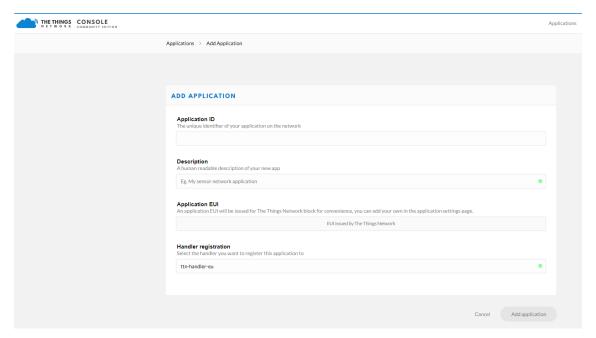
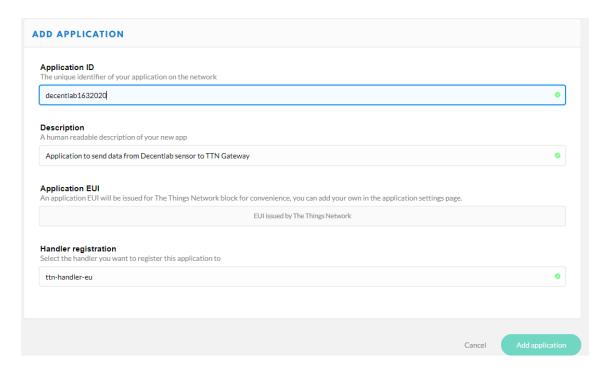
DECENTLAB and TTN

