```
*** Multi Protocol Packet Forwarder for Lora Gateway ***
Version: 3.0.0
*** Lora concentrator HAL library version info ***
Version: 5.0.1; Options: ftdi;
***
INFO: Little endian host
INFO: found global configuration file /var/config/lora/global_conf.json, parsing it
INFO: /var/config/lora/global_conf.json does contain a JSON object named SX1301_conf, parsi
ng SX1301 parameters
INFO: lorawan_public 1, clksrc 0
lgw_board_setconf:437: Note: board configuration; lorawan_public:1, clksrc:0
INFO: no configuration for LBT
INFO: antenna_gain 0 dBi
INFO: Configuring TX LUT with 16 indexes
INFO: radio 0 enabled (type SX1257), center frequency 867500000, RSSI offset -166.000000, t
x enabled 1
lgw_rxrf_setconf:486: WARNING: NOT A VALID TX NOTCH FILTER FREQUENCY [126000..250000]Hz
lgw_rxrf_setconf:498: Note: rf_chain 0 configuration; en:1 freq:867500000 rssi_offset:-166.
000000 radio_type:2 tx_enable:1 tx_notch_freq:0
INFO: radio 1 enabled (type SX1257), center frequency 868500000, RSSI offset -166.000000, t
x enabled 0
lgw_rxrf_setconf:498: Note: rf_chain 1 configuration; en:1 freq:868500000 rssi_offset:-166.
000000 radio_type:2 tx_enable:0 tx_notch_freq:0
INFO: Lora multi-SF channel 0>  radio 1, IF -400000 Hz, 125 kHz bw, SF 7 to 12
lgw_rxif_setconf:617: Note: LoRa 'multi' if_chain 0 configuration; en:1 freq:-400000 SF_mas
k:0x7e
INFO: Lora multi-SF channel 1>  radio 1, IF -200000 Hz, 125 kHz bw, SF 7 to 12
lgw_rxif_setconf:617: Note: LoRa 'multi' if_chain 1 configuration; en:1 freq:-200000 SF_mas
k:0x7e
INFO: Lora multi-SF channel 2>  radio 1, IF 0 Hz, 125 kHz bw, SF 7 to 12
lgw_rxif_setconf:617: Note: LoRa 'multi' if_chain 2 configuration; en:1 freq:0 SF_mask:0x7e
INFO: Lora multi-SF channel 3>  radio 0, IF -400000 Hz, 125 kHz bw, SF 7 to 12
lgw_rxif_setconf:617: Note: LoRa 'multi' if_chain 3 configuration; en:1 freq:-400000 SF_mas
k:0x7e
INFO: Lora multi-SF channel 4>  radio 0, IF -200000 Hz, 125 kHz bw, SF 7 to 12
lgw_rxif_setconf:617: Note: LoRa 'multi' if_chain 4 configuration; en:1 freq:-200000 SF_mas
k:0x7e
INFO: Lora multi-SF channel 5>  radio 0, IF 0 Hz, 125 kHz bw, SF 7 to 12
lgw_rxif_setconf:617: Note: LoRa 'multi' if_chain 5 configuration; en:1 freq:0 SF_mask:0x7e
INFO: Lora multi-SF channel 6>  radio 0, IF 200000 Hz, 125 kHz bw, SF 7 to 12
lgw_rxif_setconf:617: Note: LoRa 'multi' if_chain 6 configuration; en:1 freq:200000 SF_mask
:0x7e
INFO: Lora multi-SF channel 7>  radio 0, IF 400000 Hz, 125 kHz bw, SF 7 to 12
lgw_rxif_setconf:617: Note: LoRa 'multi' if_chain 7 configuration; en:1 freq:400000 SF_mask
:0x7e
INFO: Lora std channel> radio 1, IF -200000 Hz, 250000 Hz bw, SF 7
lgw_rxif_setconf:591: Note: LoRa 'std' if_chain 8 configuration; en:1 freq:-200000 bw:2 dr:
2
INFO: FSK channel> radio 1, IF 300000 Hz, 125000 Hz bw, 50000 bps datarate
lgw_rxif_setconf:647: Note: FSK if_chain 9 configuration; en:1 freq:300000 bw:3 dr:50000 (5
0000 real dr) sync:0xC194C1
INFO: /var/config/lora/global_conf.json does contain a JSON object named gateway_conf, pars
ing gateway parameters
INFO: Found 1 servers in array.
INFO: Server 0 configured to "router.eu.thethings.network"
INFO: downstream keep-alive interval is configured to 10 seconds
INFO: statistics display interval is configured to 30 seconds
INFO: upstream PUSH_DATA time-out is configured to 100 ms
INFO: packets received with a valid CRC will be forwarded
INFO: packets received with a CRC error will NOT be forwarded
INFO: packets received with no CRC will NOT be forwarded
INFO: GPS is disabled
INFO: Upstream data is enabled
INFO: Downstream data is enabled
INFO: Ghoststream data is disabled
INFO: Radiostream data is enabled
INFO: Statusstream data is enabled
INFO: Beacon is disabled
```

```
INFO: Monitor is disabled
INFO: Packet logger is disabled
INFO: Flush output after statistic is disabled
INFO: Flush after each line of output is disabled
INFO: Platform configured to "MultiTech"
INFO: found local configuration file /var/config/lora/local_conf.json, parsing it
INFO: redefined parameters will overwrite global parameters
INFO: /var/config/lora/local_conf.json does not contain a JSON object named SX1301_conf
INFO: /var/config/lora/local_conf.json does contain a JSON object named gateway_conf, parsi
ng gateway parameters
INFO: gateway MAC address is configured to 008000000000C4F5
INFO: Found 1 servers in array.
INFO: Server 0 configured to "bridge.eu.thethings.network"
INFO: packets received with a valid CRC will be forwarded
INFO: packets received with a CRC error will NOT be forwarded
INFO: packets received with no CRC will NOT be forwarded
INFO: GPS is disabled
INFO: Upstream data is enabled
INFO: Downstream data is enabled
INFO: Ghoststream data is disabled
INFO: Radiostream data is enabled
INFO: Statusstream data is enabled
INFO: Beacon is disabled
INFO: Monitor is disabled
INFO: Packet logger is disabled
INFO: Flush output after statistic is disabled
INFO: Flush after each line of output is enabled
INFO: Contact email configured to "matthias.krebs@fhnw.ch"
INFO: Description configured to "FHNW Campus Windisch 5/6-1"
INFO: [Transports] Initializing protocol for 1 servers
INFO: [TTN] server "bridge.eu.thethings.network" connected
INFO: [main] Starting the concentrator
lgw_connect:532: INFO: no FPGA detected or version not supported (v103)
Note: success connecting the concentrator
lgw_setup_sx125x:407: Note: SX125x #0 version register returned 0x21
lgw_setup_sx125x:412: Note: SX125x #0 clock output enabled
lgw_setup_sx125x:469: Note: SX125x #0 PLL start (attempt 1)
lgw_setup_sx125x:407: Note: SX125x #1 version register returned 0x21
lgw_setup_sx125x:415: Note: SX125x #1 clock output disabled
lgw_setup_sx125x:469: Note: SX125x #1 PLL start (attempt 1)
lgw_start:833: Note: calibration started (time: 2300 ms)
lgw_start:854: Note: calibration finished (status = 191)
Info: Initialising AGC firmware...
Info: putting back original RADIO_SELECT value
INFO: [main] concentrator started, radio packets can now be received.

INFO: Disabling GPS mode for concentrator's counter...
INFO: JIT thread activated.
INFO: [up] Thread activated for all servers.
INFO: host/sx1301 time offset=(1495102396s:509893Âµs) - drift=-1489031483Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:13:49 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
```

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# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:509120Âµs) - drift=-773Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:14:19 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 10 0 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 10:14:49 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:508325Âµs) - drift=-795Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 10:15:19 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 35 0 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 12 bytes
INFO: Enabling TX notch filter
58.f9.99.7.9b.88.65.9.0.97.c.10.0.8.0.0.60.81.24.1.26.20.4.0.71.74.36.48.end
lgw_receive:1165: FIFO content: 2 7f 0 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 5a 0 7 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 12 bytes
lgw_receive:1161: WARNING: 42 = INVALID NUMBER OF PACKETS TO FETCH, ABORTING
INFO: Enabling TX notch filter
59.6.66.8.5b.78.64.9.0.97.c.10.0.8.0.0.60.93.26.1.26.20.5.0.e4.ec.4d.4f.end
lgw_receive:1165: FIFO content: 1 a4 0 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 12 bytes
INFO: Enabling TX notch filter
58.ec.cc.8.a7.be.3d.9.0.97.c.10.0.8.0.0.60.93.26.1.26.20.6.0.ca.65.79.c.end
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)

##### 2017-05-18 10:15:49 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 4
# CRC_OK: 75.00%, CRC_FAIL: 25.00%, NO_CRC: 0.00%
# RF packets forwarded: 3 (63 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 3 (0 bytes)
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:3, rej:0)
# TX rejected (collision beacon): 0.00% (req:3, rej:0)
```

TX rejected (too late): 0.00% (req:3, rej:0)
TX rejected (too early): 0.00% (req:3, rej:0)
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 75.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 c9 0 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:507515Âµs) − drift=−810Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017−05−18 10:16:19 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 ee 0 7 db
lgw_receive:1184: [6 17]
Note: LoRa packet

2017−05−18 10:16:49 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.

```
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:506694µs) – drift=-821µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:17:19 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d9 1 7 80
lgw_receive:1184: [5 17]
Note: LoRa packet


##### 2017-05-18 10:17:49 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 69 2 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:505871µs) – drift=-823µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:18:19 GMT #####
### [UPSTREAM] ###
```

```
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 10:18:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:505037Âµs) - drift=-834Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:19:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
```

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 10:19:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 8e 2 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:504198µs) - drift=-839µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:20:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 10:20:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
```

```
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 b3 2 7 61
lgw_receive:1184: [4 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:500505Âµs) - drift=-3693Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:21:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 24 3 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 10:21:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
```

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:502511Âµs) – drift=2006Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017–05–18 10:22:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017–05–18 10:22:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 49 3 7 4
lgw_receive:1184: [1 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:501650Âµs) – drift=-861Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017–05–18 10:23:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
```

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 5d 3 7 4d
lgw_receive:1184: [6 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 ba 3 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 10:23:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:500804Âµs) - drift=-846Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:24:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
```

```
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 df 3 7 48
lgw_receive:1184: [2 17]
Note: LoRa packet

##### 2017–05–18 10:24:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:499945µs) – drift=–859µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017–05–18 10:25:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 37 0 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 5c 0 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
```

INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 12 bytes
lgw_receive:1161: WARNING: 42 = INVALID NUMBER OF PACKETS TO FETCH, ABORTING
INFO: Enabling TX notch filter
58.c6.66.2c.51.ac.4.9.0.97.c.10.0.8.0.0.60.93.26.1.26.20.7.0.64.ef.59.e3.end
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)

2017-05-18 10:25:50 GMT
[UPSTREAM]
RF packets received by concentrator: 2
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 2 (42 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 1 (0 bytes)
TX errors: 0
TX rejected (collision packet): 0.00% (req:1, rej:0)
TX rejected (collision beacon): 0.00% (req:1, rej:0)
TX rejected (too late): 0.00% (req:1, rej:0)
TX rejected (too early): 0.00% (req:1, rej:0)
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:499092Âµs) - drift=-853Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 10:26:20 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 81 0 5 10
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes

```
INFO: Enabling TX notch filter
59.13.33.2f.56.f4.7c.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.ab.a.1.85.96.9b.26.ee.end
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)


##### 2017-05-18 10:26:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (16 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 1 (0 bytes)
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:1, rej:0)
# TX rejected (collision beacon): 0.00% (req:1, rej:0)
# TX rejected (too late): 0.00% (req:1, rej:0)
# TX rejected (too early): 0.00% (req:1, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:498222µs) - drift=-870µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:27:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 a1 0 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 10:27:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
```

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:497347Âµs) – drift=-875Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:28:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 c6 0 7 f
lgw_receive:1184: [0 17]
Note: LoRa packet

##### 2017-05-18 10:28:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
```

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 e5 0 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:496456Âµs) - drift=-891Âµs
INFO: Enabling GPS mode for concentrator's counter.



##### 2017-05-18 10:29:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 10:29:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:501461Âµs) - drift=5005Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:30:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
```

```
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 10:30:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 a 1 7 9f
lgw_receive:1184: [4 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 b9 1 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:516044Âµs) - drift=14583Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:31:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 10:31:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:515162µs) – drift=-882µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:32:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 de 1 7 5c
lgw_receive:1184: [2 17]
Note: LoRa packet

##### 2017-05-18 10:32:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
```

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 4a 2 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:514288µs) – drift=-874µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:33:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 10:33:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
```

Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 6f 2 7 72
lgw_receive:1184: [2 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:513421Âµs) – drift=-867Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 10:34:21 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 10:34:51 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f1 2 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 16 3 7 3b
lgw_receive:1184: [3 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:512535Âµs) – drift=-886Âµs

INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 10:35:21 GMT
[UPSTREAM]
RF packets received by concentrator: 2
CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 50.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 10:35:51 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:511660Âµs) – drift=-875Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 10:36:21 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 61 3 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 10:36:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 86 3 7 70
lgw_receive:1184: [7 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 6 0 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 12 bytes
INFO: Enabling TX notch filter
59.13.33.55.4a.0.fc.9.0.97.c.10.0.8.0.0.60.93.26.1.26.20.8.0.ba.9a.5a.71.end
lgw_receive:1165: FIFO content: 1 2b 0 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 12 bytes
INFO: Enabling TX notch filter
58.e0.0.55.c2.74.1d.9.0.97.c.10.0.8.0.0.60.81.24.1.26.20.5.0.f9.2b.f.24.end
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:510785Âµs) - drift=-875Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:37:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 3
# CRC_OK: 66.67%, CRC_FAIL: 33.33%, NO_CRC: 0.00%
# RF packets forwarded: 2 (42 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
```

PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 2 (0 bytes)
TX errors: 0
TX rejected (collision packet): 0.00% (req:2, rej:0)
TX rejected (collision beacon): 0.00% (req:2, rej:0)
TX rejected (too late): 0.00% (req:2, rej:0)
TX rejected (too early): 0.00% (req:2, rej:0)
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 66.67%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 10:37:51 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:509900Âµs) – drift=–885Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 10:38:21 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 50 0 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 10:38:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:509028µs) - drift=-872µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:39:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 10:39:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
```

```
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:508140µs) – drift=-888µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:40:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 75 0 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 9a 0 7 50
lgw_receive:1184: [6 17]
Note: LoRa packet

##### 2017-05-18 10:40:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
```

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:504640Âµs) - drift=-3500Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:41:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 10:41:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:506379Âµs) - drift=1739Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:42:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
```

```
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 fa 0 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 10:42:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 1f 1 7 43
lgw_receive:1184: [7 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:505493Âµs) - drift=-886Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:43:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
```

```
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 10:43:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 72 1 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:504607µs) - drift=-886µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:44:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 97 1 7 e
lgw_receive:1184: [0 17]
Note: LoRa packet

##### 2017-05-18 10:44:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
```

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:503714Âµs) - drift=-893Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:45:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 10:45:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
lgw_receive:1165: FIFO content: 1 b5 1 7 75
lgw_receive:1184: [3 17]
Note: LoRa packet
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
```

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 3a 2 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 5f 2 7 cb
lgw_receive:1184: [6 17]
Note: LoRa packet


INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:502829Âµs) − drift=−885Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017−05−18 10:46:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 3
# CRC_OK: 33.33%, CRC_FAIL: 66.67%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 33.33%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017−05−18 10:46:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 3a 3 7 e3
lgw_receive:1184: [2 17]
Note: LoRa packet


INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:501945Âµs) − drift=−884Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 10:47:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 10:47:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 2d 0 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:501055Âµs) - drift=-890Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:48:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
```

```
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 52 0 7 a5
lgw_receive:1184: [1 17]
Note: LoRa packet


##### 2017-05-18 10:48:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:500171Âµs) – drift=-884Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:49:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 7 1 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
```

```
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 10:49:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 2c 1 7 29
lgw_receive:1184: [0 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:499273Âµs) - drift=-898Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:50:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 10:50:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
```

```
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:498391µs) - drift=-882µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:51:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 65 1 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 10:51:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:497491µs) - drift=-900µs
```

INFO: Enabling GPS mode for concentrator's counter.

