

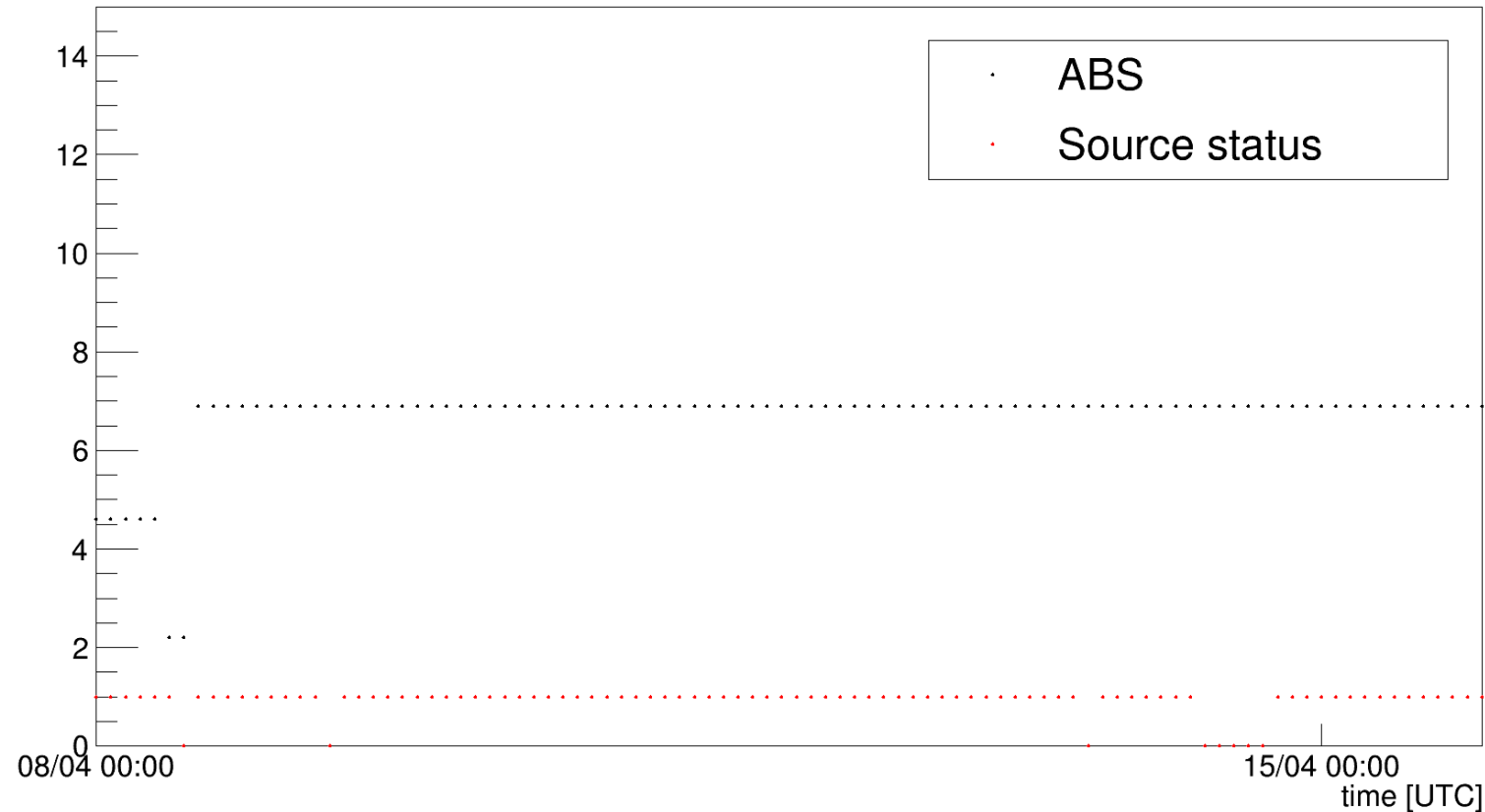


Weekly shift report – Luca Quaglia

15/04/2021

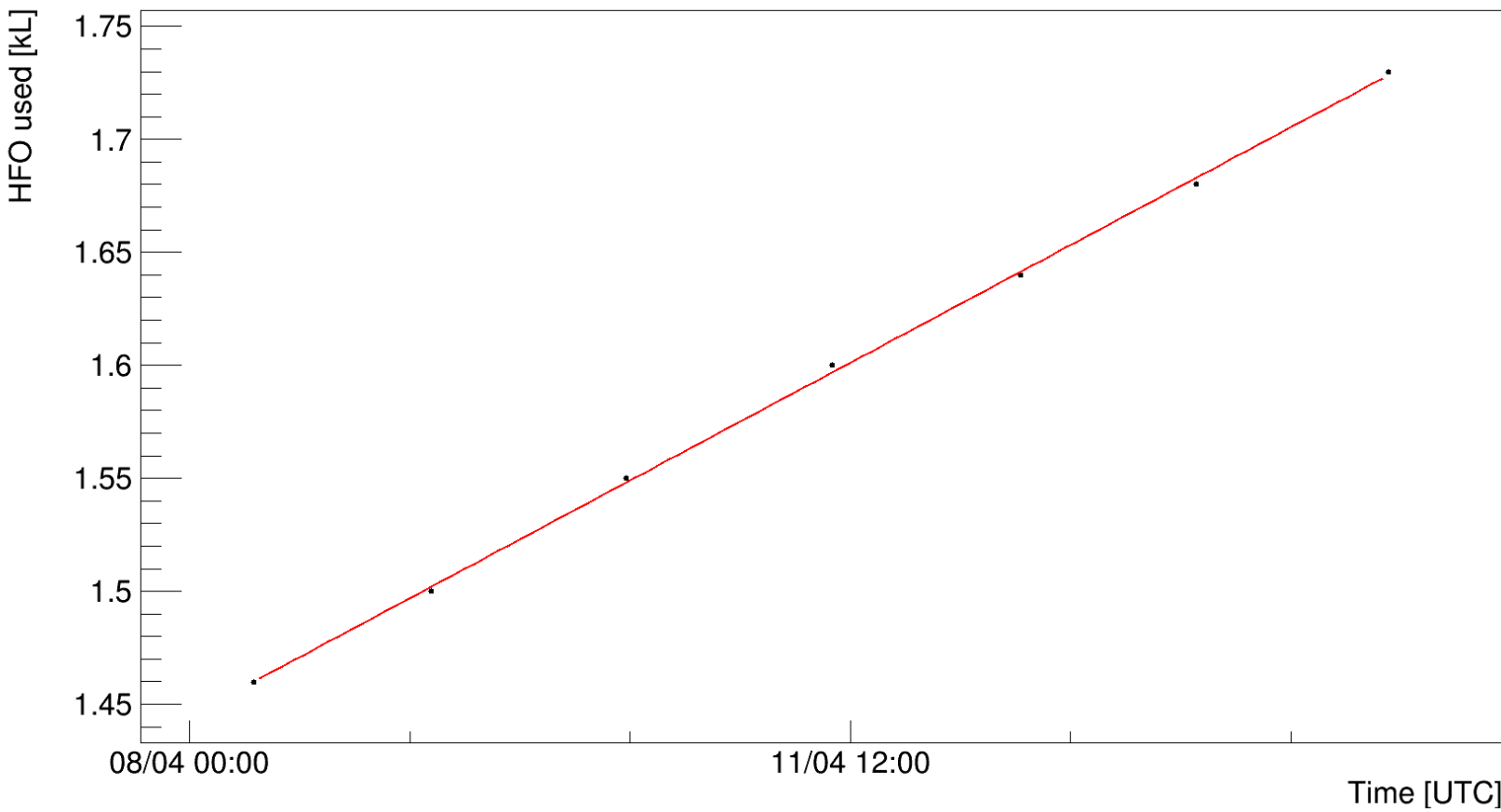
08/04/2021 - 14/04/2021