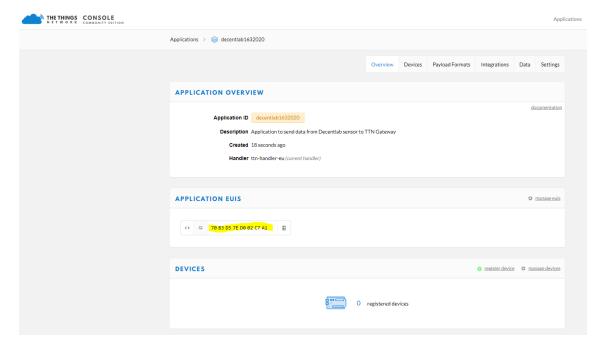
Let's connect to TTN

Create an application



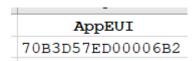


The Application EUI will be assigned by TTN

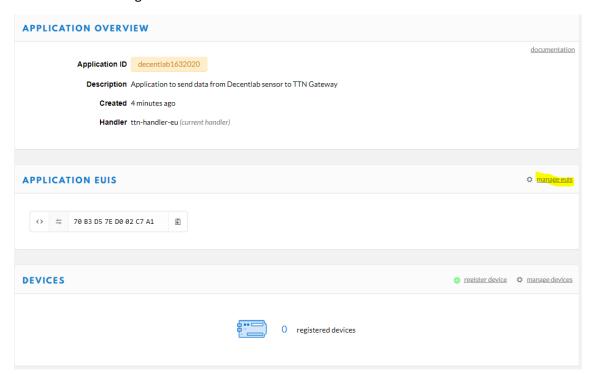


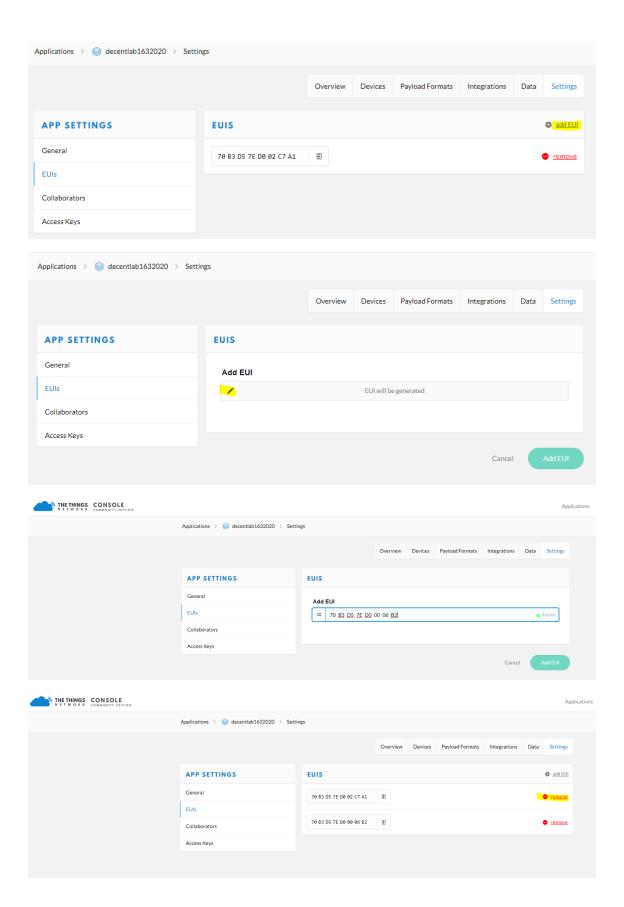
Application EUIS in yellow

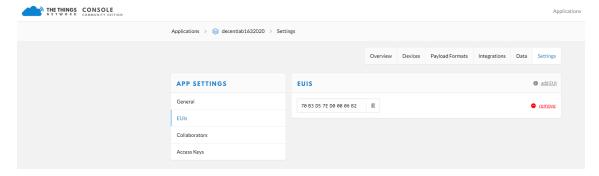
But this does not match with the data given by CATSENSORS



