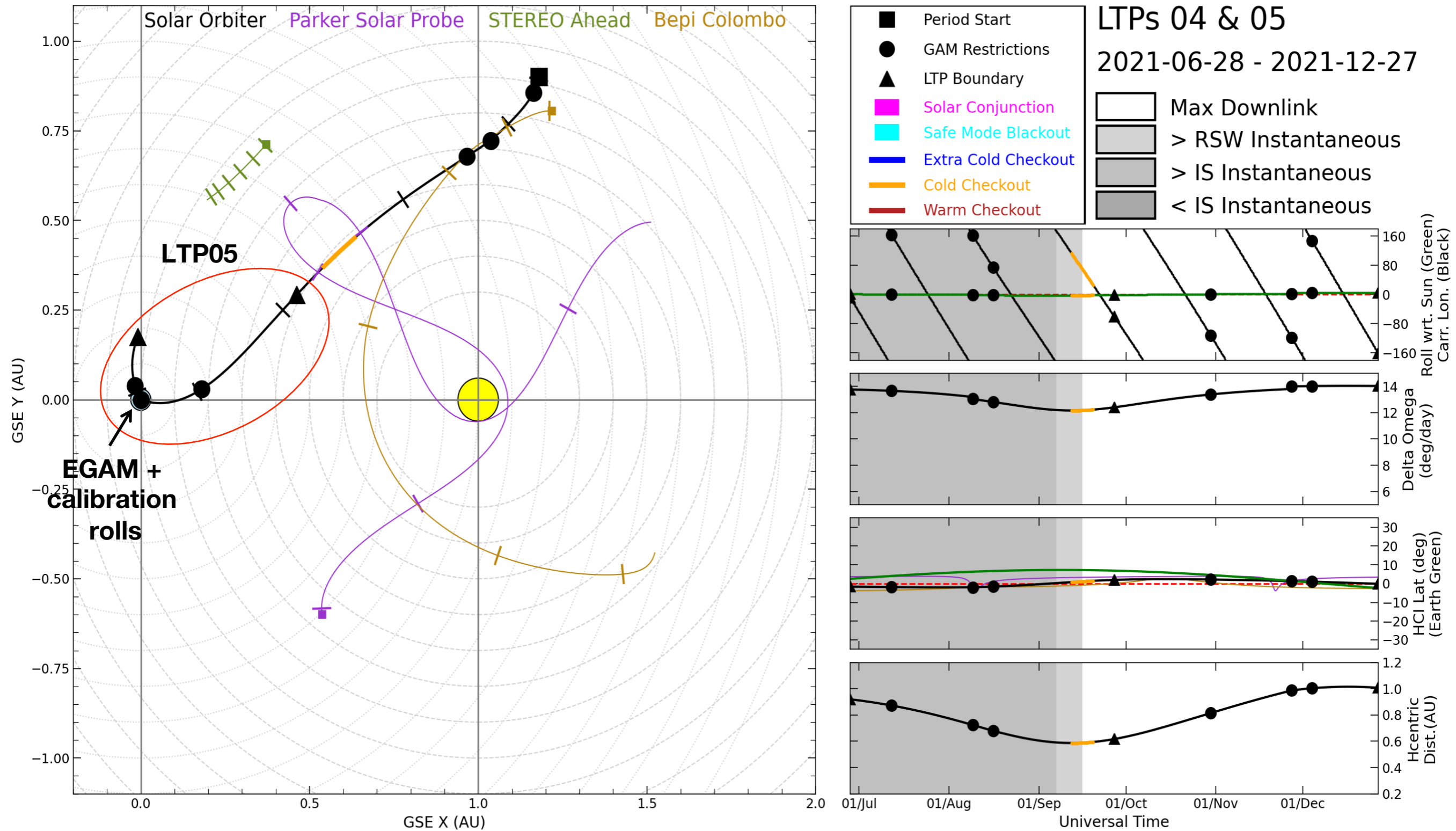


RPW Consortium : Operations Overview

Diane Bérard – 30/11/2021

Main events on LTP05 : Oct– Dec 2021



Main events on LTP05 : Oct– Dec 2021

- *On Oct 19* : TDS and TNR-HFR **FSW upgrade** (see next slide)
- *From Nov 8* : **Enable HFR list mode** : selection of a finite list of frequencies that will be observed by HFR → removal of noisy and polluted frequencies
- *From Nov 20* : SCM and the antennas pre-amplifiers will be switched off if any risk of illumination (S/C manoeuvres) → no science data acquired. Status of RPW and subsystems can be found [here](#)
- *On Nov 27* : **EGAM** with a 30-minute eclipse → galaxy measurements using TNR-HFR. TDS was also on. All other subsystems were OFF

Flight Software Update

On Oct 19 2021 : TDS and TNR HFR flight softwares have been successfully updated in flight.

