Now running only\_diagnostic.ino on Logger Dev\_logger\_001

Using ModularSensors Library version 0.23.4

Logger timezone is set to UTC

RTC timezone is set to UTC

Current RTC time is: 2019-08-15T06:41:17Z

All variable UUID's appear to be correctly formed.

This logger has a variable array with 4 variables, of which 4 come from 3 sensors and 0 are calculated.

Logger portion of setup finished.

Setting pin 23 high to wake GPRSBeeR6 <--Sodaq2GBeeR6

Attempting to connect to the internet and synchronize RTC with NIST

Waiting for SIMCOM SIM800H to respond to AT commands... <--Sodaq2GBeeR6

... AT OK after 22 milliseconds! <--Sodaq2GBeeR6

Waiting up to 120 seconds for cellular network registration... <--Sodaq2GBeeR6

... Registered after 6375 milliseconds. Connecting to GPRS... <--Sodaq2GBeeR6

... Connected after 12015 milliseconds. <--Sodaq2GBeeR6

Connecting to NIST daytime Server <--Sodaq2GBeeR6

NIST responded after 358 ms <--Sodaq2GBeeR6

Clock already within 5 seconds of time.

Setting up sensors...

Sending pin 23 low to stop GPRSBeeR6 <--Sodaq2GBeeR6

Data will be saved as Dev\_logger\_001\_2019-08-15.csv

Putting processor to sleep

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Setting pin 23 high to wake GPRSBeeR6 <--Sodaq2GBeeR6

Getting signal quality: <--Sodaq2GBeeR6

Raw signal quality: 15 <--Sodaq2GBeeR6

RSSI Estimated from CSQ: -83 <--Sodaq2GBeeR6

Signal percent calcuated from CSQ: 48 <--Sodaq2GBeeR6

Getting modem battery data: <--Sodaq2GBeeR6

This modem doesn't return temperature! <--Sodaq2GBeeR6

\/---- Line Saved to SD Card ----\/

2019-08-15 06:42:00,4.776,23.75,-83,48

Waiting for SIMCOM SIM800H to respond to AT commands... <--Sodaq2GBeeR6

... AT OK after 20 milliseconds! <--Sodaq2GBeeR6

Waiting up to 50 seconds for cellular network registration... <--Sodaq2GBeeR6

... Registered after 71 milliseconds. Connecting to GPRS... <--Sodaq2GBeeR6

... Connected after 4499 milliseconds. <--Sodaq2GBeeR6

Sending data to data.envirodiy.org

Current TX Buffer Size: 31 <--dataPublisherBase

Current TX Buffer Size: 57 <--dataPublisherBase

Current TX Buffer Size: 102 <--dataPublisherBase

Current TX Buffer Size: 123 <--dataPublisherBase

Current TX Buffer Size: 159 <--dataPublisherBase

Current TX Buffer Size: 180 <--dataPublisherBase

Current TX Buffer Size: 216 <--dataPublisherBase

Current TX Buffer Size: 253 <--dataPublisherBase

Current TX Buffer Size: 298 <--dataPublisherBase

Current TX Buffer Size: 343 <--dataPublisherBase

Current TX Buffer Size: 386 <--dataPublisherBase

POST /api/data-stream/ HTTP/1.1

Host: data.envirodiy.org

TOKEN: 99a84bf2-7304-4ed9-83b8-8005daab3ffb

Content-Length: 274

Content-Type: application/json

{"sampling\_feature":"cb3c44a7-4785-42c9-b75a-00a976adf5ac","timestamp":"2019-08-15T06:42:00Z","2b5aeb3b-9110-41c9-be44-2b7ced42bfea":4.776,"93f386f0-535f-4e35-8b5b-cb7eba6f55c0":23.75,"0b3cccc4-ad7f-4859-8153-121a36f1eb7d":-83,"28cc3afc-4d96-4d72-8df7-2db766cf0ab7":48}

Dumping the TX Buffer <--dataPublisherBase

-- Response Code --

504

Sending pin 23 low to stop GPRSBeeR6 <--Sodaq2GBeeR6

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Setting pin 23 high to wake GPRSBeeR6 <--Sodaq2GBeeR6