So we click on manage EUIS

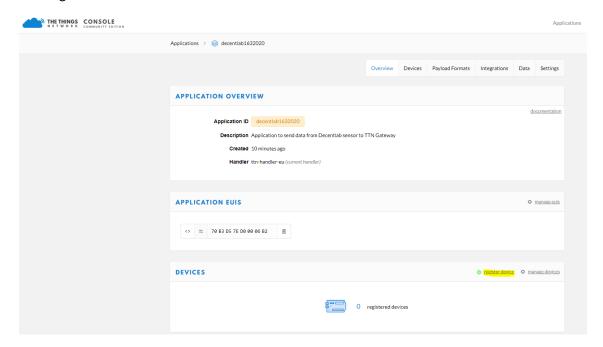


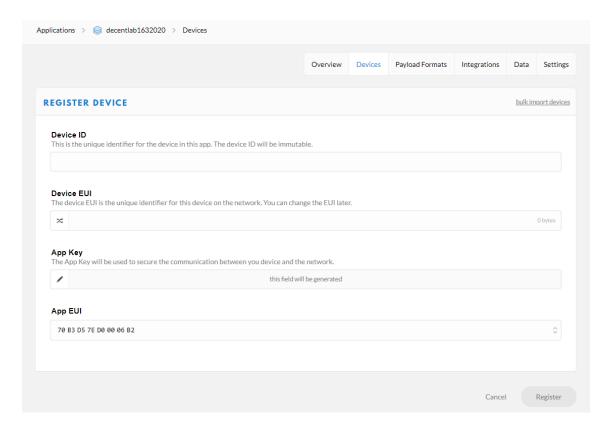




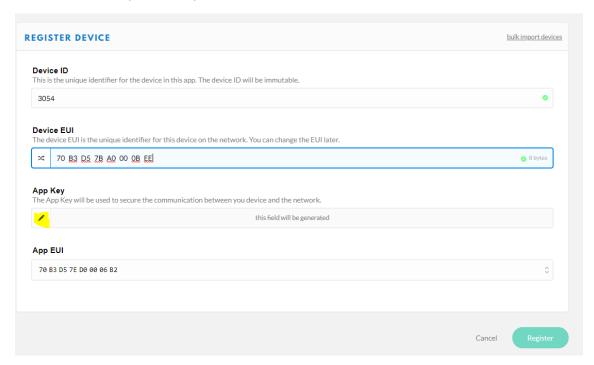
We go to overview

And register a device

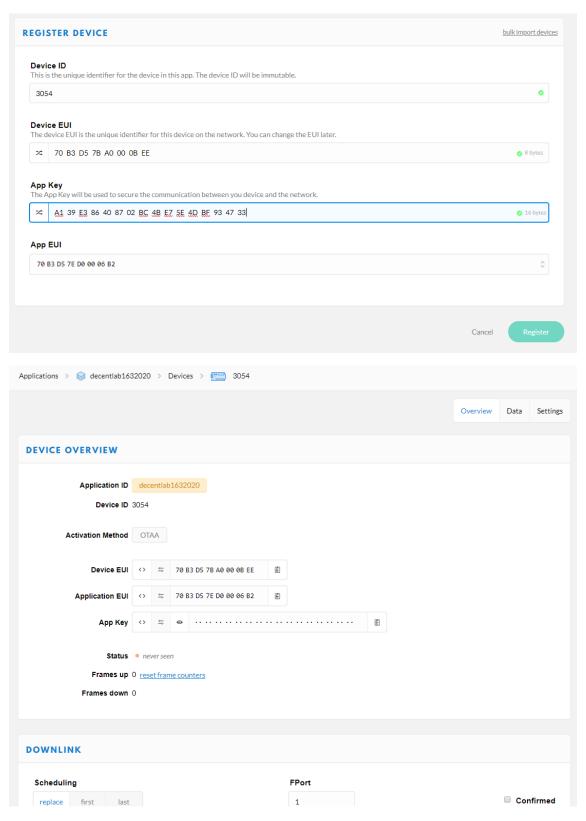




We enter the data provided by CATSENSORS



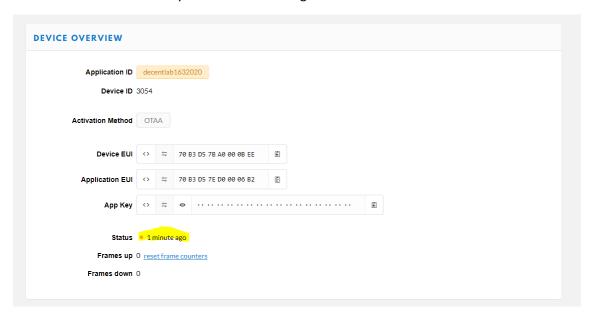
We click on the edit button on App Key field



We try to force an uplink with payload "A"

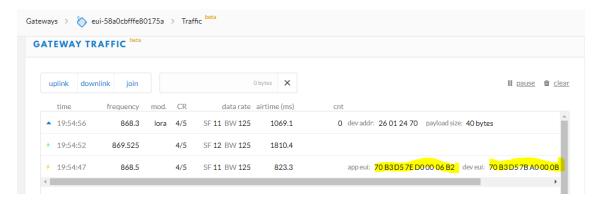


The device has been seen by TTN! One minute ago

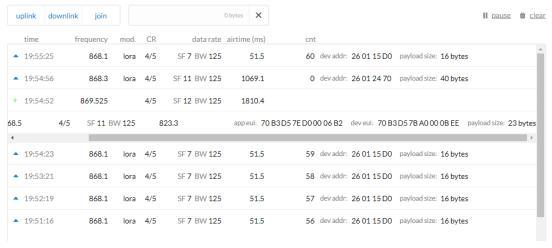


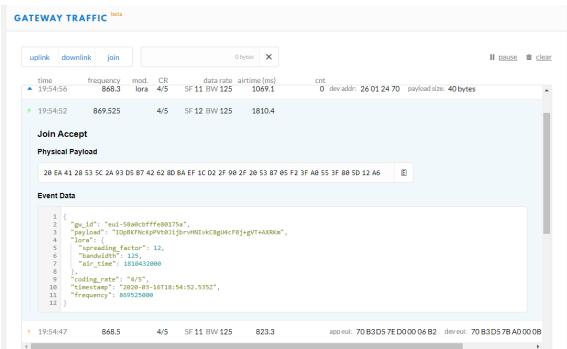
But the color is Orange on Status!