2017–05–18 10:52:23 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017–05–18 10:52:53 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:496609Âµs) – drift=-882Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017–05–18 10:53:23 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 8a 1 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 10:53:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:495714Âµs) - drift=-895Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:54:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 10:54:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
```

```
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:494831µs) - drift=-883µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:55:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 af 1 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 d4 1 7 1a
lgw_receive:1184: [5 17]
Note: LoRa packet

##### 2017-05-18 10:55:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:493922Âµs) - drift=-909Âµs
INFO: Enabling GPS mode for concentrator's counter.



##### 2017-05-18 10:56:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 10:56:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:493031Âµs) - drift=-891Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 fe 1 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
```

```
##### 2017-05-18 10:57:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 10:57:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:492146Âµs) - drift=-885Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:58:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 10:58:54 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 23 2 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:491244µs) - drift=-902µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 10:59:24 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 48 2 5 10
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
```

59.20.0.a6.26.7c.a4.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.ac.a.1.b3.f4.1e.d5.c9.end
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)

2017-05-18 10:59:54 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (16 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 1 (0 bytes)
TX errors: 0
TX rejected (collision packet): 0.00% (req:1, rej:0)
TX rejected (collision beacon): 0.00% (req:1, rej:0)
TX rejected (too late): 0.00% (req:1, rej:0)
TX rejected (too early): 0.00% (req:1, rej:0)
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:490355µs) - drift=-889µs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 11:00:24 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 68 2 7 71
lgw_receive:1184: [1 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 e9 2 7 54
lgw_receive:1184: [8 16]
Note: LoRa packet

2017-05-18 11:00:54 GMT
[UPSTREAM]
RF packets received by concentrator: 2
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%

```
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 4d 3 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:489454µs) - drift=-901µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:01:24 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:01:54 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
```

```
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:488565Âµs) - drift=-889Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:02:24 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:02:54 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 72 3 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:487662Âµs) - drift=-903Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:03:24 GMT #####
### [UPSTREAM] ###
```

```
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 11:03:54 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:486760Âµs) - drift=-902Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:04:24 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
```

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 97 3 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 11:04:54 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:485877Âµs) - drift=-883Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:05:24 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:05:54 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
```

```
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 bc 3 7 18
lgw_receive:1184: [6 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:484935Âµs) - drift=-942Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:06:24 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 e4 3 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 9 0 7 3d
lgw_receive:1184: [6 17]
Note: LoRa packet

##### 2017-05-18 11:06:54 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:484084Âµs) – drift=-851Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:07:24 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:07:54 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 56 0 7 9
lgw_receive:1184: [6 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:480492Âµs) – drift=-3592Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:08:24 GMT #####
### [UPSTREAM] ###
```

```
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 6f 0 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 94 0 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 12 bytes
INFO: Enabling TX notch filter
58.c6.66.c5.e0.ae.4.9.0.97.c.10.0.8.0.0.60.81.24.1.26.20.6.0.e7.fd.42.38.end
lgw_receive:1165: FIFO content: 1 b9 0 7 5b
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)

##### 2017-05-18 11:08:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 3
# CRC_OK: 66.67%, CRC_FAIL: 33.33%, NO_CRC: 0.00%
# RF packets forwarded: 2 (42 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 1 (0 bytes)
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:1, rej:0)
# TX rejected (collision beacon): 0.00% (req:1, rej:0)
# TX rejected (too late): 0.00% (req:1, rej:0)
# TX rejected (too early): 0.00% (req:1, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 66.67%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:482273Âµs) - drift=1781Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 11:09:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:09:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:481387Âµs) - drift=-886Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:10:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 24 1 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 11:10:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:480486Âµs) - drift=-901Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:11:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:11:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
```

```
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 49 1 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:479579Âµs) – drift=-907Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:12:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:12:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
```

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:478682µs) - drift=-897µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:13:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:13:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 6e 1 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:477771µs) - drift=-911µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:14:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
```

```
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 11:14:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:476881µs) – drift=-890µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:15:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
```

```
INFO: [status] TTN send status success

##### 2017-05-18 11:15:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 93 1 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:475975µs) - drift=-906µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:16:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:16:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
```

```
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:475074Âµs) - drift=-901Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:17:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:17:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 b8 1 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
```

```
INFO: host/sx1301 time offset=(1495102396s:474180Âµs) - drift=-894Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:18:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 11:18:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:473274Âµs) - drift=-906Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:19:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
```

```
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 dd 1 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 11:19:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 2 2 7 3c
lgw_receive:1184: [3 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:472376Âµs) - drift=-898Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:20:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

```
##### 2017-05-18 11:20:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:471470µs) – drift=-906µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:21:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 4e 2 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 73 2 7 d8
lgw_receive:1184: [2 17]
Note: LoRa packet

##### 2017-05-18 11:21:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
```

```
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:470573µs) - drift=-897µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:22:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 5b 3 7 d
lgw_receive:1184: [2 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 78 3 7 52
lgw_receive:1184: [8 16]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 da 3 7 a2
lgw_receive:1184: [6 17]
Note: LoRa packet

##### 2017-05-18 11:22:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 3
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
```

```
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:469660µs) - drift=-913µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:23:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 8c 0 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 11:23:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495102396s:468768µs) - drift=-892µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:24:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
```

```
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 11:24:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:435151Âµs) - drift=-913Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 b1 0 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 11:25:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d6 0 7 bb
lgw_receive:1184: [6 17]
Note: LoRa packet

##### 2017-05-18 11:25:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:434256µs) – drift=–895µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:26:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 a1 1 7 72
lgw_receive:1184: [5 17]
Note: LoRa packet

##### 2017-05-18 11:26:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
```

```
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 23 2 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:433352µs) – drift=-904µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 48 2 7 6c
lgw_receive:1184: [8 16]
Note: LoRa packet

##### 2017-05-18 11:27:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:27:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:432412Âµs) - drift=-940Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:28:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:28:57 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 c4 2 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:431557Âµs) - drift=-855Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 11:29:27 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 e9 2 7 89
lgw_receive:1184: [5 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 82 3 7 82
lgw_receive:1184: [1 17]
Note: LoRa packet

##### 2017-05-18 11:29:57 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 14 0 7 ea
lgw_receive:1184: [5 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:436799Âµs) – drift=5242Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:30:27 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
```

```
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 11:30:57 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 e 1 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:465884µs) - drift=29085µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:31:27 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
```

```
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 11:31:57 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 33 1 7 ff
lgw_receive:1184: [7 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:494967Âµs) – drift=29083Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:32:27 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 42 2 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 67 2 5 10
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.13.33.1c.f6.34.1c.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.ad.a.1.f.d0.90.a4.b2.end
```

INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)

2017-05-18 11:32:57 GMT
[UPSTREAM]
RF packets received by concentrator: 2
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 2 (37 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 1 (0 bytes)
TX errors: 0
TX rejected (collision packet): 0.00% (req:1, rej:0)
TX rejected (collision beacon): 0.00% (req:1, rej:0)
TX rejected (too late): 0.00% (req:1, rej:0)
TX rejected (too early): 0.00% (req:1, rej:0)
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:497182Âµs) - drift=2215Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 11:33:27 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 11:33:57 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)

```
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:496267Âµs) - drift=-915Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:34:27 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 87 2 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 11:34:57 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
```

INFO: host/sx1301 time offset=(1495106691s:495354µs) – drift=-913µs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 11:35:27 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 11:35:57 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:491739µs) – drift=-3615µs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 11:36:27 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!

```
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 ac 2 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 11:36:57 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d1 2 7 ec
lgw_receive:1184: [2 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:493554Âµs) - drift=1815Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:37:27 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

```
##### 2017-05-18 11:37:57 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:492662Âµs) – drift=-892Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:38:27 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 cd 3 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 f2 3 7 83
lgw_receive:1184: [5 17]
Note: LoRa packet

##### 2017-05-18 11:38:58 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
```

RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 50.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:491759µs) - drift=-903µs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 11:39:28 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 11:39:58 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:490849µs) - drift=-910µs
INFO: Enabling GPS mode for concentrator's counter.

```
lgw_receive:1165: FIFO content: 1 85 0 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 11:40:28 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:40:58 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:489954Âµs) - drift=-895Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:41:28 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
```

```
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:41:58 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 2 cf 0 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 aa 0 7 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:489031µs) - drift=-923µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:42:28 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

```
##### 2017-05-18 11:42:58 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f4 0 7 9b
lgw_receive:1184: [3 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:488141Âµs) – drift=-890Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 9f 1 7 38
lgw_receive:1184: [7 17]
Note: LoRa packet

##### 2017-05-18 11:43:28 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:43:58 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
```

```
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 e7 1 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 c 2 7 51
lgw_receive:1184: [8 16]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:487244Âµs) – drift=-897Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:44:28 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:44:58 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
```

```
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:486332Âµs) - drift=-912Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:45:28 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:45:58 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 6d 2 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:485431Âµs) - drift=-901Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:46:28 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
```

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 11:46:58 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:484520Âµs) - drift=-911Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:47:28 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

```
lgw_receive:1165: FIFO content: 1 92 2 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 11:47:58 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:483616µs) - drift=-904µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:48:28 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:48:59 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
```

```
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:482710Âµs) - drift=-906Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:49:29 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 b7 2 7 10
lgw_receive:1184: [1 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 d7 2 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 11:49:59 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

lgw_receive:1165: FIFO content: 1 fc 2 7 c4
lgw_receive:1184: [0 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:479994Âµs) - drift=-2716Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 11:50:29 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d0 3 7 63
lgw_receive:1184: [7 17]
Note: LoRa packet

2017-05-18 11:50:59 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:480911Âµs) - drift=917Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 11:51:29 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 43 0 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 11:51:59 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:480008Âµs) – drift=-903Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:52:29 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
```

```
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:52:59 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:479089µs) - drift=-919µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 68 0 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 11:53:29 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:53:59 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
```

```
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:478203Âµs) - drift=-886Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:54:29 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:54:59 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:477292Âµs) - drift=-911Âµs
```

INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 8d 0 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 11:55:29 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 11:55:59 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:476389Âµs) - drift=-903Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 b2 0 7 8e
lgw_receive:1184: [0 17]
Note: LoRa packet

2017-05-18 11:56:29 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%

```
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 11:56:59 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 50 1 7 68
lgw_receive:1184: [0 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 c8 1 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 ed 1 7 1e
lgw_receive:1184: [8 16]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:475493Âµs) - drift=-896Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:57:29 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 3
# CRC_OK: 33.33%, CRC_FAIL: 66.67%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 33.33%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:57:59 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 1b 2 7 c8
lgw_receive:1184: [8 16]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:474579Âµs) – drift=–914Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:58:29 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 11:59:00 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
```

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f3 2 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 18 3 7 68
lgw_receive:1184: [8 16]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:473681µs) - drift=-898µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 11:59:30 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 90 3 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 12 bytes
INFO: Enabling TX notch filter
59.13.33.7c.ce.bc.b4.9.0.97.c.10.0.8.0.0.60.81.24.1.26.20.7.0.28.26.0.d3.end
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)

##### 2017-05-18 12:00:00 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
```

```
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 1 (0 bytes)
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:1, rej:0)
# TX rejected (collision beacon): 0.00% (req:1, rej:0)
# TX rejected (too late): 0.00% (req:1, rej:0)
# TX rejected (too early): 0.00% (req:1, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 b5 3 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 12 bytes
INFO: Enabling TX notch filter
59.6.66.7e.a0.66.4.9.0.97.c.10.0.8.0.0.60.93.26.1.26.20.9.0.86.8b.3a.93.end
lgw_receive:1165: FIFO content: 1 da 3 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 12 bytes

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:472781µs) - drift=-900µs
INFO: Enabling GPS mode for concentrator's counter.

INFO: Enabling TX notch filter
58.e0.0.7e.ec.ad.4d.9.0.97.c.10.0.8.0.0.60.93.26.1.26.20.a.0.7.b3.46.bf.end
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)

##### 2017-05-18 12:00:30 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 2 (42 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 2 (0 bytes)
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:2, rej:0)
# TX rejected (collision beacon): 0.00% (req:2, rej:0)
# TX rejected (too late): 0.00% (req:2, rej:0)
# TX rejected (too early): 0.00% (req:2, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
```

```
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 ff 3 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 12:01:00 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:471876µs) - drift=-905µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:01:30 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:02:00 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
```

```
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:469422Âµs) – drift=-2454Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:02:30 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 24 0 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 12:03:00 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

```
INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:470079Âµs) - drift=657Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:03:30 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:04:00 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:469175Âµs) - drift=-904Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:04:30 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
```

```
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 49 0 7 6a
lgw_receive:1184: [2 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 c3 0 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 12:05:00 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 e8 0 7 76
lgw_receive:1184: [7 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:468264Âµs) – drift=-911Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:05:30 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
```

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 12:06:00 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 6e 1 5 10
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.13.33.93.c6.44.24.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.ae.a.1.a1.2e.79.79.ce.end
lgw_receive:1165: FIFO content: 1 8e 1 5 10
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.20.0.94.7.ab.d4.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.af.a.1.98.b6.ff.f3.48.end
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:467375Âµs) - drift=-889Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:06:30 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 2 (32 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 2 (0 bytes)
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:2, rej:0)
# TX rejected (collision beacon): 0.00% (req:2, rej:0)
# TX rejected (too late): 0.00% (req:2, rej:0)
# TX rejected (too early): 0.00% (req:2, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 ae 1 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 12:07:00 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d3 1 7 45
lgw_receive:1184: [6 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:466365µs) – drift=-1010µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 28 2 7 49
lgw_receive:1184: [7 17]
Note: LoRa packet

##### 2017-05-18 12:07:30 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
```

INFO: [status] TTN send status success

2017–05–18 12:08:00 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:465569Âµs) – drift=–796Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 81 2 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017–05–18 12:08:30 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017–05–18 12:09:01 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)

```
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 a6 2 7 3f
lgw_receive:1184: [7 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:464659Âµs) – drift=-910Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:09:31 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:10:01 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f5 2 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
```

INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:463758Âµs) – drift=-901Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 12:10:31 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 12:11:01 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 1a 3 7 28
lgw_receive:1184: [2 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 52 3 7 ca
lgw_receive:1184: [2 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:462853Âµs) – drift=-905Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 12:11:31 GMT
[UPSTREAM]
RF packets received by concentrator: 2
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%

```
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:12:01 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 2c 0 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:461914µs) - drift=-939µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:12:31 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
```

[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 12:13:01 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:461049Âµs) – drift=-865Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 12:13:31 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 51 0 7 ac
lgw_receive:1184: [8 16]
Note: LoRa packet

2017-05-18 12:14:01 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]

```
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d 1 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:460164µs) – drift=–885µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:14:31 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 32 1 7 7d
lgw_receive:1184: [6 17]
Note: LoRa packet

##### 2017-05-18 12:15:01 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
```

```
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:459262Âµs) - drift=-902Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:15:31 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 bf 1 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 12:16:01 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:458352Âµs) - drift=-910Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:16:31 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
```

