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: 2019-08-15T08:18:49Z

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.

AT

AT

AT

AT

AT

AT

AT

AT

AT

AT

AT

AT

AT

OK

AT&FZ

AT&FZ

OK

ATE0

RDY

+CFUN: 1

ATE0

OK

AT+CPIN?

ERROR

AT+CPIN?

+CPIN: READY

+CPIN: READY

OK

AT+GMM

SIMCOM\_SIM800H

OK

Attempting to connect to the internet and synchronize RTC with NIST

AT

OK

AT+CREG?

Call Ready

+CREG: 0,2

OK

AT+CREG?

+CREG: 0,2

OK

AT+CREG?

SMS Ready

+CREG: 0,2

OK

AT+CREG?

+CREG: 0,2

OK

AT+CREG?

+CREG: 0,2

OK

AT+CREG?

+CREG: 0,2

OK

AT+CREG?

+CREG: 0,2

OK

AT+CREG?

+CREG: 0,2

OK

AT+CREG?

+CREG: 0,2

OK

AT+CREG?

+CREG: 0,2

OK

AT+CREG?

+CREG: 0,2

OK

AT+CREG?

+CREG: 0,2

OK

AT+CREG?

+CREG: 0,2

OK

AT+CREG?

+CREG: 0,2

OK

AT+CREG?

+CREG: 0,2

OK

AT+CREG?

+CREG: 0,2

OK

AT+CREG?

+CREG: 0,2

OK

AT+CREG?

+CREG: 0,2

OK

AT+CREG?

+CREG: 0,2

OK

AT+CREG?

+CREG: 0,2

OK

AT+CREG?

+CREG: 0,2

OK

AT+CREG?

+CREG: 0,5

OK

AT+CIPSHUT

SHUT OK

AT+CGATT=0

OK

AT+SAPBR=3,1,"Contype","GPRS"

OK

AT+SAPBR=3,1,"APN","hologram"

OK

AT+CGDCONT=1,"IP","hologram"

OK

AT+CGACT=1,1

OK

AT+SAPBR=1,1

OK

AT+SAPBR=2,1

+SAPBR: 1,1,"10.171.34.243"

OK

AT+CGATT=1

OK

AT+CIPMUX=1

OK

AT+CIPQSEND=1

OK

AT+CIPRXGET=1

OK

AT+CSTT="hologram","",""

OK

AT+CIICR

OK

AT+CIFSR;E0

10.171.34.243

OK

AT+CDNSCFG="8.8.8.8","8.8.4.4"

OK

AT+CGATT?

+CGATT: 1

OK

AT+CIFSR;E0

10.171.34.243

OK

AT+CIPCLOSE=1,1

ERROR

AT+CIPSSL=0

OK

AT+CIPSTART=1,"TCP","time.nist.gov",37

OK

1, CONNECT OK

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","129.6.15.30","37","CONNECTED"

OK

+CIPRXGET: 1,1

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,4

OK

AT+CIPRXGET=2,1,4

+CIPRXGET: 2,1,4,0

⸮⸮⸮

OK

Clock already within 5 seconds of time.

Setting up sensors...

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

Putting processor to sleep

------------------------------------------

AT

AT

AT

AT

AT

AT

AT

AT

AT

AT

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,0

OK

AT+CSQ

AT+CSQ

+CSQ: 0,0

OK

AT

RDY

+CFUN: 1

AT

OK

AT

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,4

OK

AT+CSQ

AT+CSQ

+CSQ: 0,0

OK

AT

AT

OK

AT

+CPIN: READY

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,2

OK

AT+CSQ

AT+CSQ

+CSQ: 0,0

OK

AT

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,2

OK

AT+CSQ

AT+CSQ

+CSQ: 0,0

OK

AT

Call Ready

AT

OK

AT

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,2

OK

AT+CSQ

AT+CSQ

+CSQ: 0,0

OK

AT

SMS Ready

AT

OK

AT

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,2

OK

AT+CSQ

AT+CSQ

+CSQ: 0,0

OK

AT

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,2

OK

AT+CSQ

AT+CSQ

+CSQ: 0,0

OK

AT

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,2

OK

AT+CSQ

AT+CSQ

+CSQ: 0,0

OK

AT

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,2

OK

AT+CSQ

AT+CSQ

+CSQ: 0,0OK

AT

AT

OK

AT

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,2

OK

AT+CSQ

AT+CSQ

+CSQ: 0,0

OK

AT

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,2

OK

AT+CSQ

AT+CSQ

+CSQ: 0,0

OK

AT

AT

OK

AT

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,2

OK

AT+CSQ

AT+CSQ

+CSQ: 0,0

OK

AT

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,2

OK

AT+CSQ

AT+CSQ

+CSQ: 0,0

OK

AT

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,2

OK

AT+CSQ

AT+CSQ

+CSQ: 0,0

OK

AT

AT

OK

AT

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,2

OK

AT+CSQ

AT+CSQ

+CSQ: 0,0

OK

AT

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,2

OK

AT+CSQ

AT+CSQ

+CSQ: 18,0

OK

AT

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,2

OK

AT+CSQ

AT+CSQ

+CSQ: 18,0

OK

AT

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,2

OK

AT+CSQ

AT+CSQ

+CSQ: 18,0

OK

AT

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,2

OK

AT+CSQ

AT+CSQ

+CSQ: 18,0

OK

AT

AT

OK

AT

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,2

OK

AT+CSQ

AT+CSQ

+CSQ: 18,0

OK

AT

AT

OK

AT

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,2

OK

AT+CSQ

AT+CSQ

+CSQ: 18,0

OK

AT

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,5

OK

AT+CSQ

AT+CSQ

+CSQ: 18,0

OK

AT+CSQ

AT+CSQ

+CSQ: 18,0

OK

AT+CBC?