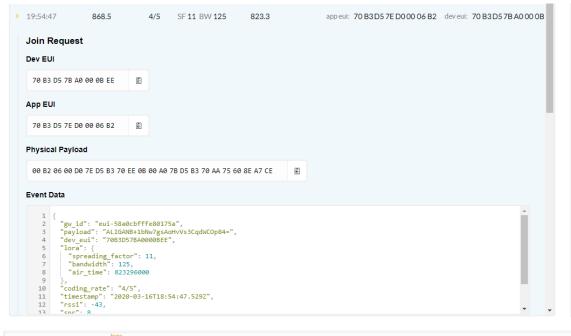
Here we have our uplink

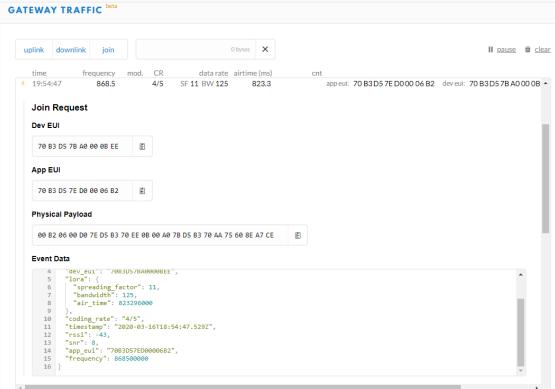


GATEWAY TRAFFIC beta

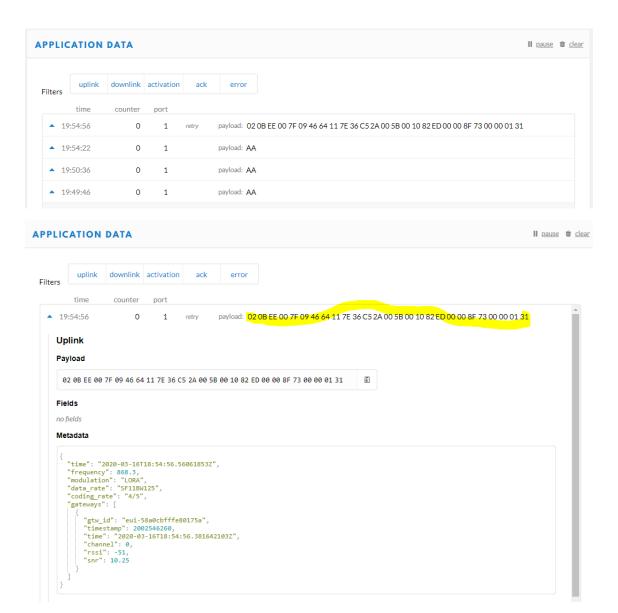






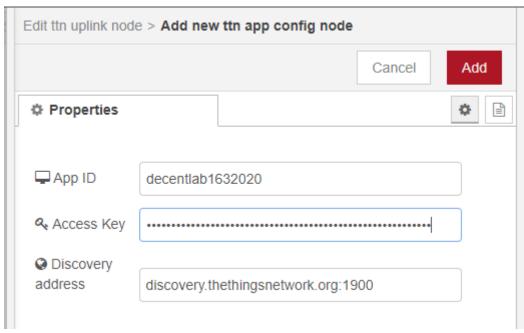


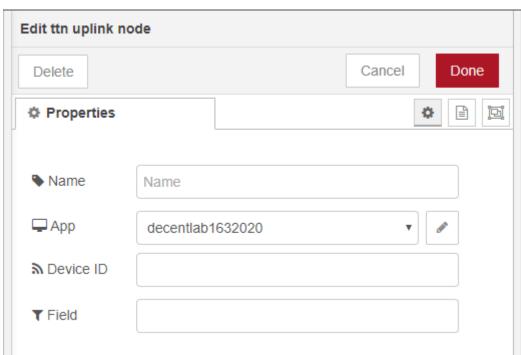
Here we have the data

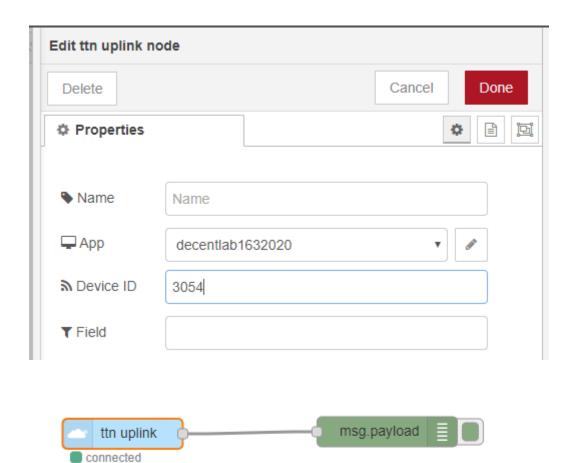


We get the data with node-red

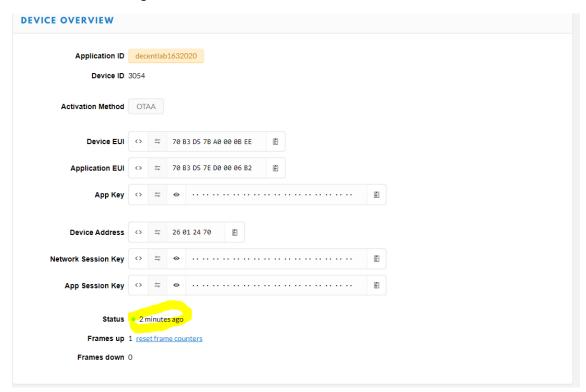




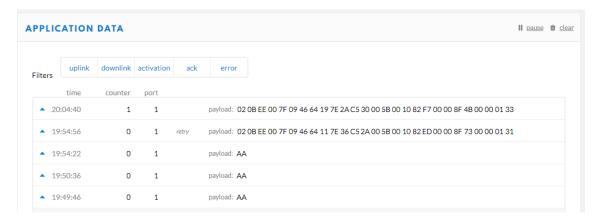




