

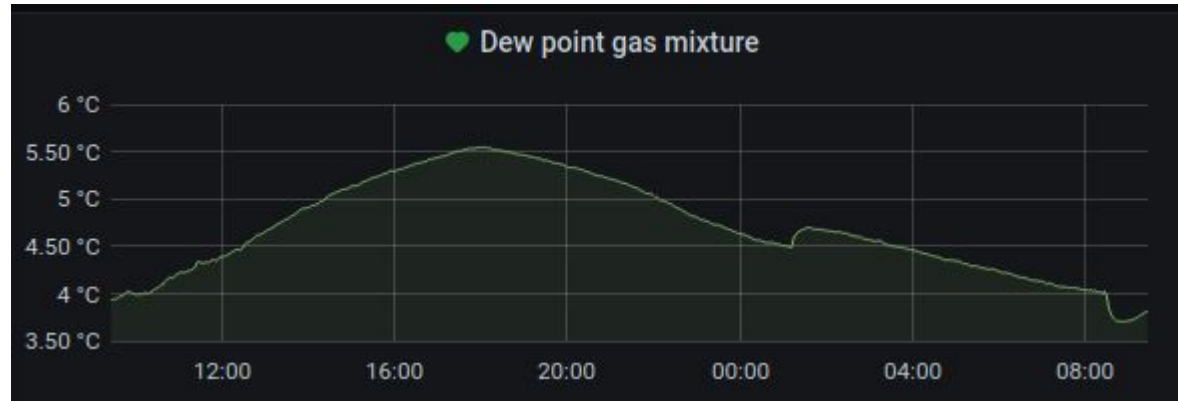
# Ecogas - Weekly shift report

Mapse Barroso Ferreira Filho

Eco-gas meeting - 03/03/2021

# Report: 26/Feb

- System at stability run.
- Dew point at  $\sim 5.5$  °C
- The HFO used liters was found in orange color. The value was 2.30 kL



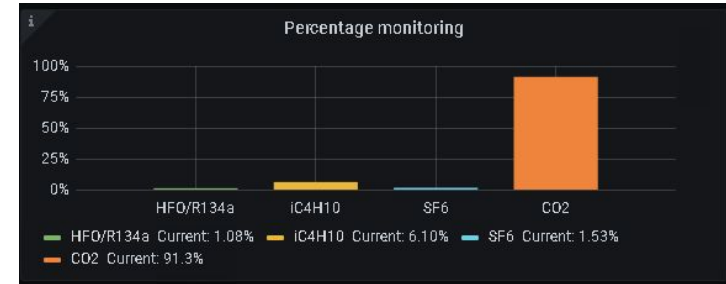
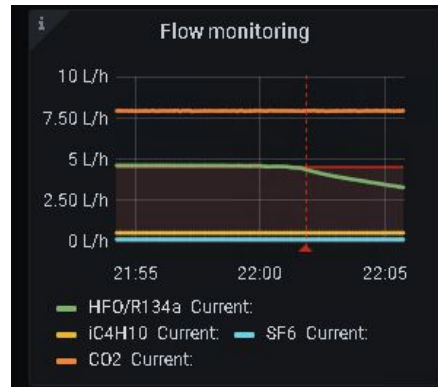
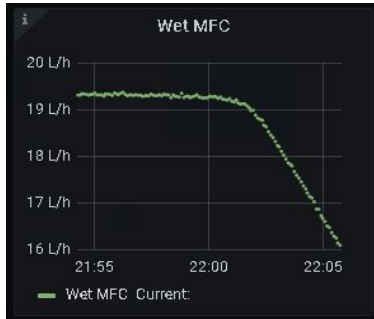
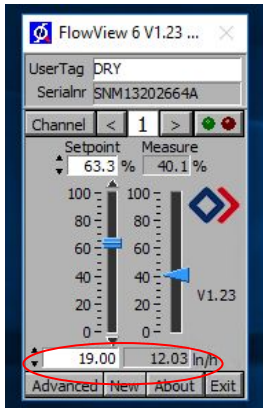
# Report: 27/Feb

- Dew point was  $\sim 5\text{ }^{\circ}\text{C}$  -> adjusted the dry mixture to 18.5 l/h and the value has been restored to more or less  $4\text{ }^{\circ}\text{C}$