```
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 12:17:01 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:457456Âµs) - drift=-896Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:17:31 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
```

END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 e4 1 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 12:18:01 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:456557Âµs) – drift=-899Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 12:18:32 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 9 2 5 17
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 33 bytes
lgw_receive:1161: WARNING: 42 = INVALID NUMBER OF PACKETS TO FETCH, ABORTING
INFO: Enabling TX notch filter
59.13.33.c0.bc.1e.34.9.0.97.21.10.0.8.0.0.20.ce.be.b9.7f.5a.f.33.15.50.f0.7.26.a7.c3.d4.63.
ae.4.7.b.bd.e4.ab.a5.d9.f4.d3.62.58.c7.6f.93.end
INFO: tx_start_delay=1495 (1495.500000) – (1497, bw_delay=1.500000, notch_delay=0.000000)

```
##### 2017-05-18 12:19:02 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (23 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 1 (0 bytes)
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:1, rej:0)
# TX rejected (collision beacon): 0.00% (req:1, rej:0)
# TX rejected (too late): 0.00% (req:1, rej:0)
# TX rejected (too early): 0.00% (req:1, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:455654µs) – drift=-903µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:19:32 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 30 2 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 12:20:02 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
```

```
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:454749Âµs) – drift=-905Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:20:32 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:21:02 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 55 2 7 54
lgw_receive:1184: [1 17]
Note: LoRa packet
```

```
INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:453855Âµs) - drift=-894Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 b9 2 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 12:21:32 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 de 2 7 e8
lgw_receive:1184: [2 17]
Note: LoRa packet

##### 2017-05-18 12:22:02 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:452954Âµs) - drift=-901Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:22:32 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
```

```
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 12:23:02 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d6 3 7 2d
lgw_receive:1184: [7 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:452059µs) – drift=-895µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 13 0 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 12:23:32 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 38 0 7 1e
lgw_receive:1184: [8 16]
Note: LoRa packet

##### 2017-05-18 12:24:02 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:451158Âµs) - drift=-901Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:24:32 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 66 0 7 16
lgw_receive:1184: [0 17]
Note: LoRa packet

##### 2017-05-18 12:25:02 GMT #####
### [UPSTREAM] ###
```

```
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 8c 0 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:450257Âµs) - drift=-901Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:25:32 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:26:02 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
```

```
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:449348µs) - drift=-909µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:26:32 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:27:02 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 b1 0 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:448451µs) - drift=-897µs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 12:27:32 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:28:02 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:447558Âµs) – drift=-893Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:28:33 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
```

```
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d6 0 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 12:29:03 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:446645Âµs) - drift=-913Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:29:33 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:30:03 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
```

```
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:451710Âµs) – drift=5065Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:30:33 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 fb 0 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 12:31:03 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
```

```
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:480796Âµs) - drift=29086Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:31:33 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 20 1 7 68
lgw_receive:1184: [6 17]
Note: LoRa packet


##### 2017-05-18 12:32:03 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:490507Âµs) - drift=9711Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:32:33 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
```

```
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 98 1 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 12:33:03 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:489615Âµs) - drift=-892Âµs
INFO: Enabling GPS mode for concentrator's counter.



##### 2017-05-18 12:33:33 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
```

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:34:03 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:488711Âµs) – drift=-904Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:34:33 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 bd 1 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 e2 1 7 10
lgw_receive:1184: [3 17]
Note: LoRa packet

##### 2017-05-18 12:35:03 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
```

PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 50.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:487804Âµs) − drift=−907Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 12:35:33 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 12:36:03 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 2 2 7 75

```
lgw_receive:1184: [2 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495106691s:486911Âµs) - drift=-893Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 87 2 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 12:36:33 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 ac 2 7 31
lgw_receive:1184: [7 17]
Note: LoRa packet

##### 2017-05-18 12:37:03 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 ed 2 7 97
lgw_receive:1184: [3 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:453300Âµs) - drift=-907Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 12:37:33 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:38:03 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:452401Âµs) - drift=-899Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 94 3 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 12:38:33 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
```

```
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:39:04 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:451498Âµs) – drift=-903Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 b9 3 5 10
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.20.0.a.94.ef.4.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.b0.a.1.2f.6f.80.7b.cb.end
INFO: tx_start_delay=1495 (1495.500000) – (1497, bw_delay=1.500000, notch_delay=0.000000)

##### 2017-05-18 12:39:34 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (16 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 1 (0 bytes)
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:1, rej:0)
# TX rejected (collision beacon): 0.00% (req:1, rej:0)
# TX rejected (too late): 0.00% (req:1, rej:0)
# TX rejected (too early): 0.00% (req:1, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:40:04 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d9 3 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:450602µs) - drift=-896µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:40:34 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:41:04 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
```

```
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:449685Âµs) - drift=-917Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:41:34 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:42:04 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 fe 3 5 15
```

```
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:448791Âµs) – drift=-894Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:42:34 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:43:04 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:447886Âµs) – drift=-905Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:43:34 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
```

```
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 23 0 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 12:44:04 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 48 0 7 8
lgw_receive:1184: [4 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:446990Âµs) – drift=-896Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:44:34 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
```

```
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:45:04 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 60 0 7 c1
lgw_receive:1184: [6 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:446091Âµs) - drift=-899Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:45:34 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 31 1 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 56 1 7 7
lgw_receive:1184: [3 17]
Note: LoRa packet

##### 2017-05-18 12:46:04 GMT #####
### [UPSTREAM] ###
```

```
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:445158µs) – drift=-933µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:46:34 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 6d 1 7 b5
lgw_receive:1184: [0 17]
Note: LoRa packet

##### 2017-05-18 12:47:04 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:444297Âµs) - drift=-861Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:47:34 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 32 2 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 12:48:04 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 57 2 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 12 bytes
INFO: Enabling TX notch filter
```

58.ec.cc.2a.55.af.65.9.0.97.c.10.0.8.0.0.60.81.24.1.26.20.8.0.e7.4e.bd.5b.end
INFO: tx_start_delay=1495 (1495.500000) – (1497, bw_delay=1.500000, notch_delay=0.000000)

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:440696Âµs) – drift=-3601Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 12:48:34 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 1 (0 bytes)
TX errors: 0
TX rejected (collision packet): 0.00% (req:1, rej:0)
TX rejected (collision beacon): 0.00% (req:1, rej:0)
TX rejected (too late): 0.00% (req:1, rej:0)
TX rejected (too early): 0.00% (req:1, rej:0)
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 7c 2 7 d0
lgw_receive:1184: [1 17]
Note: LoRa packet

2017-05-18 12:49:05 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:439773Âµs) – drift=-923Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 5c 3 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet

```
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 12:49:35 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:50:05 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:441590Âµs) - drift=1817Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:50:35 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
```

```
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:51:05 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:440690Âµs) - drift=-900Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 81 3 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 12:51:35 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:52:05 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
```

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 a6 3 7 63
lgw_receive:1184: [4 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:439780µs) - drift=-910µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:52:35 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:53:05 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
```

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 19 0 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:438893Âµs) − drift=-887Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:53:35 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:54:05 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:437975Âµs) − drift=-918Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:54:35 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
```

```
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:55:05 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 3e 0 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:437095µs) - drift=-880µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:55:35 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
```

```
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:56:05 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:433370Âµs) - drift=-3725Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:56:35 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 63 0 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 12:57:05 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
```

```
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:435292Âµs) – drift=1922Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 12:57:35 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 12:58:05 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
```

INFO: host/sx1301 time offset=(1495110986s:434361µs) — drift=-931µs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 12:58:35 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 88 0 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 12:59:06 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:433489µs) — drift=-872µs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 12:59:36 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)

```
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 13:00:06 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:432591Âµs) - drift=-898Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:00:36 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 ad 0 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
```

```
##### 2017-05-18 13:01:06 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:428976Âµs) – drift=-3615Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:01:36 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 13:02:06 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:430789Âµs) - drift=1813Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:02:36 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d2 0 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 13:03:06 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f7 0 7 5d
lgw_receive:1184: [1 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:429898Âµs) - drift=-891Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 13:03:36 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 13:04:06 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:428945Âµs) - drift=-953Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 64 1 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 13:04:36 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
```

```
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 13:05:06 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:428094Âµs) – drift=-851Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:05:36 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 13:06:06 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
```

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:427190Âµs) - drift=-904Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 89 1 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 ae 1 7 4c
lgw_receive:1184: [4 17]
Note: LoRa packet

##### 2017-05-18 13:06:36 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 13:07:06 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
```

INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:424570Âµs) - drift=-2620Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 a 2 7 54
lgw_receive:1184: [6 17]
Note: LoRa packet

2017-05-18 13:07:36 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 13:08:06 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 6e 2 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:425403Âµs) - drift=833Âµs

INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 13:08:36 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 13:09:07 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:424496Âµs) - drift=-907Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 13:09:37 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 13:10:07 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 93 2 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:420898Âµs) - drift=-3598Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:10:37 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 13:11:07 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
```

```
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:422704µs) – drift=1806µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:11:37 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 b8 2 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 13:12:07 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
```

```
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:419239Âµs) - drift=-3465Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 dd 2 5 10
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.13.33.81.64.dc.24.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.b1.a.1.fb.3.e.f6.73.end
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)


##### 2017-05-18 13:12:37 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (16 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 1 (0 bytes)
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:1, rej:0)
# TX rejected (collision beacon): 0.00% (req:1, rej:0)
# TX rejected (too late): 0.00% (req:1, rej:0)
# TX rejected (too early): 0.00% (req:1, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 fd 2 5 10
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.20.0.81.a6.44.c4.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.b2.a.1.9f.c.72.ac.a.end
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)


##### 2017-05-18 13:13:07 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (16 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 1 (0 bytes)
# TX errors: 0
```

```
# TX rejected (collision packet): 0.00% (req:1, rej:0)
# TX rejected (collision beacon): 0.00% (req:1, rej:0)
# TX rejected (too late): 0.00% (req:1, rej:0)
# TX rejected (too early): 0.00% (req:1, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:420910µs) - drift=1671µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:13:37 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 1d 3 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 13:14:07 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
```

INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:420010Âµs) - drift=-900Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 13:14:37 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 13:15:07 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:419103Âµs) - drift=-907Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 13:15:37 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)

```
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 42 3 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 13:16:07 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:418197µs) - drift=-906µs
INFO: Enabling GPS mode for concentrator's counter.



##### 2017-05-18 13:16:37 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

```
##### 2017-05-18 13:17:07 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:417309Âµs) – drift=–888Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:17:37 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 67 3 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 8c 3 7 39
lgw_receive:1184: [7 17]
Note: LoRa packet

##### 2017-05-18 13:18:07 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
```

```
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:416404µs) - drift=-905µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:18:37 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 13:19:08 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:415504µs) - drift=-900µs
INFO: Enabling GPS mode for concentrator's counter.
```

```
lgw_receive:1165: FIFO content: 1 d5 3 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 13:19:38 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 13:20:08 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:414607µs) – drift=-897µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 fa 3 7 db
lgw_receive:1184: [4 17]
Note: LoRa packet

##### 2017-05-18 13:20:38 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
```

```
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 13:21:08 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 e5 0 7 b2
lgw_receive:1184: [0 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:413707µs) – drift=-900µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 a7 1 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 13:21:38 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
```

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 13:22:08 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:412803µs) – drift=-904µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:22:38 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 cc 1 7 2a
lgw_receive:1184: [2 17]
Note: LoRa packet


##### 2017-05-18 13:23:08 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
```

```
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 6 2 7 24
lgw_receive:1184: [8 16]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 3a 2 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:411909µs) – drift=-894µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:23:38 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 13:24:08 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
```

END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:411012Âµs) – drift=-897Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 13:24:38 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 5f 2 7 33
lgw_receive:1184: [7 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 a2 2 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 13:25:08 GMT
[UPSTREAM]
RF packets received by concentrator: 2
CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 50.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:410113Âµs) – drift=-899Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 13:25:38 GMT
[UPSTREAM]

```
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 c7 2 7 8c
lgw_receive:1184: [1 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 63 3 7 43
lgw_receive:1184: [5 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 b6 3 7 52
lgw_receive:1184: [0 17]
Note: LoRa packet

##### 2017-05-18 13:26:08 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 3
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:409202µs) - drift=-911µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 18 0 7 ad
lgw_receive:1184: [4 17]
Note: LoRa packet

##### 2017-05-18 13:26:38 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
```

```
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d5 0 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 13:27:08 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:408308Âµs) - drift=-894Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:27:38 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
```

```
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 13:28:08 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:407404Âµs) - drift=-904Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 fa 0 7 8d
lgw_receive:1184: [2 17]
Note: LoRa packet

##### 2017-05-18 13:28:38 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 97 1 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 13:29:09 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
```

[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:406512Âµs) - drift=-892Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 13:29:39 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 13:30:09 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...

```
INFO: host/sx1301 time offset=(1495110986s:411892Âµs) - drift=5380Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:30:39 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 bc 1 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 13:31:09 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:438270Âµs) - drift=26378Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:31:39 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
```

```
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 13:32:09 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:460259Âµs) - drift=21989Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 e1 1 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 13:32:39 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

2017-05-18 13:33:09 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:461171Âµs) – drift=912Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 13:33:39 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 13:34:09 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:460277Âµs) – drift=-894Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 6 2 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 13:34:39 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 13:35:09 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 2b 2 7 e9
lgw_receive:1184: [8 16]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:459383Âµs) – drift=-894Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 13:35:39 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 13:36:09 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 24 3 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:455638Âµs) - drift=-3745Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:36:39 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
```

```
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 49 3 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 12 bytes
lgw_receive:1161: WARNING: 42 = INVALID NUMBER OF PACKETS TO FETCH, ABORTING
INFO: Enabling TX notch filter
58.d3.33.d9.20.b9.7c.9.0.97.c.10.0.8.0.0.60.81.24.1.26.20.9.0.15.70.a2.64.end
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)


##### 2017-05-18 13:37:09 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 1 (0 bytes)
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:1, rej:0)
# TX rejected (collision beacon): 0.00% (req:1, rej:0)
# TX rejected (too late): 0.00% (req:1, rej:0)
# TX rejected (too early): 0.00% (req:1, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:457588µs) - drift=1950µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:37:39 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 6e 3 7 9a
lgw_receive:1184: [4 17]
Note: LoRa packet

##### 2017-05-18 13:38:09 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 18 0 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:456675µs) - drift=-913µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:38:39 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 13:39:10 GMT #####
```

```
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:455787µs) – drift=-888µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:39:40 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 3d 0 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 13:40:10 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:454881Âµs) - drift=-906Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:40:40 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 62 0 7 d8
lgw_receive:1184: [7 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 4a 1 7 76
lgw_receive:1184: [7 17]
Note: LoRa packet

##### 2017-05-18 13:41:10 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:451285Âµs) - drift=-3596Âµs
```

```
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:41:40 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d0 1 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 13:42:10 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:450208Âµs) - drift=-1077Âµs
INFO: Enabling GPS mode for concentrator's counter.



##### 2017-05-18 13:42:40 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
```

```
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 13:43:10 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:452171Âµs) - drift=1963Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:43:40 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f5 1 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
```

```
##### 2017-05-18 13:44:10 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 1a 2 7 cb
lgw_receive:1184: [4 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:451282µs) - drift=-889µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:44:40 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 13:45:10 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:450379Âµs) – drift=-903Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:45:40 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f5 2 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 1a 3 5 10
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.20.0.f8.32.9c.dc.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.b3.a.1.0.9.c7.21.52.end
INFO: tx_start_delay=1495 (1495.500000) – (1497, bw_delay=1.500000, notch_delay=0.000000)

##### 2017-05-18 13:46:10 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 2 (37 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 1 (0 bytes)
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:1, rej:0)
# TX rejected (collision beacon): 0.00% (req:1, rej:0)
# TX rejected (too late): 0.00% (req:1, rej:0)
# TX rejected (too early): 0.00% (req:1, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:449475Âµs) – drift=-904Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:46:40 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 13:47:10 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495110986s:448571Âµs) – drift=-904Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 3a 3 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
```