Source status during the week



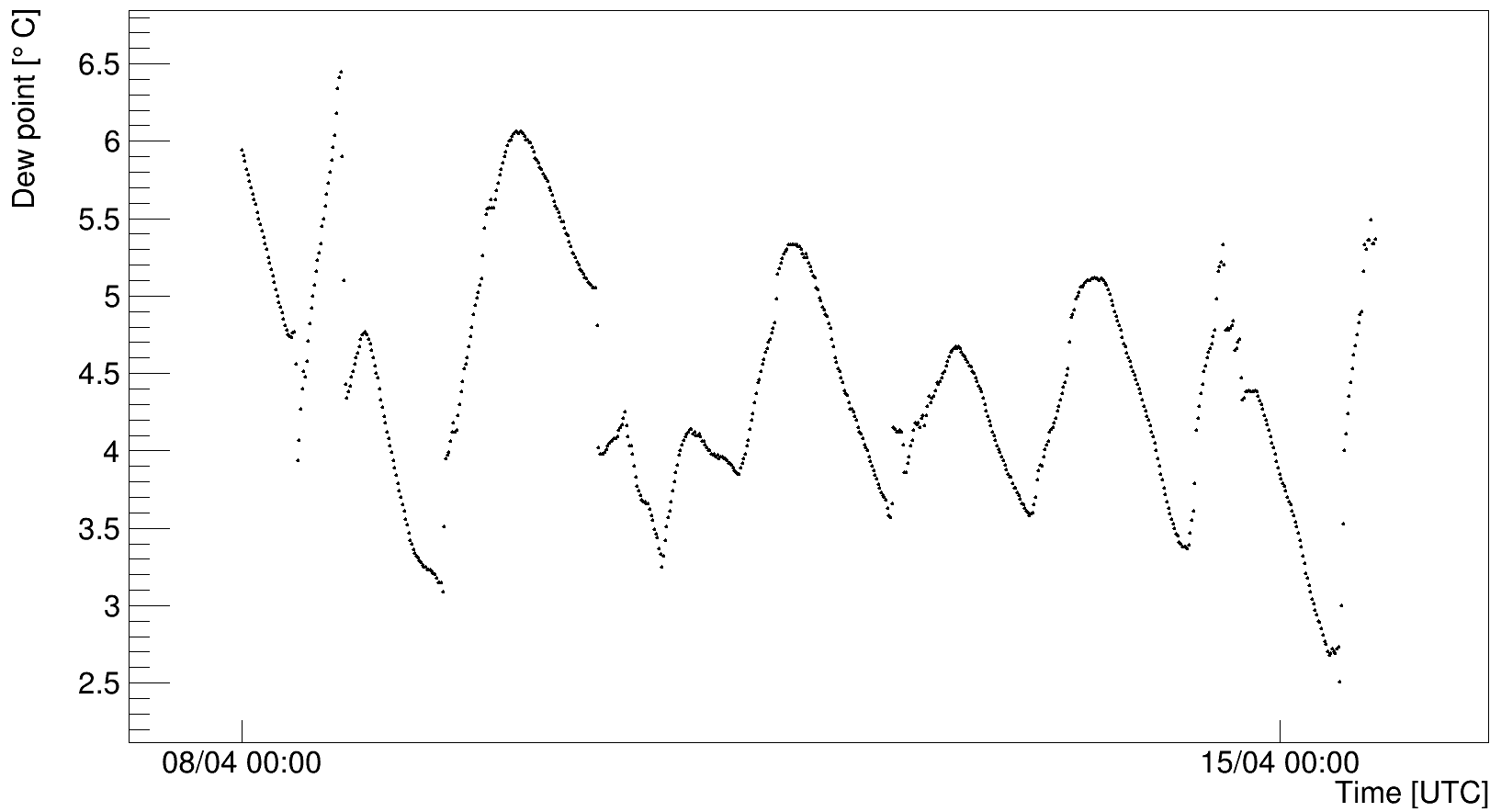
- For most of the week the source was ON
- Absorption factor was stable at 6.9 for the F⁻ production measurements

HFO used liters



- Linear trend in HFO consumption
→ constant gas flow throughout the week
- Reduced wrt past weeks because only CMS-GT chamber was connected

