

ANT3 anomaly status overview (1/3)

ANT3 came back to life on Feb 27th.

From March 2nd, current on ANT3 has been set to nominal values.

TDS, THR and LFR are still configured as during the failure

Another failure of ANT3 has been observed since. (Sometimes correlated with Bias sweeps, sometimes not) → list will be given in the anomaly report

In any case it has been decided to :

- to avoid BIAS (ANT) sweeps during S/C attitude disturbances
- to perform sweeps on ANT3, but spaced by 2 or 3 months (using new sequence AIWF033T)
- to reduce frequency of BIAS sweep in function of Solar distance :
 - 1 sweep/day ($R < 0.4$ AU): 22 Mar - 16 Apr
 - 1 sweep/5 days ($0.4 < R < 0.7$ AU): 27 Feb - 22 Mar & 16 Apr - 10 May
 - 1 sweep/10 days ($R > 0.7$ AU): 10 May - 25 Aug

Three next Bias sweeps planning and status:

- 2024-094T23:33:00.000000 and 2024-094T23:40:00.000000 (Apr 3rd) → **Disabled by TC**
- 2024-099T23:33:00.000000 and 2024-099T23:40:00.000000 (Apr 8rd) → **will be disabled**
- 2024-107T23:33:00.000000 and 2024-107T23:40:00.000000 (Apr 16rd) → **will be disabled**

The sequences are (by order) AIWF043A - 38N - 33O - 33R - 38K -35C.

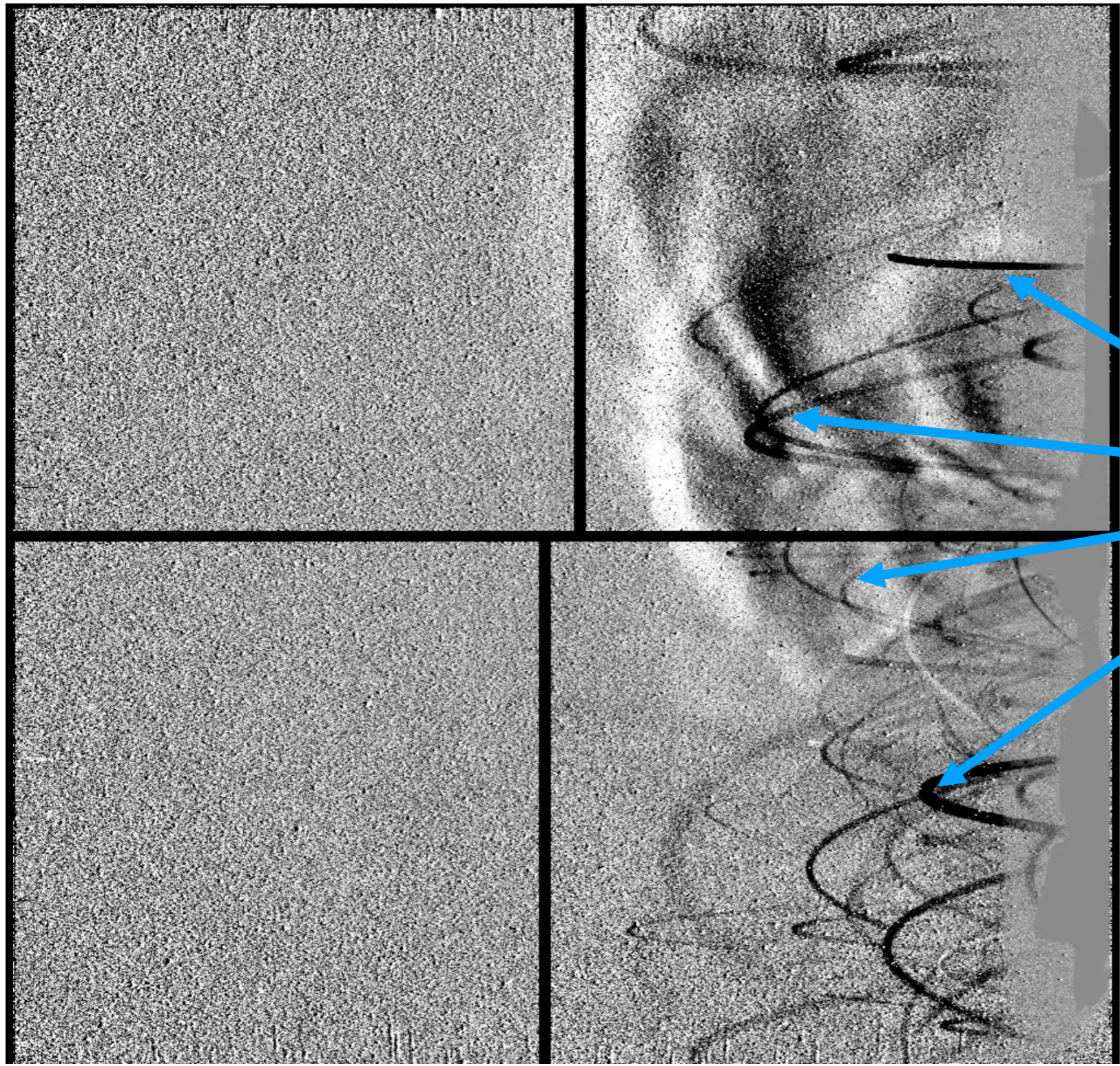
ANT3 anomaly status overview (2/3)

No other action taken for the moment on-board

April 5 – RPW ANT3 anomaly report issue 1.0 release – Postponed to include latest discussions (PA HF, latest actions taken)

April 26 - Anomaly Review Board at 09:30 (CEST) (using ESA Webex)

SoloHI image



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