2017-05-18 13:47:40 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 13:48:10 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:414976Âµs) – drift=-891Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 13:48:40 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 13:49:11 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:414062µs) - drift=-914µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 5f 3 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 13:49:41 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 13:50:11 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
```

PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:413161Âµs) - drift=-901Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 13:50:41 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 84 3 7 4
lgw_receive:1184: [0 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 98 3 7 22
lgw_receive:1184: [0 17]
Note: LoRa packet

2017-05-18 13:51:11 GMT
[UPSTREAM]
RF packets received by concentrator: 2
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!

[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 ca 3 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:409565Âµs) – drift=-3596Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 13:51:41 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 13:52:11 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:411364Âµs) – drift=1799Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 13:52:41 GMT
[UPSTREAM]

```
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 ef 3 7 82
lgw_receive:1184: [2 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 81 0 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 13:53:11 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:410463µs) - drift=-901µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:53:41 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
```

```
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 13:54:11 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:409560Âµs) – drift=-903Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:54:41 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 a6 0 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 13:55:11 GMT #####
### [UPSTREAM] ###
```

```
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:408656µs) - drift=-904µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 cb 0 7 c7
lgw_receive:1184: [1 17]
Note: LoRa packet

##### 2017-05-18 13:55:41 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 a2 1 7 b8
lgw_receive:1184: [2 17]
Note: LoRa packet

##### 2017-05-18 13:56:11 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
```

```
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:407763Âµs) - drift=-893Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:56:41 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 6a 2 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 13:57:11 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:406819Âµs) - drift=-944Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 13:57:41 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 13:58:11 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:405950Âµs) - drift=-869Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:58:41 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
```

```
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 8f 2 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 13:59:12 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:405060µs) – drift=-890µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 13:59:42 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:00:12 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
```

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:404156Âµs) - drift=-904Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 b4 2 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 d9 2 7 1e
lgw_receive:1184: [7 17]
Note: LoRa packet

##### 2017-05-18 14:00:42 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:01:12 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
```

```
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:403255Âµs) - drift=-901Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:01:42 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:02:12 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:402352Âµs) - drift=-903Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 7 3 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 2c 3 7 b5
```

```
lgw_receive:1184: [5 17]
Note: LoRa packet

##### 2017-05-18 14:02:42 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:03:12 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:401458Âµs) - drift=-894Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:03:42 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:04:12 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:400543Âµs) - drift=-915Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 f1 3 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 14:04:42 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:05:12 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
```

```
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:399657µs) – drift=-886µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:05:42 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:06:12 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
```

INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 16 0 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:398755Âµs) − drift=−902Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017−05−18 14:06:42 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017−05−18 14:07:12 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 3b 0 7 59
lgw_receive:1184: [8 16]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:397848Âµs) − drift=−907Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017−05−18 14:07:42 GMT
[UPSTREAM]
RF packets received by concentrator: 1

```
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 a4 0 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 c9 0 7 d9
lgw_receive:1184: [4 17]
Note: LoRa packet

##### 2017–05–18 14:08:12 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 b2 1 7 4f
lgw_receive:1184: [2 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:396963µs) – drift=–885µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017–05–18 14:08:42 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
```

RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 14:09:13 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 11 2 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 12 bytes
INFO: Enabling TX notch filter
58.c6.66.4c.18.dc.b4.9.0.97.c.10.0.8.0.0.60.81.24.1.26.20.a.0.6d.de.bc.30.end
INFO: tx_start_delay=1495 (1495.500000) – (1497, bw_delay=1.500000, notch_delay=0.000000)

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:396047Âµs) – drift=-916Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 14:09:43 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 1 (0 bytes)
TX errors: 0
TX rejected (collision packet): 0.00% (req:1, rej:0)
TX rejected (collision beacon): 0.00% (req:1, rej:0)
TX rejected (too late): 0.00% (req:1, rej:0)
TX rejected (too early): 0.00% (req:1, rej:0)
BEACON IS DISABLED!
[JIT]

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 36 2 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 14:10:13 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:395158Âµs) - drift=-889Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:10:43 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:11:13 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
```

```
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:394256µs) – drift=-902µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:11:43 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 5b 2 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 14:12:13 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
```

```
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:393348Âµs) - drift=-908Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:12:43 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:13:13 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:392464Âµs) - drift=-884Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:13:43 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
```

```
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 80 2 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 14:14:13 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:391518Âµs) - drift=-946Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:14:43 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
```

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:15:13 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:390662Âµs) - drift=-856Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 a5 2 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 14:15:43 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:16:13 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
```

```
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:387025Âµs) - drift=-3637Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:16:43 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:17:13 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:388861Âµs) - drift=1836Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
lgw_receive:1165: FIFO content: 1 ca 2 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 14:17:43 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:18:13 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:387960Âµs) - drift=-901Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:18:44 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
```

```
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 ef 2 5 10
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.20.0.6f.2.95.54.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.b4.a.1.d0.82.7c.a2.a4.end
INFO: tx_start_delay=1495 (1495.500000) – (1497, bw_delay=1.500000, notch_delay=0.000000)


##### 2017-05-18 14:19:14 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (16 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 1 (0 bytes)
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:1, rej:0)
# TX rejected (collision beacon): 0.00% (req:1, rej:0)
# TX rejected (too late): 0.00% (req:1, rej:0)
# TX rejected (too early): 0.00% (req:1, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f 3 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:387015Âµs) – drift=-945Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:19:44 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
```

```
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 34 3 7 4b
lgw_receive:1184: [2 17]
Note: LoRa packet

##### 2017-05-18 14:20:14 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:386166Âµs) - drift=-849Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:20:44 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 8f 3 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
```

INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 14:21:14 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:385266Âµs) – drift=-900Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 14:21:44 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 14:22:14 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.

```
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:384360Âµs) – drift=-906Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:22:44 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 b4 3 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 14:23:14 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:383470Âµs) – drift=-890Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 14:23:44 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:24:14 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:382567Âµs) - drift=-903Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:24:44 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
```

```
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d9 3 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 14:25:14 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:381673µs) - drift=-894µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:25:44 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:26:14 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
```

```
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:380768Âµs) – drift=-905Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:26:44 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 fe 3 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 14:27:14 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
```

```
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:379870Âµs) - drift=-898Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:27:44 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:28:14 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:378978Âµs) - drift=-892Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 23 0 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 14:28:45 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
```

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 14:29:15 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:378080Âµs) - drift=-898Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:29:45 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

```
lgw_receive:1165: FIFO content: 1 48 0 7 4f
lgw_receive:1184: [2 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 a7 0 7 d2
lgw_receive:1184: [8 16]
Note: LoRa packet

##### 2017-05-18 14:30:15 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:383768Âµs) - drift=5688Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 89 1 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 14:30:45 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:31:15 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
```

```
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:412869Âµs) – drift=29101Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:31:45 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:32:15 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

```
INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:427399µs) - drift=14530µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 ae 1 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 d3 1 7 e
lgw_receive:1184: [2 17]
Note: LoRa packet

##### 2017-05-18 14:32:45 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f1 1 7 37
lgw_receive:1184: [2 17]
Note: LoRa packet

##### 2017-05-18 14:33:15 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:426506µs) - drift=-893µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:33:45 GMT #####
### [UPSTREAM] ###
```

```
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 38 2 7 6c
lgw_receive:1184: [7 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 b4 2 7 ea
lgw_receive:1184: [4 17]
Note: LoRa packet


##### 2017-05-18 14:34:15 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 ae 3 7 9f
lgw_receive:1184: [1 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 5d 0 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:425615Âµs) – drift=-891Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:34:45 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
```

```
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:35:15 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:424712Âµs) - drift=-903Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:35:45 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 82 0 5 15
```

```
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 14:36:15 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:423802Âµs) - drift=-910Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:36:45 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 a7 0 5 13
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 12 bytes
INFO: Enabling TX notch filter
59.20.0.ae.99.1.fc.9.0.97.c.10.0.8.0.0.60.41.2c.1.26.20.0.0.11.40.c7.58.end
lgw_receive:1165: FIFO content: 1 ca 0 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
```

INFO: [TTN] downlink 12 bytes
INFO: Enabling TX notch filter
59.13.33.af.9f.57.9c.9.0.97.c.10.0.8.0.0.60.81.24.1.26.20.b.0.41.9e.c5.f4.end
INFO: tx_start_delay=1495 (1495.500000) – (1497, bw_delay=1.500000, notch_delay=0.000000)

2017-05-18 14:37:15 GMT
[UPSTREAM]
RF packets received by concentrator: 2
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 2 (40 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 2 (0 bytes)
TX errors: 0
TX rejected (collision packet): 0.00% (req:2, rej:0)
TX rejected (collision beacon): 0.00% (req:2, rej:0)
TX rejected (too late): 0.00% (req:2, rej:0)
TX rejected (too early): 0.00% (req:2, rej:0)
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:422905µs) – drift=-897µs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 14:37:45 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 ef 0 7 85
lgw_receive:1184: [7 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 84 1 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 14:38:15 GMT

```
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:422006Âµs) – drift=-899Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 a9 1 7 82
lgw_receive:1184: [0 17]
Note: LoRa packet

##### 2017-05-18 14:38:46 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:39:16 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
```

```
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:421113Âµs) – drift=-893Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:39:46 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 3b 2 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 14:40:16 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:420212Âµs) – drift=-901Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 60 2 7 a4
```

```
lgw_receive:1184: [6 17]
Note: LoRa packet

##### 2017-05-18 14:40:46 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 14 3 7 5b
lgw_receive:1184: [6 17]
Note: LoRa packet

##### 2017-05-18 14:41:16 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:416490Âµs) - drift=-3722Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 7f 3 7 11
lgw_receive:1184: [7 17]
Note: LoRa packet

##### 2017-05-18 14:41:46 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
```

```
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 a0 3 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 14:42:16 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:418409Âµs) – drift=1919Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:42:46 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
```

INFO: [status] TTN send status success

2017-05-18 14:43:16 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:417513Âµs) – drift=-896Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 c5 3 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 14:43:46 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 14:44:16 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)

```
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:416622Âµs) - drift=-891Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 ea 3 7 2
lgw_receive:1184: [6 17]
Note: LoRa packet

##### 2017-05-18 14:44:46 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:45:16 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:415716Âµs) - drift=-906Âµs
```

INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 fc 3 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 21 0 7 68
lgw_receive:1184: [1 17]
Note: LoRa packet

2017-05-18 14:45:46 GMT
[UPSTREAM]
RF packets received by concentrator: 2
CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 50.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 14:46:16 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:414820Âµs) – drift=-896Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 14:46:46 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%

```
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:47:16 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:413909µs) - drift=-911µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 99 0 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 14:47:46 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
```

```
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:48:16 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:413013Âµs) – drift=-896Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:48:47 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 be 0 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 14:49:17 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
```

```
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:412115Âµs) – drift=-898Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 e3 0 7 4e
lgw_receive:1184: [2 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 41 1 7 68
lgw_receive:1184: [3 17]
Note: LoRa packet

##### 2017-05-18 14:49:47 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 14:50:17 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
```

INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:411179Âµs) - drift=-936Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 14:50:47 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 b9 1 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 14:51:17 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:410317Âµs) - drift=-862Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 14:51:47 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)

```
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 de 1 5 10
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.13.33.e5.d2.8b.2c.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.b5.a.1.8d.2a.4e.f2.28.end
INFO: tx_start_delay=1495 (1495.500000) – (1497, bw_delay=1.500000, notch_delay=0.000000)


##### 2017-05-18 14:52:17 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (16 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 1 (0 bytes)
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:1, rej:0)
# TX rejected (collision beacon): 0.00% (req:1, rej:0)
# TX rejected (too late): 0.00% (req:1, rej:0)
# TX rejected (too early): 0.00% (req:1, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:409423µs) – drift=-894µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:52:47 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
```

```
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 fe 1 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 14:53:17 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:408521Âµs) – drift=-902Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:53:47 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 23 2 7 28
```

```
lgw_receive:1184: [8 16]
Note: LoRa packet

##### 2017-05-18 14:54:17 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 5b 2 7 4
lgw_receive:1184: [4 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:407624Âµs) – drift=-897Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:54:47 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 6f 2 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 14:55:17 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
```

```
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:406726Âµs) – drift=-898Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 14:55:47 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 94 2 7 da
lgw_receive:1184: [4 17]
Note: LoRa packet

##### 2017-05-18 14:56:17 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
```

INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:403235Âµs) - drift=-3491Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 7e 3 7 e0
lgw_receive:1184: [6 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 6e 0 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 14:56:47 GMT
[UPSTREAM]
RF packets received by concentrator: 2
CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 50.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 93 0 7 9d
lgw_receive:1184: [0 17]
Note: LoRa packet

2017-05-18 14:57:17 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:404931Âµs) - drift=1696Âµs
INFO: Enabling GPS mode for concentrator's counter.

```
##### 2017-05-18 14:57:47 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 40 1 7 91
lgw_receive:1184: [5 17]
Note: LoRa packet

##### 2017-05-18 14:58:17 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:404027µs) - drift=-904µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 e1 1 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 6 2 7 77
lgw_receive:1184: [1 17]
Note: LoRa packet

##### 2017-05-18 14:58:48 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
```

```
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 8d 2 7 aa
lgw_receive:1184: [7 17]
Note: LoRa packet

##### 2017-05-18 14:59:18 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495115281s:403133µs) - drift=-894µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 47 3 7 a5
lgw_receive:1184: [5 17]
Note: LoRa packet

##### 2017-05-18 14:59:48 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
```

```
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 fc 3 7 8b
lgw_receive:1184: [6 17]
Note: LoRa packet

##### 2017-05-18 15:00:18 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:369526µs) - drift=-903µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 97 0 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 15:00:48 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 15:01:18 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
```

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:368624Âµs) – drift=-902Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 bc 0 7 87
lgw_receive:1184: [7 17]
Note: LoRa packet

##### 2017-05-18 15:01:48 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 15:02:18 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
```

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 53 1 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:367693µs) - drift=-931µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:02:48 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 78 1 7 4d
lgw_receive:1184: [3 17]
Note: LoRa packet

##### 2017-05-18 15:03:18 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:366826µs) - drift=-867µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:03:48 GMT #####
```

```
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d5 1 7 10
lgw_receive:1184: [8 16]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 f5 1 7 e6
lgw_receive:1184: [3 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 eb 2 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 10 3 7 a
lgw_receive:1184: [2 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 2a 3 7 65
lgw_receive:1184: [7 17]
Note: LoRa packet


##### 2017-05-18 15:04:18 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 5
# CRC_OK: 20.00%, CRC_FAIL: 80.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 20.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:365937Âµs) - drift=-889Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:04:48 GMT #####
### [UPSTREAM] ###
```

```
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 15:05:18 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:365040Âµs) - drift=-897Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 9f 3 7 7f
lgw_receive:1184: [5 17]
Note: LoRa packet

##### 2017-05-18 15:05:48 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 2e 0 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 15:06:18 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:364141Âµs) – drift=-899Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:06:48 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 15:07:18 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
```

```
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:363255µs) - drift=-886µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:07:48 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 53 0 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 78 0 7 c8
lgw_receive:1184: [3 17]
Note: LoRa packet

##### 2017-05-18 15:08:18 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:362356Âµs) - drift=-899Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:08:49 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 15:09:19 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:361456Âµs) - drift=-900Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:09:49 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
```

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 50 1 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 15:10:19 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:360557Âµs) – drift=-899Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:10:49 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
```

```
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 75 1 7 b9
lgw_receive:1184: [3 17]
Note: LoRa packet

##### 2017-05-18 15:11:19 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:359622Âµs) - drift=-935Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 3e 2 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 15:11:49 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 15:12:19 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
```

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:358770Âµs) - drift=-852Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:12:49 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 15:13:19 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:357866Âµs) – drift=-904Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 63 2 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 15:13:49 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 88 2 7 e7
lgw_receive:1184: [0 17]
Note: LoRa packet