Humidity trend

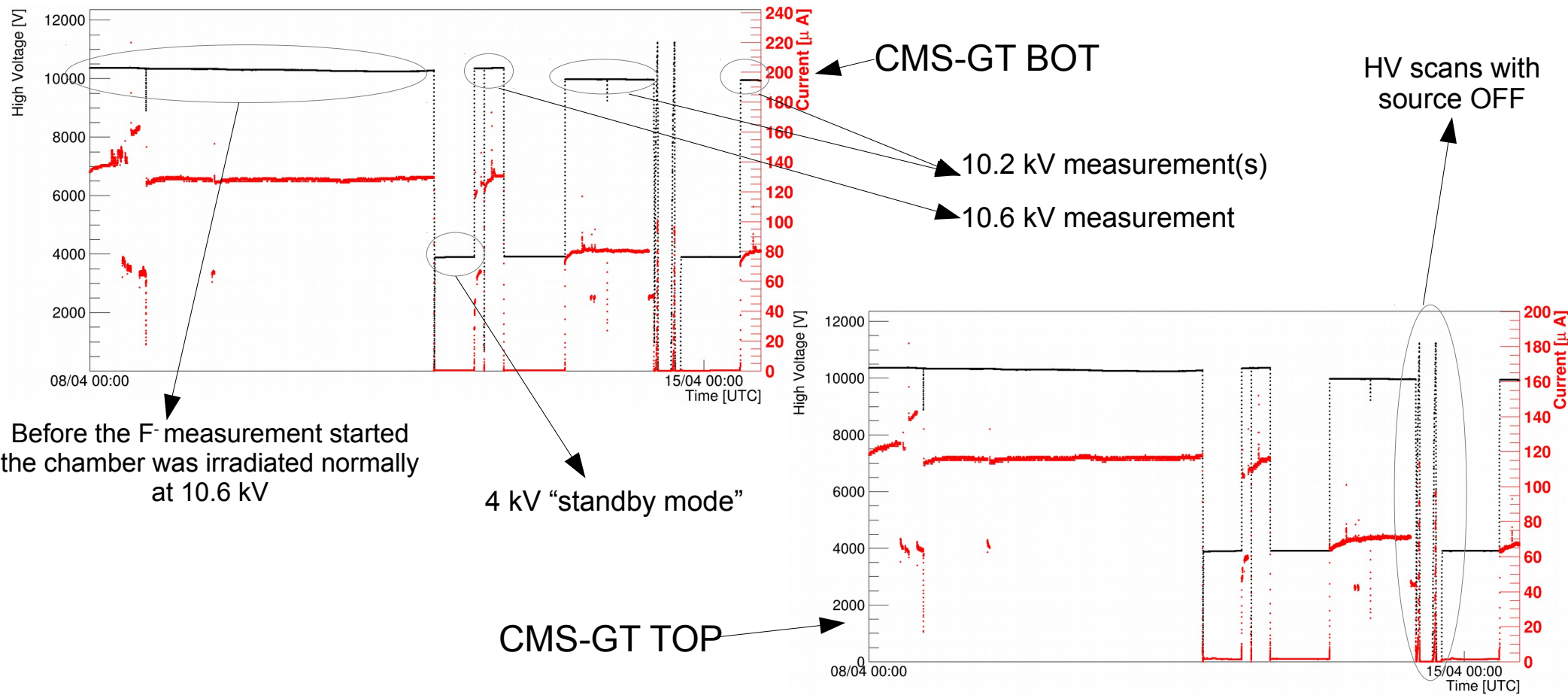


- Humidity required to be monitored a lot through the week
- Sometimes it seemed to follow the temperature trend but sometimes it did not

F⁻ measurements

- Measurements started on Monday April 12th (see Mapse's presentations and elog entries)
- Only performed on CMS-GT chamber (both gaps)
- Chamber kept at 4 kV since the night prior to the first measurement
- In the morning (around 8-9 am) chamber is switched to the desired voltage
- F⁻ production measurement carried out in the afternoon
→ ABS fixed to 6.9
- Monday: 10.6 kV
- Tuesday: 10.2 kV (to be repeated due to some issues with a flowmeter)
- Started a stability run (id 81) for these measurements
→ The applied voltage is changed there every night and morning

CMS – GT current trend



Conclusions

- Detectors operation during the week was smooth
 - Only CMS-GT chamber was connected
 - First part of regular stability at 10.6 kV, currents were stable in time
- F- production measurements carried out by Mapse and Gianluca
 - Preliminary results in today's (15th April) meeting
- Two source OFF scans performed on Wednesday (results to be compared to old scans)