Now the status led is green

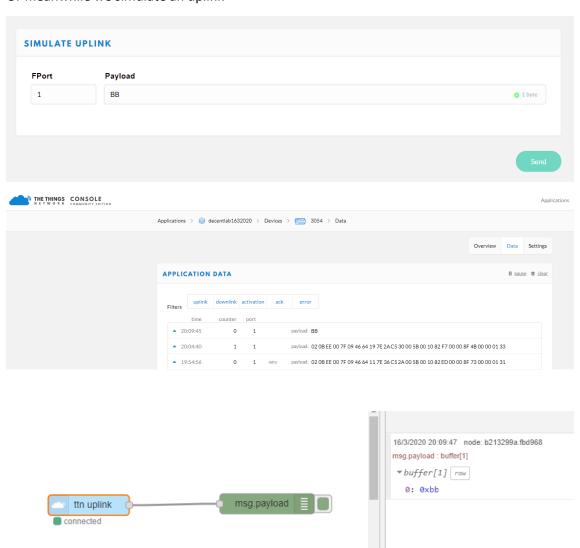


This is running each 10 minutes

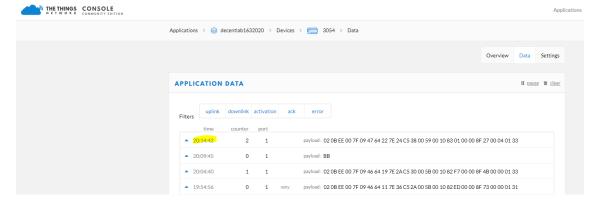


We wait until the next message is received

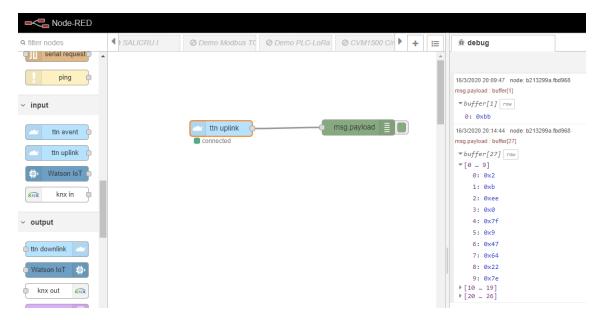
Or meanwhile we simulate an uplink



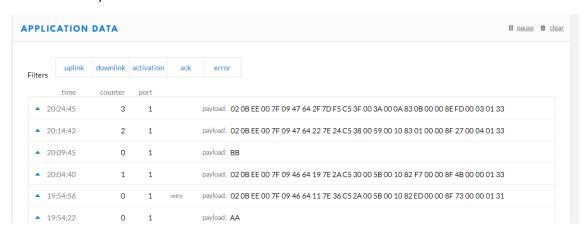
And finally, we receive the sensor data

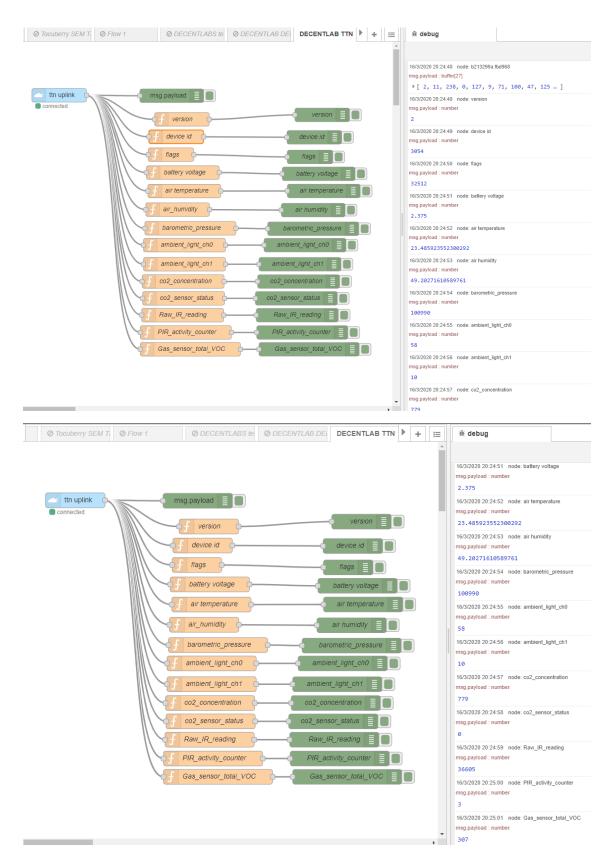


Here it is,