TDS upgrade : bugs to be fixed detailed [here](#) :

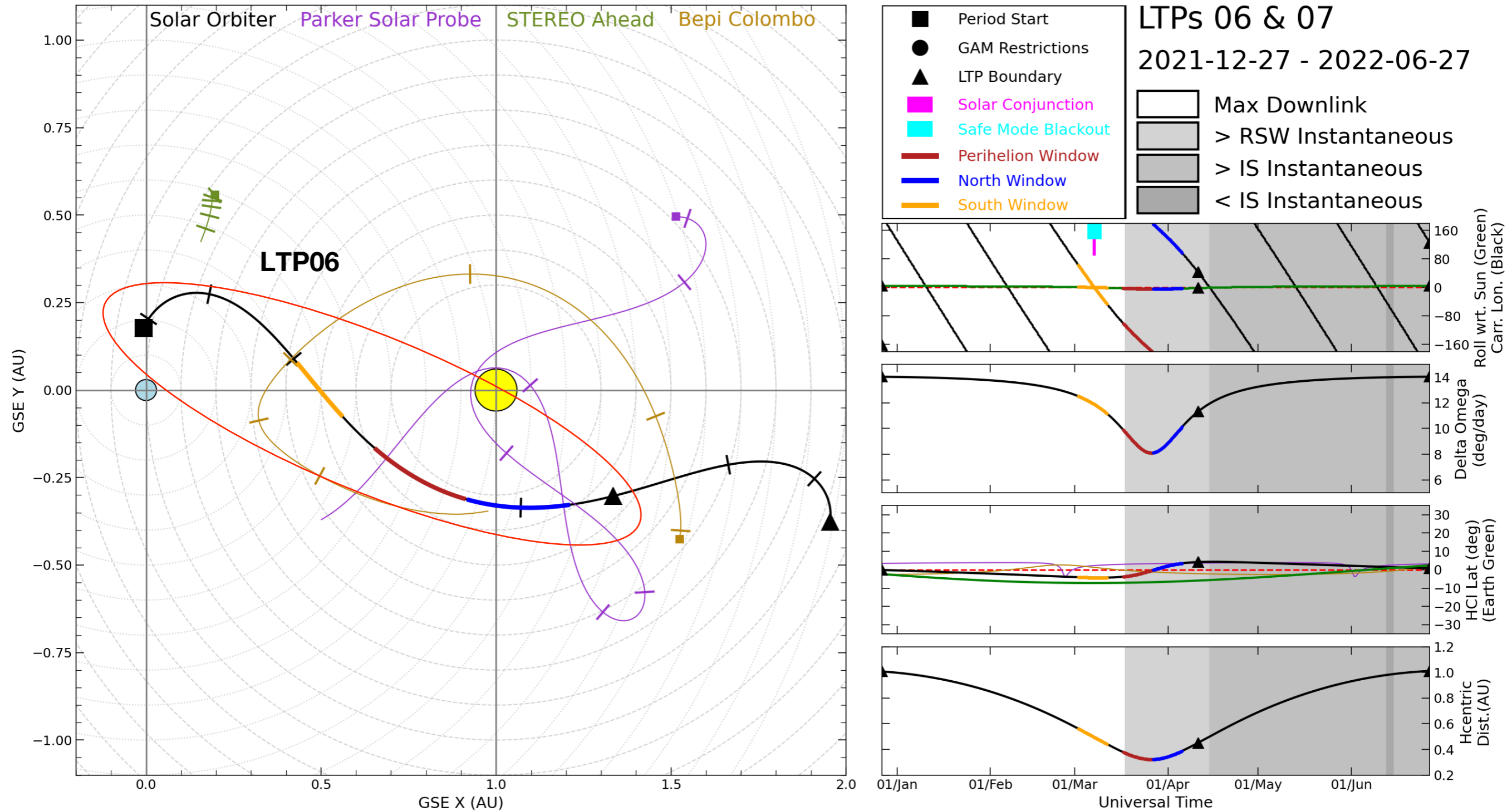
- Update of event detection algorithm
- Update of filter coefficients
- Other minor bugs