# Report: 28/Feb

- Gas flow reducing since  $\sim 10\text{ pm}$  (27/Feb) -> HFO 2.47 k used Liters

HFO used liters  
**2.47 KL**



# Report: 01/March

- We replaced the HFO gas bottle (Thanks to Demetrio!)
- We calibrated the bottle valve next to the valve with 1.5 mb.
- See [elog](#).
- Dry gas mixture was adjusted to 18.20 L/h (60.7 %) - Dew point  $\sim 4^{\circ}\text{C}$

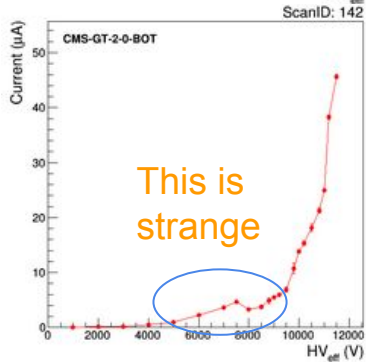
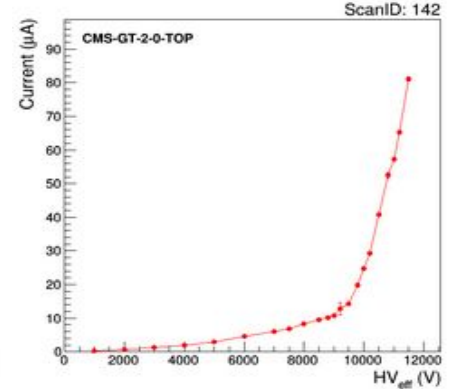
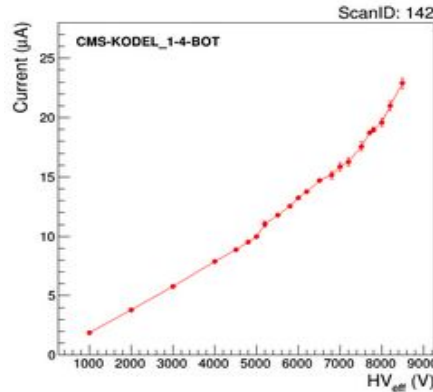
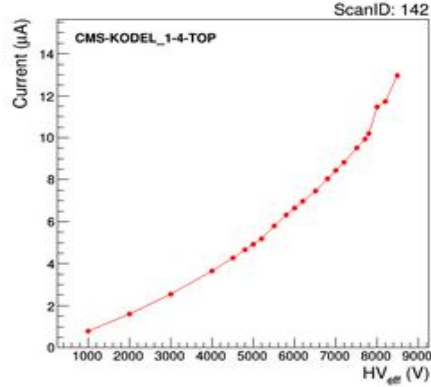
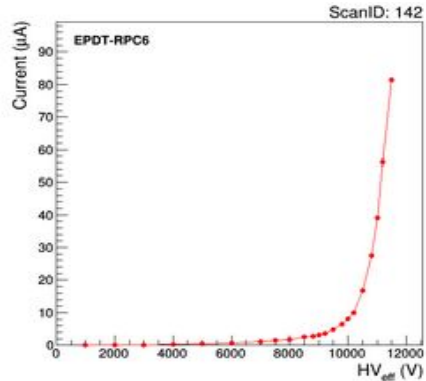


# Report: 02/March

- Source off for maintenance
- We did a High Voltage (HV) scan with the usual chambers: CMS-GT-2-0, CMS-KODEL\_1-4 and EPDT.
- HV scan:
  - ID: 142
  - Source OFF
  - 4 °C Dew point gas mixture
  - Waiting time (min): 1
  - Measuring time (min): 1
  - HV points: 22
  - Mixture: ECOGAS2
- For some reason *logger* was down. I restarted it and then adjusted the DRY flow to 17 L/h in order to reach 4°C for dew point.

# Report: 03/March

- Dew point was found  $\sim 3.45$  C
- Grafana without data: For some reason logger was down again.
- HV scan results:



We should compare different /HV scans in the same plot.

# Conclusions

- System seems behaving well
- Major issue was the HFO over. Other than this I did dew point regulations and the reset of logger on Ecogas laptop
- Thank you Gianluca for the support