2017-05-18 15:14:19 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:356965Âµs) – drift=-901Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 15:14:49 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%

```
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 15:15:19 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:356071Âµs) - drift=-894Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 7f 3 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 15:15:49 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
```

```
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 15:16:19 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:355178Âµs) - drift=-893Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:16:49 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 a4 3 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 15:17:19 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
```

```
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:351535µs) - drift=-3643µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:17:49 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 c9 3 7 a2
lgw_receive:1184: [2 17]
Note: LoRa packet

##### 2017-05-18 15:18:19 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
```

INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:353390Âµs) - drift=1855Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 15:18:50 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 7b 0 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 15:19:20 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:352479Âµs) - drift=-911Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 15:19:50 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)

```
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 a0 0 7 12
lgw_receive:1184: [0 17]
Note: LoRa packet


##### 2017-05-18 15:20:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 c2 0 7 40
lgw_receive:1184: [6 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:348876Âµs) – drift=-3603Âµs
INFO: Enabling GPS mode for concentrator's counter.



##### 2017-05-18 15:20:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
```

```
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 12 1 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017–05–18 15:21:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:350663Âµs) – drift=1787Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017–05–18 15:21:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 37 1 7 23
lgw_receive:1184: [5 17]
Note: LoRa packet

##### 2017–05–18 15:22:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
```

```
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:349807µs) – drift=-856µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 6a 1 7 2
lgw_receive:1184: [0 17]
Note: LoRa packet

##### 2017-05-18 15:22:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 7c 1 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 15:23:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:348907µs) - drift=-900µs
INFO: Enabling GPS mode for concentrator's counter.


lgw_receive:1165: FIFO content: 1 a1 1 7 d9
lgw_receive:1184: [7 17]
Note: LoRa packet


##### 2017-05-18 15:23:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 8a 2 7 1a
lgw_receive:1184: [8 16]
Note: LoRa packet


##### 2017-05-18 15:24:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:348016µs) - drift=-891µs
```

```
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 b4 2 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 15:24:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d9 2 7 50
lgw_receive:1184: [1 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 39 3 7 2d
lgw_receive:1184: [5 17]
Note: LoRa packet

##### 2017-05-18 15:25:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:347119Âµs) - drift=-897Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 76 3 5 10
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
```

```
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.6.66.5c.a2.56.84.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.b6.a.1.95.af.e7.bf.5d.end
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)


##### 2017-05-18 15:25:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (16 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 1 (0 bytes)
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:1, rej:0)
# TX rejected (collision beacon): 0.00% (req:1, rej:0)
# TX rejected (too late): 0.00% (req:1, rej:0)
# TX rejected (too early): 0.00% (req:1, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 15:26:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:346220µs) - drift=-899µs
INFO: Enabling GPS mode for concentrator's counter.


lgw_receive:1165: FIFO content: 1 96 3 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 15:26:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
```

```
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 15:27:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:345328Âµs) - drift=-892Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:27:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
```

```
INFO: [status] TTN send status success

##### 2017-05-18 15:28:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:344433Âµs) - drift=-895Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 bb 3 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 15:28:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 e0 3 7 40
lgw_receive:1184: [2 17]
Note: LoRa packet

##### 2017-05-18 15:29:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
```

```
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:343537Âµs) - drift=-896Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:29:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 15:30:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:350052Âµs) - drift=6515Âµs
```

INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 30 0 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 55 0 7 9f
lgw_receive:1184: [7 17]
Note: LoRa packet

2017-05-18 15:30:51 GMT
[UPSTREAM]
RF packets received by concentrator: 2
CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 50.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 15:31:21 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:379157Âµs) – drift=29105Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 4 1 7 3f
lgw_receive:1184: [3 17]
Note: LoRa packet

2017-05-18 15:31:51 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%

```
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 53 1 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 15:32:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:395494µs) - drift=16337µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:32:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
```

```
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 78 1 7 c4
lgw_receive:1184: [4 17]
Note: LoRa packet

##### 2017-05-18 15:33:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:394591µs) - drift=-903µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 4c 2 7 ec
lgw_receive:1184: [3 17]
Note: LoRa packet

##### 2017-05-18 15:33:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 48 3 7 c5
lgw_receive:1184: [1 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 1d 0 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
```

INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 15:34:21 GMT
[UPSTREAM]
RF packets received by concentrator: 2
CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 50.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:393699Âµs) - drift=-892Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 15:34:51 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 15:35:21 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.

```
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:392800Âµs) – drift=-899Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:35:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 42 0 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 15:36:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:391917Âµs) – drift=-883Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 15:36:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 15:37:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:391024µs) - drift=-893µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:37:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
```

```
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 67 0 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 15:38:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:390130µs) – drift=-894µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:38:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 15:39:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
```

```
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:389216Âµs) – drift=-914Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 8c 0 7 c0
lgw_receive:1184: [4 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 5c 1 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 15:39:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 81 1 7 4a
lgw_receive:1184: [6 17]
Note: LoRa packet

##### 2017-05-18 15:40:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:388337Âµs) - drift=-879Âµs
INFO: Enabling GPS mode for concentrator's counter.



##### 2017-05-18 15:40:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 15:41:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:387396Âµs) - drift=-941Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 db 1 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
```

```
##### 2017-05-18 15:41:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 15:42:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:386547Âµs) - drift=-849Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:42:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 15:43:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:385649µs) - drift=-898µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 0 2 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 15:43:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 15:44:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
```

```
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:382049Âµs) - drift=-3600Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 25 2 7 1
lgw_receive:1184: [3 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 36 2 7 e4
lgw_receive:1184: [1 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 2a 3 7 b9
lgw_receive:1184: [6 17]
Note: LoRa packet

##### 2017-05-18 15:44:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 3
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f3 3 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 15:45:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
```

RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:383859Âµs) – drift=1810Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 18 0 7 9c
lgw_receive:1184: [1 17]
Note: LoRa packet

2017–05–18 15:45:52 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 c4 0 7 ad
lgw_receive:1184: [0 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 81 1 7 73
lgw_receive:1184: [8 16]
Note: LoRa packet

2017–05–18 15:46:22 GMT
[UPSTREAM]
RF packets received by concentrator: 2
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]

```
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:382961Âµs) - drift=-898Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 4 2 7 fa
lgw_receive:1184: [3 17]
Note: LoRa packet

##### 2017-05-18 15:46:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 e 3 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 15:47:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:382067Âµs) - drift=-894Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 15:47:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 15:48:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:381175Âµs) – drift=-892Âµs
INFO: Enabling GPS mode for concentrator's counter.

INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 33 3 7 96
lgw_receive:1184: [0 17]
Note: LoRa packet

##### 2017-05-18 15:48:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d9 3 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:380277Âµs) - drift=-898Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:49:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 15:49:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:379381Âµs) - drift=-896Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

2017-05-18 15:50:23 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 15:50:53 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 fe 3 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:378493Âµs) – drift=-888Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 15:51:23 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0

```
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 23 0 7 79
lgw_receive:1184: [6 17]
Note: LoRa packet


##### 2017-05-18 15:51:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:377590Âµs) – drift=-903Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:52:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 ac 0 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
```

2017-05-18 15:52:53 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:376704Âµs) – drift=-886Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 15:53:23 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 15:53:53 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d1 0 7 d1
lgw_receive:1184: [7 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:375796Âµs) - drift=-908Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:54:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 b2 1 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 15:54:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:374909Âµs) - drift=-887Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 15:55:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 15:55:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:374027Âµs) - drift=-882Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:56:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
```

```
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d7 1 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 15:56:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:373124Âµs) – drift=-903Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:57:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 15:57:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
```

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:372240µs) - drift=-884µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:58:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 fc 1 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 21 2 5 10
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
lgw_receive:1161: WARNING: 42 = INVALID NUMBER OF PACKETS TO FETCH, ABORTING
INFO: Enabling TX notch filter
59.13.33.d3.72.61.d4.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.b7.a.1.42.d0.8b.83.b3.end
lgw_receive:1165: FIFO content: 1 41 2 7 7f
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)

##### 2017-05-18 15:58:54 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 3
# CRC_OK: 66.67%, CRC_FAIL: 33.33%, NO_CRC: 0.00%
# RF packets forwarded: 2 (37 bytes)
```

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 1 (0 bytes)
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:1, rej:0)
# TX rejected (collision beacon): 0.00% (req:1, rej:0)
# TX rejected (too late): 0.00% (req:1, rej:0)
# TX rejected (too early): 0.00% (req:1, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 66.67%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:371344Âµs) – drift=-896Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 15:59:24 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 15:59:54 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
```

Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d0 2 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:370435Âµs) – drift=-909Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 16:00:24 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 16:00:54 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f5 2 7 77
lgw_receive:1184: [6 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:366843Âµs) – drift=-3592Âµs
INFO: Enabling GPS mode for concentrator's counter.

```
##### 2017-05-18 16:01:24 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 16:01:54 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 7c 3 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:368670µs) - drift=1827µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:02:24 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
```

```
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 a1 3 7 38
lgw_receive:1184: [1 17]
Note: LoRa packet

##### 2017-05-18 16:02:54 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 e9 3 7 f
lgw_receive:1184: [5 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:367772µs) – drift=-898µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:03:24 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 8 0 7 3a
lgw_receive:1184: [7 17]
```

Note: LoRa packet

2017-05-18 16:03:54 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 52 0 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 77 0 7 4b
lgw_receive:1184: [5 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:366879µs) – drift=-893µs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 16:04:24 GMT
[UPSTREAM]
RF packets received by concentrator: 2
CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 50.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 16:04:54 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]

```
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:365975Âµs) – drift=-904Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:05:24 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 16:05:54 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d2 0 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
```

INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:365093Âµs) - drift=-882Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 16:06:24 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 16:06:54 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:364207Âµs) - drift=-886Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 16:07:24 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)

```
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f7 0 7 1c
lgw_receive:1184: [5 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 23 1 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 16:07:54 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 48 1 7 3e
lgw_receive:1184: [3 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 96 1 7 23
lgw_receive:1184: [6 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:363311Âµs) – drift=-896Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:08:24 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 16:08:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 c9 1 7 3a
lgw_receive:1184: [4 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:362420Âµs) – drift=-891Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:09:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 13 2 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 16:09:55 GMT #####
```

```
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495119576s:361512µs) – drift=–908µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:10:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 16:10:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
```

```
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:327929Âµs) - drift=-879Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:11:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 38 2 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 16:11:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:327021Âµs) - drift=-908Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:12:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
```

```
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 16:12:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 5d 2 7 df
lgw_receive:1184: [6 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:326140Âµs) - drift=-881Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 4c 3 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 16:13:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
```

```
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 16:13:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:325236Âµs) − drift=−904Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:14:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 16:14:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
```

```
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 71 3 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:324352µs) - drift=-884µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:15:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 16:15:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
```

```
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 96 3 7 bf
lgw_receive:1184: [4 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:323459Âµs) – drift=-893Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:16:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 16:16:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 65 0 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:322558Âµs) – drift=-901Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:17:25 GMT #####
### [UPSTREAM] ###
```

```
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 16:17:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:321665Âµs) – drift=-893Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:18:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
```

Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 8a 0 7 f7
lgw_receive:1184: [1 17]
Note: LoRa packet

2017-05-18 16:18:56 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 91 1 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:320771Âµs) - drift=-894Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 16:19:26 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 16:19:56 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)

PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:319884Âµs) − drift=−887Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017−05−18 16:20:26 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 b6 1 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017−05−18 16:20:56 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:318991Âµs) – drift=–893Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:21:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 db 1 7 d9
lgw_receive:1184: [1 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 c4 2 7 4
lgw_receive:1184: [8 16]
Note: LoRa packet

##### 2017-05-18 16:21:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:318015Âµs) – drift=–976Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:22:26 GMT #####
### [UPSTREAM] ###
```

```
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d8 2 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 16:22:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 fd 2 7 2f
lgw_receive:1184: [1 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:317203Âµs) - drift=-812Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:23:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
```

```
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 16:23:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:316307Âµs) – drift=-896Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:24:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 3c 3 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 16:24:56 GMT #####
### [UPSTREAM] ###
```

```
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:315403Âµs) – drift=-904Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:25:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 16:25:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
```

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:314523Âµs) - drift=-880Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:26:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 61 3 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 86 3 7 ee
lgw_receive:1184: [4 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 84 0 7 1f
lgw_receive:1184: [6 17]
Note: LoRa packet


##### 2017-05-18 16:26:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 3
# CRC_OK: 33.33%, CRC_FAIL: 66.67%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 33.33%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:313626Âµs) - drift=-897Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 16:27:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 16:27:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 b3 0 7 36
lgw_receive:1184: [2 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 f9 0 7 bd
lgw_receive:1184: [8 16]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 c6 1 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:312739Âµs) - drift=-887Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:28:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 3
# CRC_OK: 33.33%, CRC_FAIL: 66.67%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
```

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 33.33%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 16:28:57 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:311843µs) - drift=-896µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:29:27 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

```
##### 2017-05-18 16:29:57 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 eb 1 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:318668µs) - drift=6825µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:30:27 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 16:30:57 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
```

BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:347768Âµs) - drift=29100Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 16:31:27 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 10 2 5 10
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.20.0.4a.41.d8.cc.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.b8.a.1.7c.7c.b1.a.7d.end
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)

2017-05-18 16:31:57 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (16 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 1 (0 bytes)
TX errors: 0
TX rejected (collision packet): 0.00% (req:1, rej:0)
TX rejected (collision beacon): 0.00% (req:1, rej:0)
TX rejected (too late): 0.00% (req:1, rej:0)
TX rejected (too early): 0.00% (req:1, rej:0)
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 30 2 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:362416Âµs) - drift=14648Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:32:27 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 16:32:57 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:361521Âµs) - drift=-895Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:33:27 GMT #####
```

```
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 16:33:57 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 55 2 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:360620µs) - drift=-901µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:34:27 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 7a 2 7 cc
lgw_receive:1184: [6 17]
Note: LoRa packet

##### 2017-05-18 16:34:57 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:359718µs) – drift=-902µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:35:27 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 56 3 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 16:35:57 GMT #####
```

```
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 7b 3 7 c3
lgw_receive:1184: [6 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:358840Âµs) - drift=-878Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:36:27 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 4e 0 7 57
lgw_receive:1184: [8 16]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 b5 0 7 37
lgw_receive:1184: [0 17]
Note: LoRa packet

##### 2017-05-18 16:36:57 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
```

PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 fc 0 7 46
lgw_receive:1184: [7 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:357940µs) – drift=-900µs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 16:37:27 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 52 1 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 16:37:57 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 77 1 7 6d
lgw_receive:1184: [5 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:356984Âµs) - drift=-956Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:38:27 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 16:38:58 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f4 1 7 27
lgw_receive:1184: [1 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 2b 2 7 e4
lgw_receive:1184: [4 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:356081Âµs) - drift=-903Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 16:39:28 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 1f 3 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 16:39:58 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:355263Âµs) - drift=-818Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:40:28 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
```

```
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 16:40:58 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 44 3 7 c0
lgw_receive:1184: [6 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:354372µs) – drift=-891µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 14 0 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 16:41:28 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

```
##### 2017-05-18 16:41:58 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:353481Âµs) – drift=-891Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:42:28 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 39 0 7 44
lgw_receive:1184: [5 17]
Note: LoRa packet

##### 2017-05-18 16:42:58 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
```

```
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 8d 0 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:352588Âµs) - drift=-893Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:43:28 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 16:43:58 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:351700Âµs) - drift=-888Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 16:44:28 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 b2 0 7 f8
lgw_receive:1184: [2 17]
Note: LoRa packet

##### 2017-05-18 16:44:58 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 ba 1 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:350761µs) - drift=-939µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:45:28 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
```

```
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 16:45:58 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:349903Âµs) - drift=-858Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:46:28 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 16:46:58 GMT #####
### [UPSTREAM] ###
```

```
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 df 1 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:348976Âµs) - drift=-927Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:47:28 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 16:47:58 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
```

```
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:348128Âµs) – drift=-848Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:48:28 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 4 2 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 16:48:59 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:347238Âµs) – drift=-890Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 16:49:29 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 29 2 7 ee
lgw_receive:1184: [6 17]
Note: LoRa packet