TNR upgrade : bugs to be fixed detailed [here](#) :

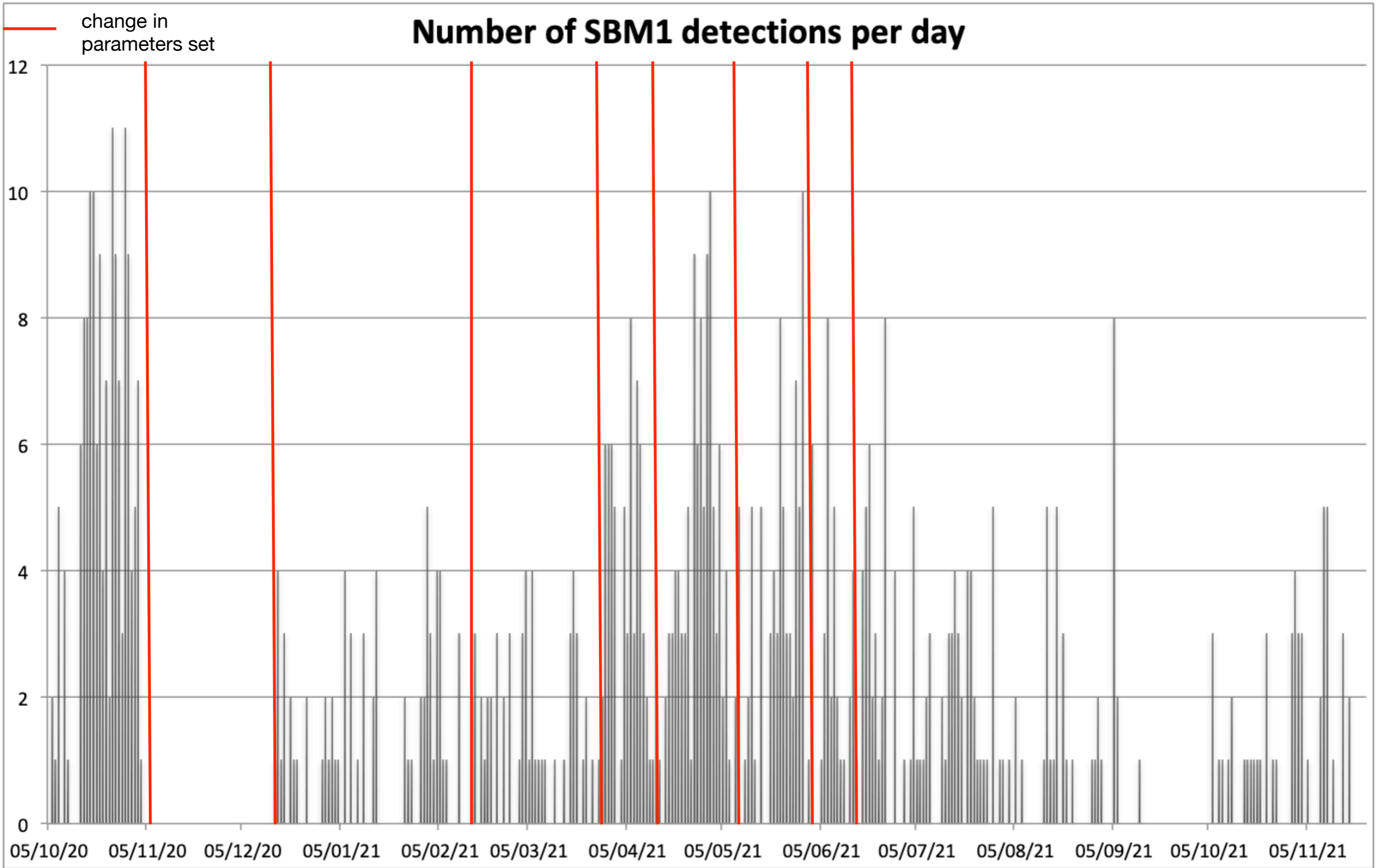
- Issue with delta time in band A
- Change of spectral coefficient to filter EMC polluted frequencies
- Computation of LL data
- Change the internal plasma peak detection algorithm