AT+CBC?

ERROR

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

2019-08-15 08:20:00,4.776,24.50,-77,58

AT

AT

OK

AT+CREG?

AT+CREG?

+CREG: 0,5

OK

AT+CIPSHUT

AT+CIPSHUT

SHUT OK

AT+CGATT=0

AT+CGATT=0

OK

AT+SAPBR=3,1,"Contype","GPRS"

AT+SAPBR=3,1,"Contype","GPRS"

OK

AT+SAPBR=3,1,"APN","hologram"

AT+SAPBR=3,1,"APN","hologram"

OK

AT+CGDCONT=1,"IP","hologram"

AT+CGDCONT=1,"IP","hologram"

OK

AT+CGACT=1,1

AT+CGACT=1,1

OK

AT+SAPBR=1,1

AT+SAPBR=1,1

OK

AT+SAPBR=2,1

AT+SAPBR=2,1

+SAPBR: 1,1,"10.171.34.243"

OK

AT+CGATT=1

AT+CGATT=1

OK

AT+CIPMUX=1

AT+CIPMUX=1

OK

AT+CIPQSEND=1

AT+CIPQSEND=1

OK

AT+CIPRXGET=1

AT+CIPRXGET=1

OK

AT+CSTT="hologram","",""

AT+CSTT="hologram","",""

OK

AT+CIICR

AT+CIICR

OK

AT+CIFSR;E0

AT+CIFSR;E0

10.171.34.243

OK

AT+CDNSCFG="8.8.8.8","8.8.4.4"

OK

Sending data to data.envirodiy.org

Outgoing JSON size: 274 <--EnviroDIYPublisher

Connecting client <--EnviroDIYPublisher

AT+CIPCLOSE=1,1

ERROR

AT+CIPSSL=0

OK

AT+CIPSTART=1,"TCP","data.envirodiy.org",80

OK

1, CONNECT OK

Client connected after 1082 ms

<--EnviroDIYPublisher

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":"2019-08-15T08:20:00Z","2b5aeb3b-9110-41c9-be44-2b7ced42bfea":4.776,"93f386f0-535f-4e35-8b5b-cb7eba6f55c0":24.50,"0b3cccc4-ad7f-4859-8153-121a36f1eb7d":-77,"28cc3afc-4d96-4d72-8df7-2db766cf0ab7":58}

AT+CIPSEND=1,428

>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":"2019-08-15T08:20:00Z","2b5aeb3b-9110-41c9-be44-2b7ced42bfea":4.776,"93f386f0-535f-4e35-8b5b-cb7eba6f55c0":24.50,"0b3cccc4-ad7f-4859-8153-121a36f1eb7d":-77,"28cc3afc-4d96-4d72-8df7-2db766cf0ab7":58}

DATA ACCEPT:1,428

AT+CIPSEND=1,2

>

DATA ACCEPT:1,2

Dumping the TX Buffer <--dataPublisherBase

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","50.236.137.123","80","CONNECTED"

OK

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","50.236.137.123","80","CONNECTED"

OK

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","50.236.137.123","80","CONNECTED"

OK

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","50.236.137.123","80","CONNECTED"

OK

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","50.236.137.123","80","CONNECTED"

OK

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","50.236.137.123","80","CONNECTED"

OK

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","50.236.137.123","80","CONNECTED"

OK

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","50.236.137.123","80","CONNECTED"

OK

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","50.236.137.123","80","CONNECTED"

OK

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","50.236.137.123","80","CONNECTED"

OK

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","50.236.137.123","80","CONNECTED"

OK

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","50.236.137.123","80","CONNECTED"

OK

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","50.236.137.123","80","CONNECTED"

OK

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","50.236.137.123","80","CONNECTED"

OK

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","50.236.137.123","80","CONNECTED"

OK

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","50.236.137.123","80","CONNECTED"

OK

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","50.236.137.123","80","CONNECTED"

OK

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","50.236.137.123","80","CONNECTED"

OK

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","50.236.137.123","80","CONNECTED"

OK

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","50.236.137.123","80","CONNECTED"

OK

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","50.236.137.123","80","CONNECTED"

OK

AT+CIPRXGET=4,1

+CIPRXGET: 4,1,0

OK

AT+CIPSTATUS=1

+CIPSTATUS: 1,0,"TCP","50.236.137.123","80","CONNECTED"

OK

Stopping client <--EnviroDIYPublisher

AT+CIPCLOSE=1,1

1, CLOSE OK

Client stopped after 45 ms <--EnviroDIYPublisher

-- Response Code --

504

------------------------------------------