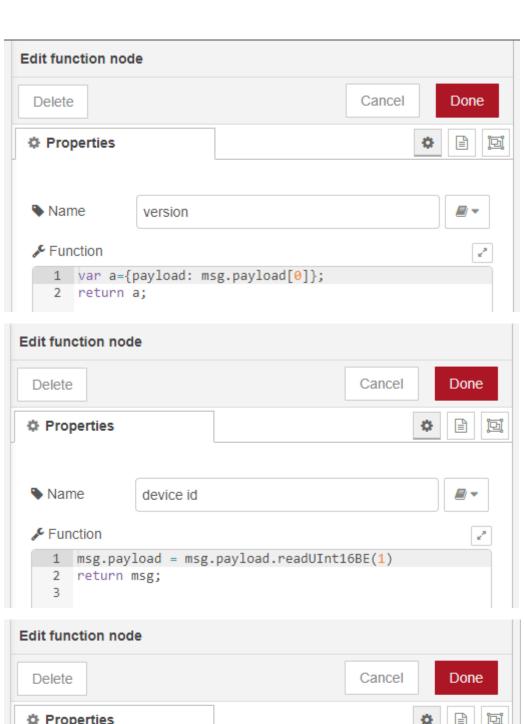


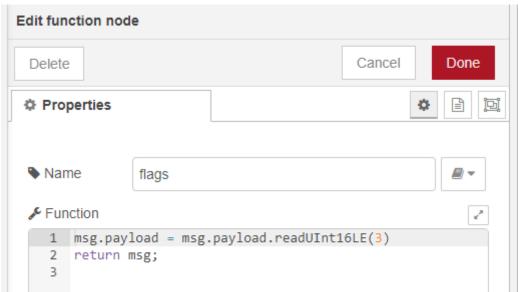
And we already know how to decode



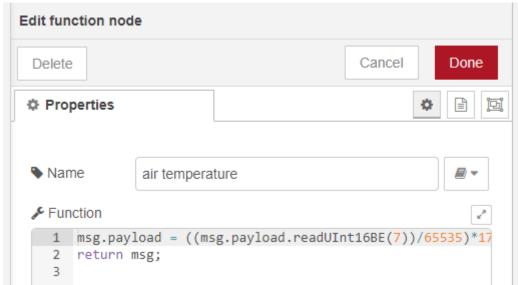


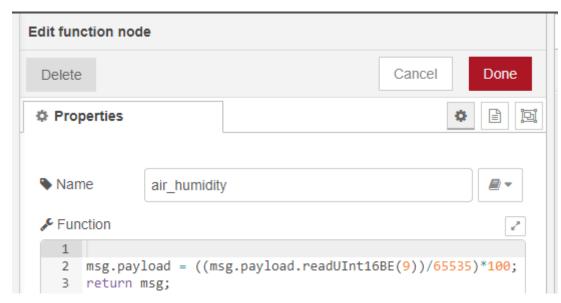
And the decoding nodes

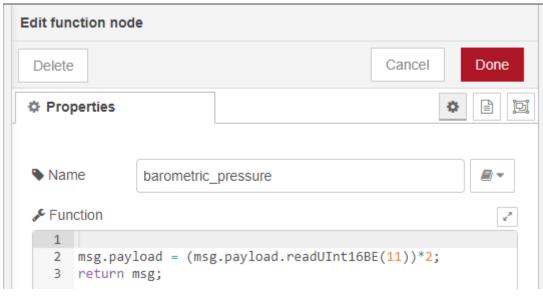




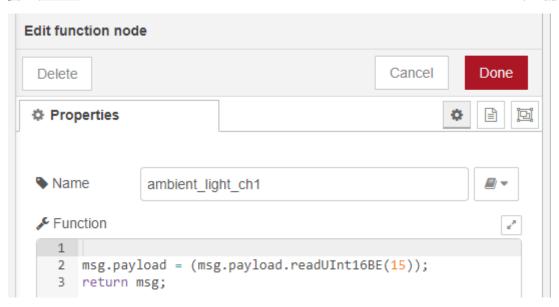
















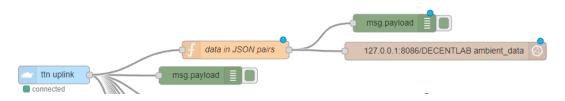


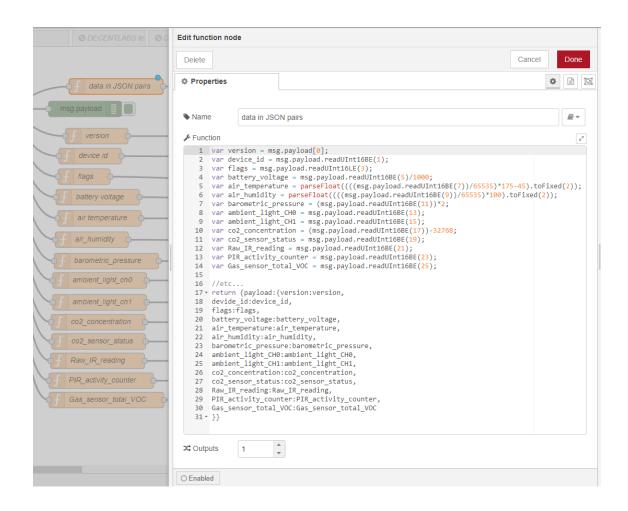


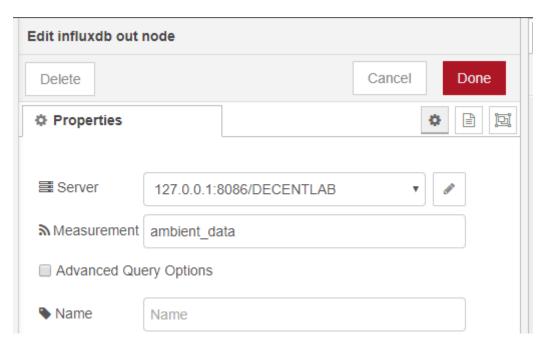