Getting signal quality: <--Sodaq2GBeeR6

Raw signal quality: 17 <--Sodaq2GBeeR6

RSSI Estimated from CSQ: -79 <--Sodaq2GBeeR6

Signal percent calcuated from CSQ: 55 <--Sodaq2GBeeR6

Getting modem battery data: <--Sodaq2GBeeR6

This modem doesn't return temperature! <--Sodaq2GBeeR6

\/---- Line Saved to SD Card ----\/

2019-08-15 06:43:00,4.745,23.75,-79,55

Waiting for SIMCOM SIM800H to respond to AT commands... <--Sodaq2GBeeR6

... AT OK after 20 milliseconds! <--Sodaq2GBeeR6

Waiting up to 50 seconds for cellular network registration... <--Sodaq2GBeeR6

... Registered after 72 milliseconds. Connecting to GPRS... <--Sodaq2GBeeR6

... Connected after 20324 milliseconds. <--Sodaq2GBeeR6

Sending data to data.envirodiy.org

Current TX Buffer Size: 31 <--dataPublisherBase

Current TX Buffer Size: 57 <--dataPublisherBase

Current TX Buffer Size: 102 <--dataPublisherBase

Current TX Buffer Size: 123 <--dataPublisherBase

Current TX Buffer Size: 159 <--dataPublisherBase

Current TX Buffer Size: 180 <--dataPublisherBase

Current TX Buffer Size: 216 <--dataPublisherBase

Current TX Buffer Size: 253 <--dataPublisherBase

Current TX Buffer Size: 298 <--dataPublisherBase

Current TX Buffer Size: 343 <--dataPublisherBase

Current TX Buffer Size: 386 <--dataPublisherBase

POST /api/data-stream/ HTTP/1.1

Host: data.envirodiy.org

TOKEN: 99a84bf2-7304-4ed9-83b8-8005daab3ffb

Content-Length: 274

Content-Type: application/json

{"sampling\_feature":"cb3c44a7-4785-42c9-b75a-00a976adf5ac","timestamp":"2019-08-15T06:43:00Z","2b5aeb3b-9110-41c9-be44-2b7ced42bfea":4.745,"93f386f0-535f-4e35-8b5b-cb7eba6f55c0":23.75,"0b3cccc4-ad7f-4859-8153-121a36f1eb7d":-79,"28cc3afc-4d96-4d72-8df7-2db766cf0ab7":55}

Dumping the TX Buffer <--dataPublisherBase

-- Response Code --

504

Sending pin 23 low to stop GPRSBeeR6 <--Sodaq2GBeeR6

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Setting pin 23 high to wake GPRSBeeR6 <--Sodaq2GBeeR6

Getting signal quality: <--Sodaq2GBeeR6

Raw signal quality: 16 <--Sodaq2GBeeR6

RSSI Estimated from CSQ: -81 <--Sodaq2GBeeR6

Signal percent calcuated from CSQ: 52 <--Sodaq2GBeeR6

Getting modem battery data: <--Sodaq2GBeeR6

This modem doesn't return temperature! <--Sodaq2GBeeR6

\/---- Line Saved to SD Card ----\/

2019-08-15 06:44:00,4.745,24.00,-81,52

Waiting for SIMCOM SIM800H to respond to AT commands... <--Sodaq2GBeeR6

... AT OK after 18 milliseconds! <--Sodaq2GBeeR6

Waiting up to 50 seconds for cellular network registration... <--Sodaq2GBeeR6

... Registered after 69 milliseconds. Connecting to GPRS... <--Sodaq2GBeeR6

... Connected after 4229 milliseconds. <--Sodaq2GBeeR6

Sending data to data.envirodiy.org

Current TX Buffer Size: 31 <--dataPublisherBase

Current TX Buffer Size: 57 <--dataPublisherBase

Current TX Buffer Size: 102 <--dataPublisherBase

Current TX Buffer Size: 123 <--dataPublisherBase

Current TX Buffer Size: 159 <--dataPublisherBase

Current TX Buffer Size: 180 <--dataPublisherBase

Current TX Buffer Size: 216 <--dataPublisherBase

Current TX Buffer Size: 253 <--dataPublisherBase

Current TX Buffer Size: 298 <--dataPublisherBase

Current TX Buffer Size: 343 <--dataPublisherBase

Current TX Buffer Size: 386 <--dataPublisherBase

POST /api/data-stream/ HTTP/1.1

Host: data.envirodiy.org

TOKEN: 99a84bf2-7304-4ed9-83b8-8005daab3ffb

Content-Length: 274

Content-Type: application/json

{"sampling\_feature":"cb3c44a7-4785-42c9-b75a-00a976adf5ac","timestamp":"2019-08-15T06:44:00Z","2b5aeb3b-9110-41c9-be44-2b7ced42bfea":4.745,"93f386f0-535f-4e35-8b5b-cb7eba6f55c0":24.00,"0b3cccc4-ad7f-4859-8153-121a36f1eb7d":-81,"28cc3afc-4d96-4d72-8df7-2db766cf0ab7":52}

Dumping the TX Buffer <--dataPublisherBase

-- Response Code --

504

Sending pin 23 low to stop GPRSBeeR6 <--Sodaq2GBeeR6

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