##### 2017-05-18 16:49:59 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:346289Âµs) - drift=-949Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:50:29 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 27 3 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 16:50:59 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:345453Âµs) - drift=-836Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:51:29 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 4c 3 7 17
lgw_receive:1184: [2 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 73 3 7 42
lgw_receive:1184: [0 17]
```

Note: LoRa packet

2017-05-18 16:51:59 GMT
[UPSTREAM]
RF packets received by concentrator: 2
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:344547Âµs) – drift=-906Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 16:52:29 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 c5 3 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 ea 3 7 86
lgw_receive:1184: [1 17]
Note: LoRa packet

2017-05-18 16:52:59 GMT
[UPSTREAM]
RF packets received by concentrator: 2
CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]

```
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:343661µs) - drift=-886µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:53:29 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 16:53:59 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:342764µs) - drift=-897µs
```

INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 16:54:29 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 80 0 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 16:54:59 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:341872Âµs) - drift=-892Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 16:55:29 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)

```
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 16:55:59 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 a5 0 7 c
lgw_receive:1184: [4 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 c1 0 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:340981µs) - drift=-891µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:56:29 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
```

```
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 16:56:59 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:340087Âµs) – drift=-894Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:57:29 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 16:57:59 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 e6 0 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:339183Âµs) - drift=-904Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:58:29 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 b 1 7 16
lgw_receive:1184: [7 17]
Note: LoRa packet

##### 2017-05-18 16:59:00 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
```

```
INFO: host/sx1301 time offset=(1495123871s:338294Âµs) - drift=-889Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 16:59:30 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:00:00 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 31 1 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:337413Âµs) - drift=-881Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:00:30 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
```

```
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:01:00 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:336526Âµs) - drift=-887Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:01:30 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 56 1 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
```

```
##### 2017-05-18 17:02:00 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:335620Âµs) – drift=-906Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:02:30 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:03:00 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:334725Âµs) - drift=-895Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:03:30 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 7b 1 7 31
lgw_receive:1184: [7 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 bc 1 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 e1 1 7 8a
lgw_receive:1184: [2 17]
Note: LoRa packet

##### 2017-05-18 17:04:00 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 3
# CRC_OK: 33.33%, CRC_FAIL: 66.67%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 33.33%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 7b 2 7 b9
```

```
lgw_receive:1184: [8 16]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:333801Âµs) – drift=-924Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:04:30 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:05:00 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 44 3 5 10
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.13.33.c1.11.a9.d4.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.b9.a.1.db.33.9d.f.76.end
INFO: tx_start_delay=1495 (1495.500000) – (1497, bw_delay=1.500000, notch_delay=0.000000)

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:332946Âµs) – drift=-855Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

2017-05-18 17:05:30 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (16 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 1 (0 bytes)
TX errors: 0
TX rejected (collision packet): 0.00% (req:1, rej:0)
TX rejected (collision beacon): 0.00% (req:1, rej:0)
TX rejected (too late): 0.00% (req:1, rej:0)
TX rejected (too early): 0.00% (req:1, rej:0)
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 64 3 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 17:06:00 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:332062Âµs) – drift=-884Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 17:06:30 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)

```
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:07:00 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:331155µs) – drift=-907µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:07:30 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 89 3 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
```

```
##### 2017-05-18 17:08:00 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:330270Âµs) – drift=-885Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:08:30 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:09:01 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:329371Âµs) – drift=-899Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 ae 3 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 17:09:31 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:10:01 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:328479Âµs) – drift=-892Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:10:31 GMT #####
```

```
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 17:11:01 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d3 3 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:327594µs) – drift=-885µs
INFO: Enabling GPS mode for concentrator's counter.



##### 2017-05-18 17:11:31 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 17:12:01 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:326710Âµs) – drift=-884Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:12:31 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:13:01 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
```

```
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f8 3 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:325813µs) – drift=-897µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:13:31 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:14:01 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
```

```
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:324911Âµs) - drift=-902Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:14:31 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:15:01 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 1d 0 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:324028Âµs) - drift=-883Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:15:31 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
```

```
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 17:16:01 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:323127Âµs) - drift=-901Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:16:31 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 42 0 5 15
```

```
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 17:17:01 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:322239Âµs) - drift=-888Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:17:31 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 67 0 7 6b
lgw_receive:1184: [7 17]
Note: LoRa packet

##### 2017-05-18 17:18:01 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
```

```
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:321308Âµs) – drift=–931Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017–05–18 17:18:31 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 e2 0 7 e3
lgw_receive:1184: [3 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 d5 1 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017–05–18 17:19:02 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
```

END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:320456Âµs) – drift=-852Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 17:19:32 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 17:20:02 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:319558Âµs) – drift=-898Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 17:20:32 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)

```
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 fa 1 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 17:21:02 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:318662µs) - drift=-896µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:21:32 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

2017-05-18 17:22:02 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495123871s:317785Âµs) – drift=-877Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 17:22:32 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 1f 2 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 17:23:02 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0

```
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 44 2 7 45
lgw_receive:1184: [3 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:284185Âµs) - drift=-896Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:23:32 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 17:24:02 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:283284Âµs) - drift=-901Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
lgw_receive:1165: FIFO content: 1 99 2 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 17:24:32 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:25:02 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:279827Âµs) - drift=-3457Âµs
INFO: Enabling GPS mode for concentrator's counter.

##### 2017-05-18 17:25:32 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
```

```
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 17:26:02 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 be 2 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:281496Âµs) – drift=1669Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:26:32 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:27:02 GMT #####
```

```
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 e3 2 7 1
lgw_receive:1184: [8 16]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:280612µs) - drift=-884µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:27:32 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:28:02 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
```

INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f4 2 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:278129Âµs) – drift=-2483Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 17:28:32 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 17:29:03 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:278834Âµs) – drift=705Âµs
INFO: Enabling GPS mode for concentrator's counter.

```
##### 2017-05-18 17:29:33 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 19 3 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 17:30:03 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:282632µs) - drift=3798µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:30:33 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
```

```
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:31:03 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:314565Âµs) - drift=31933Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:31:33 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 3e 3 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 17:32:03 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
```

```
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:329701Âµs) - drift=15136Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:32:33 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:33:03 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
```

END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:328810Âµs) - drift=-891Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 17:33:33 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 63 3 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 17:34:03 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:327921Âµs) - drift=-889Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 17:34:33 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)

PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 17:35:03 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:327028µs) – drift=-893µs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 17:35:33 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

```
lgw_receive:1165: FIFO content: 1 88 3 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 17:36:03 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:326136µs) - drift=-892µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:36:33 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:37:03 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
```

```
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:325249Âµs) - drift=-887Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 ad 3 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 17:37:33 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:38:03 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d2 3 7 6c
lgw_receive:1184: [3 17]
Note: LoRa packet
```

```
lgw_receive:1165: FIFO content: 1 4e 0 5 10
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.20.0.37.e1.45.ec.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.ba.a.1.40.1f.d4.81.49.end
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:324356Âµs) - drift=-893Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 6e 0 5 10
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.13.33.38.22.ad.9c.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.bb.a.1.4.73.1d.af.b6.end
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)

##### 2017-05-18 17:38:33 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 3
# CRC_OK: 66.67%, CRC_FAIL: 33.33%, NO_CRC: 0.00%
# RF packets forwarded: 2 (32 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 2 (0 bytes)
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:2, rej:0)
# TX rejected (collision beacon): 0.00% (req:2, rej:0)
# TX rejected (too late): 0.00% (req:2, rej:0)
# TX rejected (too early): 0.00% (req:2, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 66.67%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 8e 0 7 12
lgw_receive:1184: [1 17]
Note: LoRa packet

##### 2017-05-18 17:39:04 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 b0 0 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:323455Âµs) - drift=-901Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:39:34 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d5 0 7 d
lgw_receive:1184: [6 17]
Note: LoRa packet

##### 2017-05-18 17:40:04 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
```

INFO: host/sx1301 time offset=(1495128166s:322569Âµs) – drift=-886Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 17:40:34 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f2 0 7 4
lgw_receive:1184: [8 16]
Note: LoRa packet

2017-05-18 17:41:04 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 6 1 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 2b 1 7 51
lgw_receive:1184: [4 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:321676Âµs) – drift=-893Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 17:41:34 GMT
[UPSTREAM]
RF packets received by concentrator: 2

CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 50.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 8c 1 7 f1
lgw_receive:1184: [8 16]
Note: LoRa packet

2017-05-18 17:42:04 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:320777µs) – drift=-899µs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 17:42:34 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!

```
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:43:04 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 8d 2 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:319894Âµs) − drift=−883Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:43:34 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 b2 2 7 5a
lgw_receive:1184: [2 17]
Note: LoRa packet

##### 2017-05-18 17:44:04 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
```

```
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:319005µs) - drift=-889µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:44:34 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 1c 3 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 17:45:04 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
```

```
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:318112Âµs) - drift=-893Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:45:34 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:46:04 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:317223Âµs) - drift=-889Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:46:34 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
```

```
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 41 3 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 17:47:04 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:316336Âµs) - drift=-887Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 66 3 7 84
lgw_receive:1184: [5 17]
Note: LoRa packet

##### 2017-05-18 17:47:34 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:48:04 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:315447Âµs) - drift=-889Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:48:34 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 fa 3 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 17:49:05 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
```

```
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 1f 0 7 75
lgw_receive:1184: [0 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:314553Âµs) – drift=–894Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017–05–18 17:49:35 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017–05–18 17:50:05 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
```

END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:313667Âµs) − drift=-886Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 17:50:35 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 a4 0 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 17:51:05 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:312767Âµs) − drift=-900Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 17:51:35 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:52:05 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:311881µs) - drift=-886µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 c9 0 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 17:52:35 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
```

```
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 ee 0 7 46
lgw_receive:1184: [7 17]
Note: LoRa packet

##### 2017-05-18 17:53:05 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:310991µs) - drift=-890µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:53:35 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:54:05 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
```

```
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 44 1 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:310094Âµs) - drift=-897Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:54:35 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 17:55:05 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

```
INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:309216Âµs) - drift=-878Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:55:35 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 69 1 7 4b
lgw_receive:1184: [8 16]
Note: LoRa packet


##### 2017-05-18 17:56:05 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 c4 1 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:308322Âµs) - drift=-894Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:56:35 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
```

```
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 17:57:05 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:307427µs) – drift=-895µs
INFO: Enabling GPS mode for concentrator's counter.



##### 2017-05-18 17:57:35 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
```

INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 e9 1 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017–05–18 17:58:05 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:306549Âµs) – drift=–878Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017–05–18 17:58:35 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017–05–18 17:59:06 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)

```
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:305651Âµs) - drift=-898Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 17:59:36 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 e 2 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 18:00:06 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
```

```
INFO: host/sx1301 time offset=(1495128166s:304769Âµs) - drift=-882Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:00:36 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 18:01:06 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:303864Âµs) - drift=-905Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:01:36 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
```

```
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 33 2 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 18:02:06 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:302983µs) – drift=-881µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:02:36 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:03:06 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
```

CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:302077Âµs) – drift=-906Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 18:03:36 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 58 2 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 18:04:06 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:298514Âµs) - drift=-3563Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:04:36 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:05:06 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:300320Âµs) - drift=1806Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 7d 2 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 18:05:36 GMT #####
```

```
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:06:06 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:299429Âµs) - drift=-891Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:06:36 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
```

```
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:07:06 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:295805Âµs) – drift=-3624Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 a2 2 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 18:07:36 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:08:06 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
```

```
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 c7 2 7 66
lgw_receive:1184: [7 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:297650Âµs) - drift=1845Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:08:36 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:09:07 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

```
lgw_receive:1165: FIFO content: 1 3d 3 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:294050Âµs) - drift=-3600Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:09:37 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:10:07 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:295877Âµs) - drift=1827Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 62 3 7 84
lgw_receive:1184: [2 17]
Note: LoRa packet

##### 2017-05-18 18:10:37 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
```

```
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:11:07 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f6 3 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:294983Âµs) – drift=-894Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 1b 0 5 10
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes

##### 2017-05-18 18:11:37 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 2 (37 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
```

```
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:1, rej:0)
# TX rejected (collision beacon): 0.00% (req:1, rej:0)
# TX rejected (too late): 0.00% (req:1, rej:0)
# TX rejected (too early): 0.00% (req:1, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 3b 0 5 10
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.6.66.ae.ef.dd.7c.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.bd.a.1.d4.ff.2a.6.70.end
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)


##### 2017-05-18 18:12:07 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (16 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 1 (0 bytes)
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:1, rej:0)
# TX rejected (collision beacon): 0.00% (req:1, rej:0)
# TX rejected (too late): 0.00% (req:1, rej:0)
# TX rejected (too early): 0.00% (req:1, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 5b 0 7 35
lgw_receive:1184: [2 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:294094µs) - drift=-889µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:12:37 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
```

```
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 6a 1 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 a0 0 7 ba
lgw_receive:1184: [1 17]
Note: LoRa packet

##### 2017-05-18 18:13:07 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:293213Âµs) – drift=-881Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:13:37 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
```

```
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:14:07 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:292321Âµs) - drift=-892Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:14:37 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 8f 1 7 31
lgw_receive:1184: [7 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 d0 1 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 18:15:07 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
```

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:291439Âµs) - drift=-882Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:15:37 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:16:07 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

```
INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:290555µs) – drift=-884µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 f5 1 7 14
lgw_receive:1184: [0 17]
Note: LoRa packet

##### 2017-05-18 18:16:37 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 19 2 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 18:17:07 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:289662µs) – drift=-893µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:17:37 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
```

```
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:18:07 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 3e 2 7 fa
lgw_receive:1184: [6 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:288771µs) – drift=-891µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:18:37 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
```

```
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 48 3 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017–05–18 18:19:08 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 6d 3 7 38
lgw_receive:1184: [0 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 b5 3 7 1c
lgw_receive:1184: [8 16]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:287884Âµs) – drift=–887Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017–05–18 18:19:38 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017–05–18 18:20:08 GMT #####
### [UPSTREAM] ###
```

```
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:287001Âµs) – drift=-883Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 e1 3 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 18:20:38 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 6 0 7 5d
lgw_receive:1184: [0 17]
Note: LoRa packet

##### 2017-05-18 18:21:08 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
```

```
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:286110Âµs) - drift=-891Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:21:38 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:22:08 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 73 0 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:285213Âµs) - drift=-897Âµs
```

INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 18:22:38 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 18:23:08 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 98 0 7 72
lgw_receive:1184: [3 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:284335Âµs) – drift=-878Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 18:23:38 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)

```
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:24:08 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 1a 1 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:283456Âµs) – drift=-879Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 3f 1 7 6b
lgw_receive:1184: [8 16]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 ba 1 7 c
lgw_receive:1184: [5 17]
Note: LoRa packet

##### 2017-05-18 18:24:38 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 3
# CRC_OK: 33.33%, CRC_FAIL: 66.67%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
```

```
# Upstream radio packet quality: 33.33%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:25:08 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:282562Âµs) – drift=-894Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:25:38 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d6 1 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 18:26:08 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
```

```
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:281672Âµs) – drift=-890Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:26:38 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:27:08 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:280792Âµs) – drift=-880Âµs
```

INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 18:27:38 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 fb 1 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 18:28:08 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:279895Âµs) – drift=-897Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 18:28:38 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)

```
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:29:09 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:279014Âµs) - drift=-881Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:29:39 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 20 2 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
```

```
##### 2017-05-18 18:30:09 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:285977Âµs) - drift=6963Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:30:39 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:31:09 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
```

```
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:312237µs) - drift=26260µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:31:39 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 45 2 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 6a 2 7 d9
lgw_receive:1184: [2 17]
Note: LoRa packet


##### 2017-05-18 18:32:09 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:329323µs) - drift=17086µs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 18:32:39 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:33:09 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495128166s:328441Âµs) - drift=-882Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 53 3 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 18:33:39 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
```