Next step is to register the data on a database

We already know how to do it







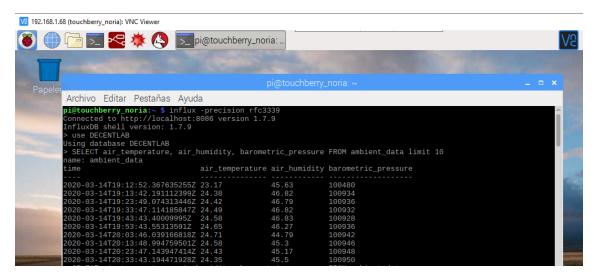
And lets add data to te database

After each inject every 10 minutes

Here we have the first message after setting up the database

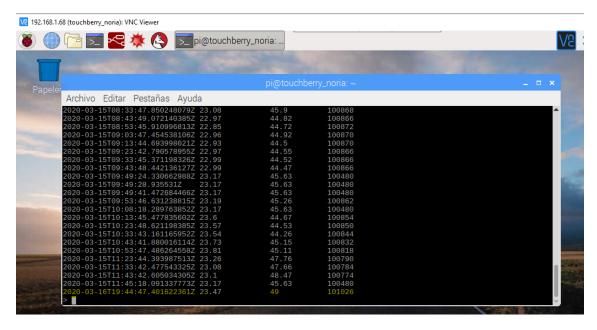


But where is my data?



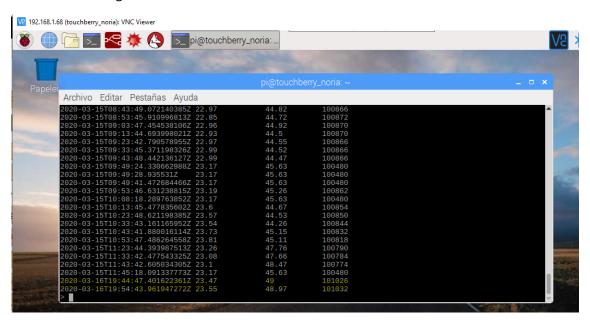
No panic, with limit 10 only the first 10 values are shown (old values)