LFR FSW will be upgraded mid 2022 : need more time to solve the major issues (detailed [here](#))

Main events on LTP06 : January – April 2022

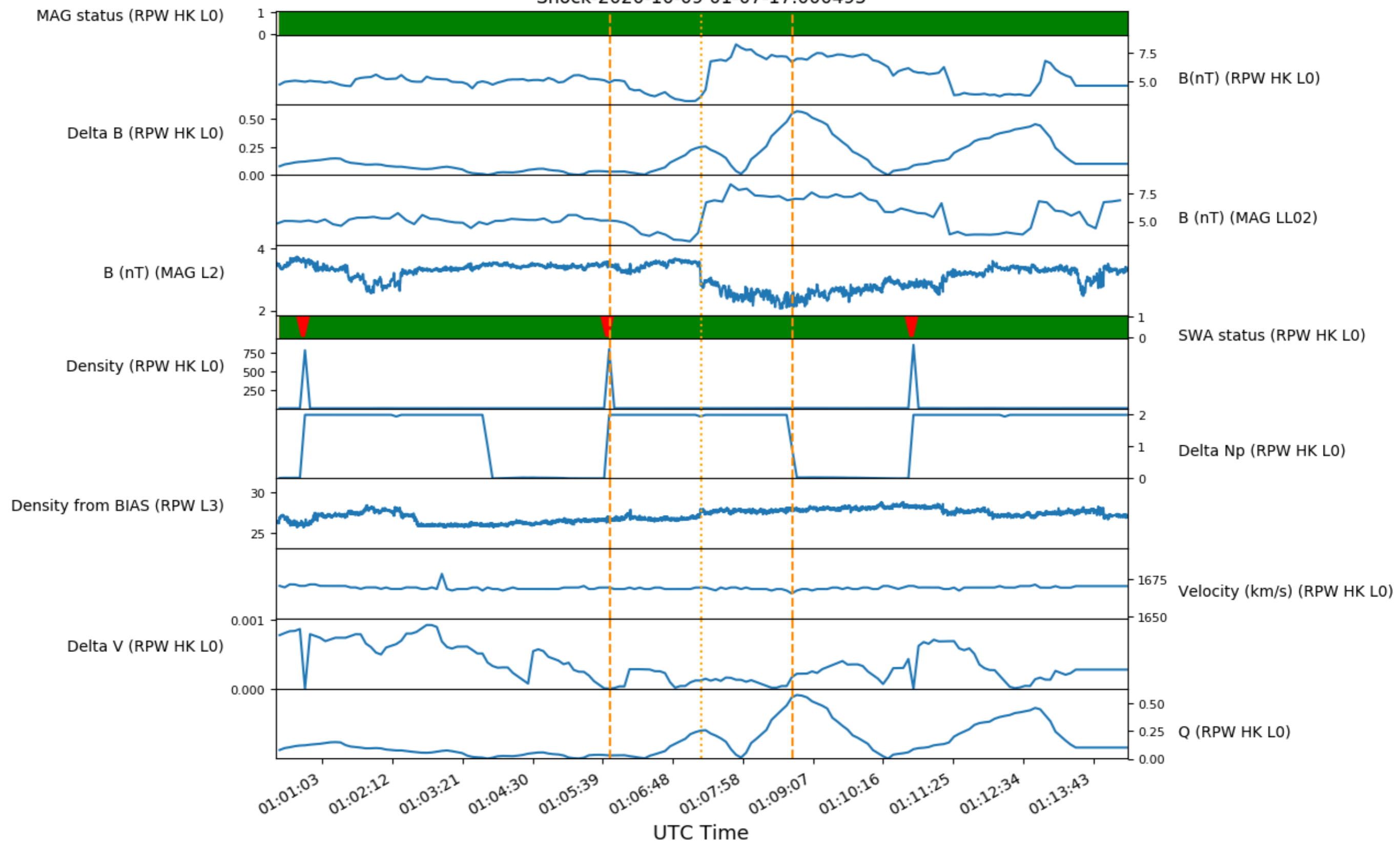


SBM detection algorithm study



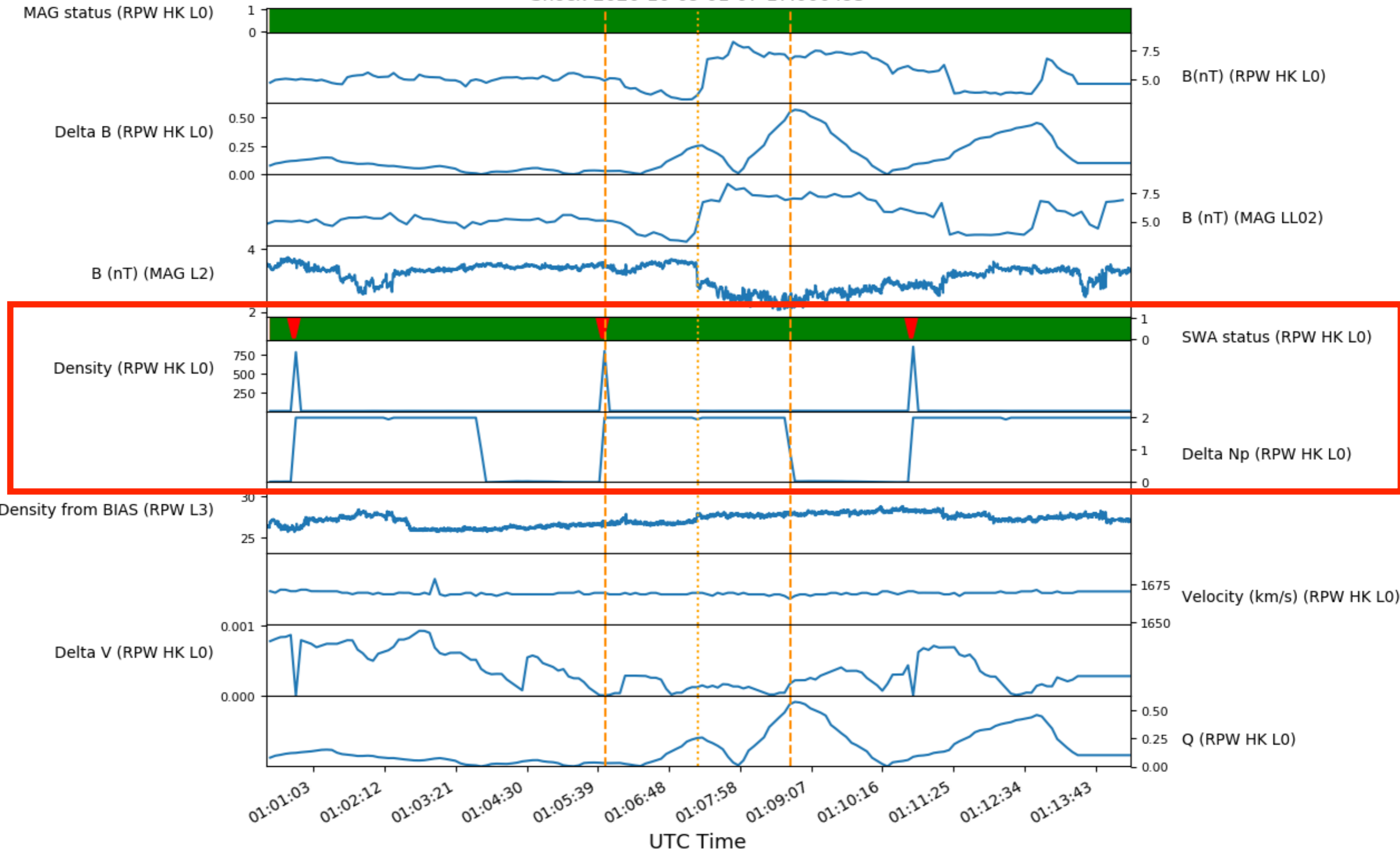
SBM detection algorithm study

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SBM detection algorithm study

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SBM detection algorithm study

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