```
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:34:09 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:294850µs) - drift=-887µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:34:39 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:35:09 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
```

```
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:293969Âµs) – drift=-881Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 78 3 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 18:35:39 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:36:09 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
```

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:290380Âµs) - drift=-3589Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:36:39 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:37:09 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 9d 3 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:292189Âµs) - drift=1809Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:37:39 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
```

```
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 c2 3 7 7f
lgw_receive:1184: [6 17]
Note: LoRa packet

##### 2017-05-18 18:38:09 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:291310Âµs) – drift=-879Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:38:39 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
```

```
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:39:10 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 51 0 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:290420µs) - drift=-890µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:39:40 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:40:10 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
```

```
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 76 0 7 e9
lgw_receive:1184: [0 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:289540Âµs) — drift=-880Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:40:40 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 6f 1 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 18:41:10 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
```

Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:288659Âµs) - drift=-881Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 18:41:40 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 18:42:10 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:287763Âµs) - drift=-896Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 18:42:40 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%

```
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 94 1 7 97
lgw_receive:1184: [5 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 3b 2 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 18:43:10 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:286881Âµs) - drift=-882Âµs
INFO: Enabling GPS mode for concentrator's counter.



##### 2017-05-18 18:43:40 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
```

```
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:44:10 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 60 2 7 12
lgw_receive:1184: [2 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:285996Âµs) - drift=-885Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:44:40 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 82 2 7 60
lgw_receive:1184: [6 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 f2 2 5 10
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 12 3 5 15
lgw_receive:1184: [2 17]
```

Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.13.33.25.7b.af.84.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.be.a.1.68.b8.bf.f8.6c.end
lgw_receive:1165: FIFO content: 1 37 3 5 10
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: tx_start_delay=1495 (1495.500000) – (1497, bw_delay=1.500000, notch_delay=0.000000)
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.6.66.25.bd.17.24.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.bf.a.1.b0.36.ab.b9.fb.end
INFO: tx_start_delay=1495 (1495.500000) – (1497, bw_delay=1.500000, notch_delay=0.000000)

2017–05–18 18:45:10 GMT
[UPSTREAM]
RF packets received by concentrator: 4
CRC_OK: 75.00%, CRC_FAIL: 25.00%, NO_CRC: 0.00%
RF packets forwarded: 3 (53 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 2 (0 bytes)
TX errors: 0
TX rejected (collision packet): 0.00% (req:2, rej:0)
TX rejected (collision beacon): 0.00% (req:2, rej:0)
TX rejected (too late): 0.00% (req:2, rej:0)
TX rejected (too early): 0.00% (req:2, rej:0)
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 75.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:283525Âµs) – drift=–2471Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017–05–18 18:45:40 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 57 3 7 c2
lgw_receive:1184: [7 17]
Note: LoRa packet

##### 2017-05-18 18:46:10 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:284235µs) - drift=710µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:46:40 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 29 0 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 18:47:10 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
```

```
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:283349Âµs) - drift=-886Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:47:40 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:48:10 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

```
INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:282465Âµs) - drift=-884Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 4e 0 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 18:48:40 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 73 0 7 49
lgw_receive:1184: [2 17]
Note: LoRa packet

##### 2017-05-18 18:49:11 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:281575Âµs) - drift=-890Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:49:41 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
```

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:50:11 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:280684Âµs) - drift=-891Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 cc 0 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 18:50:41 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
```

```
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f1 0 7 32
lgw_receive:1184: [5 17]
Note: LoRa packet

##### 2017-05-18 18:51:11 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:279807µs) - drift=-877µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:51:41 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:52:11 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
```

```
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 33 1 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:278841Âµs) – drift=-966Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:52:41 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:53:11 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:277964Âµs) - drift=-877Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 18:53:41 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 58 1 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 18:54:11 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:277155Âµs) - drift=-809Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 18:54:41 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%

```
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 7d 1 7 e6
lgw_receive:1184: [5 17]
Note: LoRa packet


##### 2017-05-18 18:55:11 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:276276Âµs) - drift=-879Âµs
INFO: Enabling GPS mode for concentrator's counter.



##### 2017-05-18 18:55:41 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
```

```
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 73 2 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 98 2 7 5e
lgw_receive:1184: [3 17]
Note: LoRa packet

##### 2017-05-18 18:56:11 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:275394Âµs) - drift=-882Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:56:41 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:57:11 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
```

```
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:274501µs) - drift=-893µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 6 3 7 33
lgw_receive:1184: [1 17]
Note: LoRa packet

##### 2017-05-18 18:57:41 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 49 3 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 18:58:11 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
```

```
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:273623Âµs) - drift=-878Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:58:41 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 18:59:12 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:272738Âµs) - drift=-885Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 18:59:42 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
```

```
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 6e 3 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 19:00:12 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:271858Âµs) - drift=-880Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:00:42 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
```

```
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:01:12 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:270977Âµs) - drift=-881Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 93 3 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 19:01:42 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 b8 3 7 5a
lgw_receive:1184: [7 17]
Note: LoRa packet

##### 2017-05-18 19:02:12 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
```

```
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:270089Âµs) - drift=-888Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:02:42 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:03:12 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
```

INFO: host/sx1301 time offset=(1495132461s:266487Âµs) - drift=-3602Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 22 0 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 19:03:42 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 19:04:12 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 47 0 7 7b
lgw_receive:1184: [4 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:268325Âµs) - drift=1838Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 d2 0 7 b1
lgw_receive:1184: [6 17]
Note: LoRa packet

2017-05-18 19:04:42 GMT
[UPSTREAM]
RF packets received by concentrator: 2

```
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 19:05:12 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 93 1 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:267436Âµs) - drift=-889Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:05:42 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:06:12 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:266500Âµs) - drift=-936Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:06:42 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:07:12 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
```

```
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 b8 1 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:265667µs) – drift=-833µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:07:42 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:08:12 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:261944Âµs) - drift=-3723Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 19:08:42 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 dd 1 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 19:09:13 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:263895Âµs) - drift=1951Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 19:09:43 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]

```
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:10:13 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:263021Âµs) - drift=-874Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:10:43 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 2 2 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
```

INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 19:11:13 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:262099Âµs) - drift=-922Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 19:11:43 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 19:12:13 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.

```
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:261263Âµs) - drift=-836Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:12:43 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 27 2 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 19:13:13 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:260378Âµs) - drift=-885Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 19:13:43 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 4c 2 7 97
lgw_receive:1184: [5 17]
Note: LoRa packet

##### 2017-05-18 19:14:13 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:259493µs) - drift=-885µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:14:43 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f3 2 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 19:15:13 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:258602Âµs) – drift=-891Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 18 3 7 41
lgw_receive:1184: [5 17]
Note: LoRa packet

##### 2017-05-18 19:15:43 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:16:13 GMT #####
```

```
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:257728Âµs) - drift=-874Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 69 3 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 19:16:43 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:17:13 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:256844Âµs) - drift=-884Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:17:43 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 8e 3 5 10
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.6.66.9c.48.aa.b4.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.c0.a.1.4c.30.c3.3f.f4.end
lgw_receive:1165: FIFO content: 1 ae 3 5 10
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.20.0.9c.8a.10.dc.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.c1.a.1.97.be.6a.da.78.end
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)


##### 2017-05-18 19:18:13 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 2 (32 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 2 (0 bytes)
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:2, rej:0)
```

```
# TX rejected (collision beacon): 0.00% (req:2, rej:0)
# TX rejected (too late): 0.00% (req:2, rej:0)
# TX rejected (too early): 0.00% (req:2, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:255962Âµs) - drift=-882Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 ce 3 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 19:18:43 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:19:14 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:255081Âµs) – drift=-881Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 19:19:44 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 19:20:14 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f3 3 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:254186Âµs) – drift=-895Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 19:20:44 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%

```
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 18 0 7 c4
lgw_receive:1184: [0 17]
Note: LoRa packet


##### 2017-05-18 19:21:14 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:253306Âµs) - drift=-880Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:21:44 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
```

```
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 ec 0 7 34
lgw_receive:1184: [2 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 30 1 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 19:22:14 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:252428µs) - drift=-878µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:22:44 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:23:14 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
```

```
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:251544µs) – drift=-884µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:23:44 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 55 1 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 19:24:14 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
```

INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:250654Âµs) – drift=-890Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 7a 1 7 13
lgw_receive:1184: [1 17]
Note: LoRa packet

2017-05-18 19:24:44 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 19:25:14 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:249768Âµs) – drift=-886Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 9d 1 7 b3
lgw_receive:1184: [4 17]
Note: LoRa packet

2017-05-18 19:25:44 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%

```
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 60 2 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 19:26:14 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:248892Âµs) – drift=-876Âµs
INFO: Enabling GPS mode for concentrator's counter.



##### 2017-05-18 19:26:44 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
```

```
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:27:14 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:248004Âµs) - drift=-888Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:27:44 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 85 2 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 19:28:14 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
```

```
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 aa 2 7 3b
lgw_receive:1184: [5 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:247129Âµs) – drift=-875Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 f5 2 7 72
lgw_receive:1184: [2 17]
Note: LoRa packet

##### 2017-05-18 19:28:44 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 77 3 7 48
lgw_receive:1184: [0 17]
Note: LoRa packet

##### 2017-05-18 19:29:15 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
```

```
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:246252µs) - drift=-877µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 cf 3 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 19:29:45 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:30:15 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:253515µs) - drift=7263µs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 19:30:45 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:31:15 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:282626Âµs) – drift=29111Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 f4 3 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 19:31:45 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
```

```
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:32:15 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:296545Âµs) - drift=13919Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:32:45 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:33:15 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
```

```
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:295657Âµs) – drift=-888Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 19 0 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 19:33:45 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:34:15 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
```

```
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:294774Âµs) - drift=-883Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 3e 0 7 98
lgw_receive:1184: [1 17]
Note: LoRa packet

##### 2017-05-18 19:34:45 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:35:15 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 e6 0 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 b 1 7 65
lgw_receive:1184: [2 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:293898Âµs) - drift=-876Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 19:35:45 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:36:15 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:293015Âµs) – drift=-883Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:36:45 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 80 1 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 19:37:15 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:292139Âµs) - drift=-876Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:37:45 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:38:15 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
```

```
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:291241Âµs) - drift=-898Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 a5 1 7 e5
lgw_receive:1184: [0 17]
Note: LoRa packet

##### 2017-05-18 19:38:45 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 9a 2 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 19:39:16 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:288622Âµs) - drift=-2619Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 19:39:46 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 19:40:16 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:289495Âµs) - drift=873Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 19:40:46 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 bf 2 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 19:41:16 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:288615Âµs) - drift=-880Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 e4 2 7 73
lgw_receive:1184: [4 17]
Note: LoRa packet

##### 2017-05-18 19:41:46 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
```

```
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:42:16 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:287732µs) – drift=-883µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:42:46 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 67 3 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 19:43:16 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
```

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:286853Âµs) – drift=-879Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:43:46 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 8c 3 7 ee
lgw_receive:1184: [6 17]
Note: LoRa packet

##### 2017-05-18 19:44:16 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
```

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:285969Âµs) - drift=-884Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 8a 0 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 af 0 7 86
lgw_receive:1184: [7 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 45 1 7 69
lgw_receive:1184: [0 17]
Note: LoRa packet

##### 2017-05-18 19:44:46 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 3
# CRC_OK: 33.33%, CRC_FAIL: 66.67%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 33.33%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:45:16 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495132461s:285084Âµs) - drift=-885Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 19:45:46 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:46:16 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:251502µs) - drift=-878µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 be 1 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 19:46:46 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
```

```
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 e3 1 7 4e
lgw_receive:1184: [4 17]
Note: LoRa packet


##### 2017-05-18 19:47:16 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:250623Âµs) - drift=-879Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 41 2 7 e9
lgw_receive:1184: [1 17]
Note: LoRa packet

##### 2017-05-18 19:47:46 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

```
##### 2017-05-18 19:48:16 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 3a 3 7 65
lgw_receive:1184: [5 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 af 3 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:249728µs) - drift=-895µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:48:46 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d4 3 7 42
lgw_receive:1184: [8 16]
Note: LoRa packet

##### 2017-05-18 19:49:17 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
```

```
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 26 0 7 97
lgw_receive:1184: [3 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:248855Âµs) - drift=-873Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:49:47 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 cd 0 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 19:50:17 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:247973Âµs) – drift=-882Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 f2 0 7 c3
lgw_receive:1184: [8 16]
Note: LoRa packet

##### 2017-05-18 19:50:47 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 c5 1 5 10
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.20.0.13.15.a3.8c.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.c2.a.1.20.a9.51.9d.11.end
INFO: tx_start_delay=1495 (1495.500000) – (1497, bw_delay=1.500000, notch_delay=0.000000)

##### 2017-05-18 19:51:17 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (16 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 1 (0 bytes)
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:1, rej:0)
# TX rejected (collision beacon): 0.00% (req:1, rej:0)
# TX rejected (too late): 0.00% (req:1, rej:0)
# TX rejected (too early): 0.00% (req:1, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
```

[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 e5 1 5 10
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.6.66.13.57.b.6c.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.c3.a.1.92.5a.3f.f1.3a.end
INFO: tx_start_delay=1495 (1495.500000) – (1497, bw_delay=1.500000, notch_delay=0.000000)

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:247097Âµs) – drift=-876Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 19:51:47 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (16 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 1 (0 bytes)
TX errors: 0
TX rejected (collision packet): 0.00% (req:1, rej:0)
TX rejected (collision beacon): 0.00% (req:1, rej:0)
TX rejected (too late): 0.00% (req:1, rej:0)
TX rejected (too early): 0.00% (req:1, rej:0)
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 5 2 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 19:52:17 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!

```
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:246164Âµs) - drift=-933Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:52:47 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:53:17 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:245330Âµs) - drift=-834Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 2a 2 7 71
lgw_receive:1184: [0 17]
Note: LoRa packet

##### 2017-05-18 19:53:47 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
```

```
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 ab 2 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 19:54:17 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:244448Âµs) - drift=-882Âµs
INFO: Enabling GPS mode for concentrator's counter.



##### 2017-05-18 19:54:47 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:55:17 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:243574Âµs) – drift=-874Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:55:47 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d0 2 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 f5 2 7 91
lgw_receive:1184: [0 17]
Note: LoRa packet

##### 2017-05-18 19:56:17 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
```

```
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 96 3 7 1
lgw_receive:1184: [2 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:242701Âµs) - drift=-873Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 19:56:47 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 a7 3 7 f2
lgw_receive:1184: [3 17]
Note: LoRa packet

##### 2017-05-18 19:57:17 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:241816Âµs) - drift=-885Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 a9 0 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 19:57:47 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:58:17 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:240937Âµs) - drift=-879Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 19:58:47 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 19:59:18 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:237347µs) – drift=-3590µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 ce 0 7 2e
lgw_receive:1184: [3 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 c 1 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 19:59:48 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
```

```
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:00:18 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:239169Âµs) - drift=1822Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:00:48 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:01:18 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
```

```
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:238289Âµs) - drift=-880Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 31 1 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 20:01:48 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:02:18 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:237424Âµs) - drift=-865Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:02:48 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:03:18 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 56 1 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:236539Âµs) - drift=-885Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:03:48 GMT #####
```

```
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:04:18 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:233076Âµs) – drift=-3463Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:04:48 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
```

```
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 7b 1 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 20:05:18 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:234778µs) - drift=1702µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:05:48 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:06:18 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
```

```
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:231048Âµs) - drift=-3730Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:06:48 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 a0 1 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 20:07:18 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
```

```
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:233027Âµs) - drift=1979Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:07:48 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:08:18 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:232141Âµs) - drift=-886Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:08:48 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
```

```
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 c5 1 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 20:09:19 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:231255Âµs) - drift=-886Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:09:49 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

```
##### 2017-05-18 20:10:19 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:230375Âµs) - drift=-880Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:10:49 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 ea 1 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 20:11:19 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
```

```
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:229509Âµs) - drift=-866Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 f 2 7 ff
lgw_receive:1184: [2 17]
Note: LoRa packet

##### 2017-05-18 20:11:49 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:12:19 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:228622Âµs) - drift=-887Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
lgw_receive:1165: FIFO content: 1 1e 3 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 20:12:49 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:13:19 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:227740Âµs) - drift=-882Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:13:49 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
```

```
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:14:19 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:224012Âµs) - drift=-3728Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 43 3 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 20:14:49 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:15:19 GMT #####
### [UPSTREAM] ###
```

```
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:225983µs) – drift=1971µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:15:49 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:16:19 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
```

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:225098µs) - drift=-885µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 68 3 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 20:16:49 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:17:19 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:224225µs) - drift=-873µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:17:49 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
```

```
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 8d 3 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 20:18:19 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:223349Âµs) - drift=-876Âµs
INFO: Enabling GPS mode for concentrator's counter.