Let's see last value



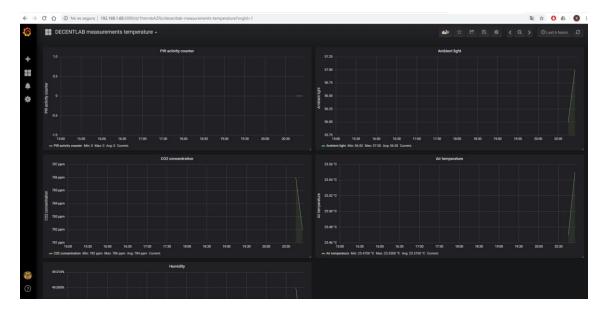
Yes there is may data

Yes data is arriving

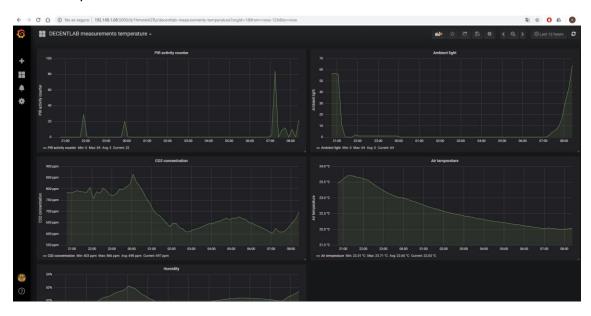


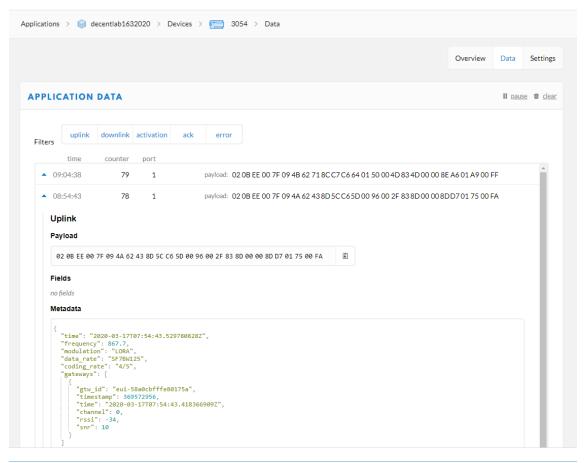
Now let's move to Grafana and wait the whole night

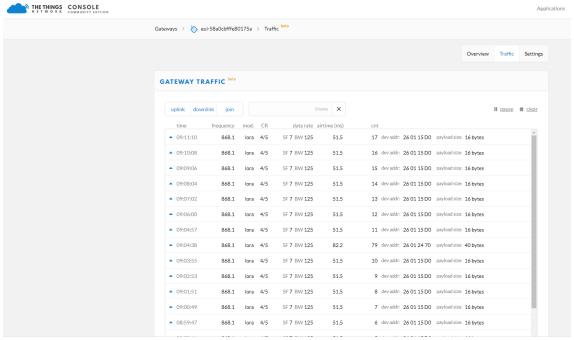
This is our first value from today at 20:44

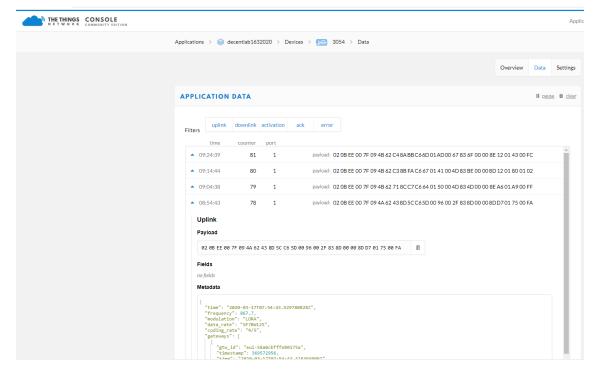


And the day after



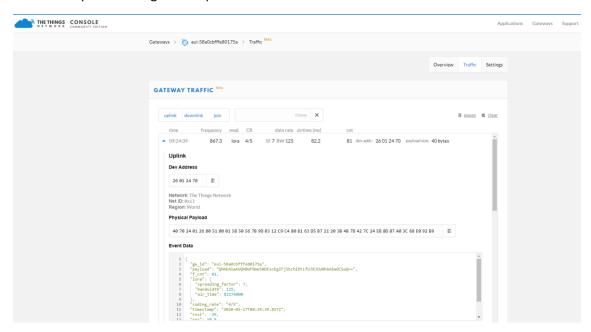






We see that the device Address is wrong!

Since this uplink message corresponds to the DECENTLAB sensor



And this uplink message corresponds to a Heltec LoRa node