##### 2017-05-18 20:18:49 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
```

```
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:19:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:222475µs) - drift=-874µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:19:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 b2 3 7 fb
lgw_receive:1184: [0 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 bd 0 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 20:20:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
```

```
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:221597Âµs) - drift=-878Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 e2 0 7 73
lgw_receive:1184: [6 17]
Note: LoRa packet

##### 2017-05-18 20:20:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:21:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
```

Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:220711Âµs) - drift=-886Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 20:21:50 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 65 1 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 20:22:20 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:219833Âµs) - drift=-878Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 20:22:50 GMT
[UPSTREAM]
RF packets received by concentrator: 0

```
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 20:23:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:218954Âµs) – drift=-879Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:23:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
```

```
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 8a 1 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 20:24:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:218076Âµs) - drift=-878Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 af 1 5 10
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.20.0.89.e2.65.14.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.c4.a.1.ed.c9.74.6.c7.end
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)

##### 2017-05-18 20:24:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (16 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 1 (0 bytes)
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:1, rej:0)
# TX rejected (collision beacon): 0.00% (req:1, rej:0)
# TX rejected (too late): 0.00% (req:1, rej:0)
# TX rejected (too early): 0.00% (req:1, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
```

```
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:25:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:217152Âµs) – drift=-924Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 cf 1 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 20:25:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f4 1 7 ed
lgw_receive:1184: [0 17]
Note: LoRa packet

##### 2017-05-18 20:26:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
```

```
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:216304Âµs) – drift=-848Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:26:50 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:27:20 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
```

INFO: host/sx1301 time offset=(1495136756s:215436Âµs) - drift=-868Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 f1 2 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 20:27:50 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 20:28:20 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:214549Âµs) - drift=-887Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 20:28:50 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)

```
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 16 3 7 87
lgw_receive:1184: [0 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 ad 3 7 ac
lgw_receive:1184: [7 17]
Note: LoRa packet

##### 2017-05-18 20:29:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:213662Âµs) – drift=-887Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 69 0 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 20:29:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:30:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:221276µs) - drift=7614µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:30:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:31:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
```

```
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 8e 0 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:250384Âµs) − drift=29108Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:31:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:32:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
```

```
INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:263582Âµs) - drift=13198Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:32:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 b3 0 7 c
lgw_receive:1184: [2 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 cf 0 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 20:33:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:262699Âµs) - drift=-883Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:33:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
```

```
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f4 0 7 d
lgw_receive:1184: [8 16]
Note: LoRa packet


##### 2017-05-18 20:34:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:261823Âµs) - drift=-876Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 11 1 7 23
lgw_receive:1184: [1 17]
Note: LoRa packet

##### 2017-05-18 20:34:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 44 1 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 20:35:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:260947Âµs) - drift=-876Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 69 1 7 49
lgw_receive:1184: [4 17]
Note: LoRa packet

##### 2017-05-18 20:35:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:36:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
```

```
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:260058Âµs) – drift=-889Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:36:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 c2 1 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 20:37:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:256373Âµs) – drift=-3685Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 e7 1 7 d4
lgw_receive:1184: [1 17]
Note: LoRa packet

##### 2017-05-18 20:37:51 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:38:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:258295Âµs) – drift=1922Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:38:51 GMT #####
### [UPSTREAM] ###
```

```
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 cb 2 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 20:39:21 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:257411Âµs) - drift=-884Âµs
INFO: Enabling GPS mode for concentrator's counter.



##### 2017-05-18 20:39:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
```

```
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:40:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:256526µs) – drift=-885µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 f0 2 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 20:40:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:41:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
```

PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:255651Âµs) - drift=-875Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 20:41:52 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 20:42:22 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:254729Âµs) – drift=-922Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 15 3 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 20:42:52 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

2017-05-18 20:43:22 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:253879Âµs) – drift=-850Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 20:43:52 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%

```
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 20:44:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:252998µs) – drift=-881µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 3a 3 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 5f 3 7 5b
lgw_receive:1184: [6 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 ca 3 7 d8
lgw_receive:1184: [8 16]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 b2 0 7 43
lgw_receive:1184: [5 17]
Note: LoRa packet


##### 2017-05-18 20:44:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 4
# CRC_OK: 25.00%, CRC_FAIL: 75.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
```

```
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 25.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 5 1 7 b8
lgw_receive:1184: [3 17]
Note: LoRa packet


##### 2017-05-18 20:45:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:252065Âµs) - drift=-933Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:45:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 cd 1 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
```

```
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 20:46:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:251228µs) - drift=-837µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:46:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:47:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
```

```
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:250345Âµs) - drift=-883Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:47:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f2 1 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 20:48:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:249469Âµs) - drift=-876Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 20:48:52 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 17 2 7 22
lgw_receive:1184: [2 17]
Note: LoRa packet

##### 2017-05-18 20:49:22 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:248583Âµs) - drift=-886Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:49:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 49 2 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 20:50:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:247695Âµs) – drift=-888Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:50:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:51:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
```

```
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:246803µs) – drift=-892µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:51:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 6e 2 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 20:52:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
```

```
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:245923Âµs) – drift=-880Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 93 2 7 2b
lgw_receive:1184: [1 17]
Note: LoRa packet

##### 2017-05-18 20:52:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:53:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:245038Âµs) – drift=-885Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 ce 2 5 15
lgw_receive:1184: [4 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
```

```
##### 2017-05-18 20:53:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:54:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:244161Âµs) – drift=-877Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:54:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
```

```
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f3 2 7 62
lgw_receive:1184: [7 17]
Note: LoRa packet

##### 2017-05-18 20:55:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:243265Âµs) – drift=–896Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 65 3 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 20:55:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 8a 3 7 5
lgw_receive:1184: [2 17]
Note: LoRa packet
```

```
##### 2017-05-18 20:56:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:242376Âµs) - drift=-889Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:56:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:57:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
```

```
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495136756s:241502Âµs) - drift=-874Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 9f 3 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
lgw_receive:1165: FIFO content: 1 c4 3 5 10
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes
INFO: Enabling TX notch filter
59.6.66.0.b0.f1.3c.9.0.97.e.10.0.8.0.0.a0.d4.1b.1.26.20.c5.a.1.92.f4.9b.fa.83.end
INFO: tx_start_delay=1495 (1495.500000) - (1497, bw_delay=1.500000, notch_delay=0.000000)

##### 2017-05-18 20:57:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 2 (37 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 1 (0 bytes)
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:1, rej:0)
# TX rejected (collision beacon): 0.00% (req:1, rej:0)
# TX rejected (too late): 0.00% (req:1, rej:0)
# TX rejected (too early): 0.00% (req:1, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 e4 3 7 a0
lgw_receive:1184: [5 17]
Note: LoRa packet

##### 2017-05-18 20:58:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:207868Âµs) – drift=-930Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 20:58:53 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 20:59:23 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 94 0 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:207025Âµs) – drift=-843Âµs
INFO: Enabling GPS mode for concentrator's counter.

INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
```

```
##### 2017-05-18 20:59:54 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 21:00:24 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:206141Âµs) - drift=-884Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 b9 0 7 31
lgw_receive:1184: [0 17]
Note: LoRa packet

##### 2017-05-18 21:00:54 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
```

```
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 fa 0 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 21:01:24 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:205256µs) – drift=-885µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 1f 1 7 6f
lgw_receive:1184: [1 17]
Note: LoRa packet

##### 2017-05-18 21:01:54 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 9e 1 7 4c
```

```
lgw_receive:1184: [1 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 fa 1 7 e1
lgw_receive:1184: [8 16]
Note: LoRa packet

##### 2017-05-18 21:02:24 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:204362Âµs) - drift=-894Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 21:02:54 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 eb 2 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 21:03:24 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
```

```
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:203472Âµs) - drift=-890Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 21:03:54 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 21:04:24 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
```

lora-pkt-fwd.log.3   Fri May 19 09:15:27 2017   532

INFO: host/sx1301 time offset=(1495141051s:202593Âµs) - drift=-879Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 21:04:54 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 0.00%.
Semtech status report send.
END
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 10 3 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

2017-05-18 21:05:24 GMT
[UPSTREAM]
RF packets received by concentrator: 1
CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 1 (21 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)
PULL_RESP(onse) datagrams received: 0 (0 bytes)
RF packets sent to concentrator: 0 (0 bytes)
TX errors: 0
BEACON IS DISABLED!
[JIT]
INFO: JIT queue contains 0 packets.
INFO: JIT queue contains 0 beacons.
GPS IS DISABLED!
[PERFORMANCE]
Upstream radio packet quality: 100.00%.
Semtech status report send.
END
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:201698Âµs) - drift=-895Âµs
INFO: Enabling GPS mode for concentrator's counter.

2017-05-18 21:05:54 GMT
[UPSTREAM]
RF packets received by concentrator: 0
CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
RF packets forwarded: 0 (0 bytes)
PUSH_DATA datagrams sent: 0 (0 bytes)
PUSH_DATA acknowledged: 0.00%
[DOWNSTREAM]
PULL_DATA sent: 0 (0.00% acknowledged)

```
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 35 3 7 3d
lgw_receive:1184: [0 17]
Note: LoRa packet

##### 2017-05-18 21:06:24 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:197914Âµs) - drift=-3784Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 82 3 5 15
lgw_receive:1184: [2 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 21:06:54 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
```

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 21:07:24 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:199934Âµs) - drift=2020Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 21:07:54 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 21:08:24 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
```

```
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:199046Âµs) – drift=-888Âµs
INFO: Enabling GPS mode for concentrator's counter.


lgw_receive:1165: FIFO content: 1 a7 3 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 21:08:54 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


##### 2017-05-18 21:09:24 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success


INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:198159Âµs) – drift=-887Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 21:09:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 21:10:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:197274µs) - drift=-885µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 cc 3 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 21:10:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
```

```
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f1 3 7 6b
lgw_receive:1184: [3 17]
Note: LoRa packet


##### 2017-05-18 21:11:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:196381Âµs) - drift=-893Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 21:11:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 6c 0 7 34
lgw_receive:1184: [7 17]
Note: LoRa packet
```

```
##### 2017-05-18 21:12:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:195488Âµs) – drift=-893Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 b0 0 5 15
lgw_receive:1184: [7 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 21:12:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 21:13:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
```

```
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:194611Âµs) - drift=-877Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 21:13:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d5 0 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 21:14:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:193718Âµs) - drift=-893Âµs
```

```
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 21:14:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 fa 0 7 65
lgw_receive:1184: [7 17]
Note: LoRa packet

##### 2017-05-18 21:15:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:192831µs) - drift=-887µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 21:15:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
```

```
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 6f 1 7 9d
lgw_receive:1184: [5 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 1c 2 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 21:16:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:191945µs) - drift=-886µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 41 2 7 6a
lgw_receive:1184: [4 17]
Note: LoRa packet

##### 2017-05-18 21:16:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
```

```
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 21:17:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:191061µs) – drift=-884µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 21:17:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 bb 2 5 15
lgw_receive:1184: [5 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 21:18:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
```

```
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:190172µs) - drift=-889µs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 e0 2 7 5f
lgw_receive:1184: [5 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 4f 3 7 5f
lgw_receive:1184: [5 17]
Note: LoRa packet

##### 2017-05-18 21:18:55 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 21:19:25 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
```

```
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:189287Âµs) - drift=-885Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 be 3 7 5d
lgw_receive:1184: [1 17]
Note: LoRa packet

##### 2017-05-18 21:19:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 2b 0 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 21:20:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:188405Âµs) - drift=-882Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 21:20:56 GMT #####
```

```
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 21:21:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:187506Âµs) – drift=-899Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 50 0 5 15
lgw_receive:1184: [6 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 21:21:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
```

```
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 21:22:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:186624µs) – drift=-882µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 21:22:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 21:23:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
```

```
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:185725Âµs) – drift=-899Âµs
INFO: Enabling GPS mode for concentrator's counter.

lgw_receive:1165: FIFO content: 1 75 0 7 4a
lgw_receive:1184: [0 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 cf 0 5 15
lgw_receive:1184: [1 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

##### 2017-05-18 21:23:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 f4 0 7 ae
lgw_receive:1184: [4 17]
Note: LoRa packet

##### 2017-05-18 21:24:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
```

```
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:182104Âµs) – drift=-3621Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 21:24:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:183959Âµs) – drift=1855Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 21:25:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 b2 1 5 15
lgw_receive:1184: [3 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
```

```
##### 2017-05-18 21:25:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:183073Âµs) – drift=-886Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 21:26:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 21:26:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
```

```
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 d7 1 7 fb
lgw_receive:1184: [8 16]
Note: LoRa packet

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:182175Âµs) - drift=-898Âµs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 21:27:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 0.00%, CRC_FAIL: 100.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 e2 2 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"


##### 2017-05-18 21:27:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:181286Âµs) - drift=-889Âµs
INFO: Enabling GPS mode for concentrator's counter.
```

```
##### 2017-05-18 21:28:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 21:28:56 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 7 3 5 15
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:180409µs) - drift=-877µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 21:29:26 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 1
# CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (21 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
```

```
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 100.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

##### 2017-05-18 21:29:57 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
INFO: host/sx1301 time offset=(1495141051s:188820µs) - drift=8411µs
INFO: Enabling GPS mode for concentrator's counter.


##### 2017-05-18 21:30:27 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 0
# CRC_OK: 0.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
# RF packets forwarded: 0 (0 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 0.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success
lgw_receive:1165: FIFO content: 1 2c 3 7 e3
lgw_receive:1184: [3 17]
Note: LoRa packet
lgw_receive:1165: FIFO content: 1 1f 0 5 10
lgw_receive:1184: [0 17]
Note: LoRa packet
INFO: [up] TTN lora packet send to server "bridge.eu.thethings.network"
```

```
INFO: [down] TTN received downlink with payload
INFO: [TTN] downlink 14 bytes


##### 2017-05-18 21:30:57 GMT #####
### [UPSTREAM] ###
# RF packets received by concentrator: 2
# CRC_OK: 50.00%, CRC_FAIL: 50.00%, NO_CRC: 0.00%
# RF packets forwarded: 1 (16 bytes)
# PUSH_DATA datagrams sent: 0 (0 bytes)
# PUSH_DATA acknowledged: 0.00%
### [DOWNSTREAM] ###
# PULL_DATA sent: 0 (0.00% acknowledged)
# PULL_RESP(onse) datagrams received: 0 (0 bytes)
# RF packets sent to concentrator: 0 (0 bytes)
# TX errors: 0
# TX rejected (collision packet): 0.00% (req:1, rej:0)
# TX rejected (collision beacon): 0.00% (req:1, rej:0)
# TX rejected (too late): 0.00% (req:1, rej:0)
# TX rejected (too early): 0.00% (req:1, rej:0)
### BEACON IS DISABLED!
### [JIT] ###
# INFO: JIT queue contains 0 packets.
# INFO: JIT queue contains 0 beacons.
### GPS IS DISABLED!
### [PERFORMANCE] ###
# Upstream radio packet quality: 50.00%.
# Semtech status report send.
##### END #####
INFO: [status] TTN send status success

INFO: Disabling GPS mode for concentrator's counter...
```