

PROBA2 SWT14 ☀ 16 NOVEMBER 2016

E. D'HUYS, D. BERGHMANS, & THE SWAP TEAM

SWAP STATUS UPDATE

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INSTRUMENT HEALTH AND PERFORMANCE

SWAP STATUS UPDATE

HEALTH AND PERFORMANCE

- SWAP performance is nominal
- We have ~1.5 million engineering fits files, and ~1.3 million calibrated images (end of October)

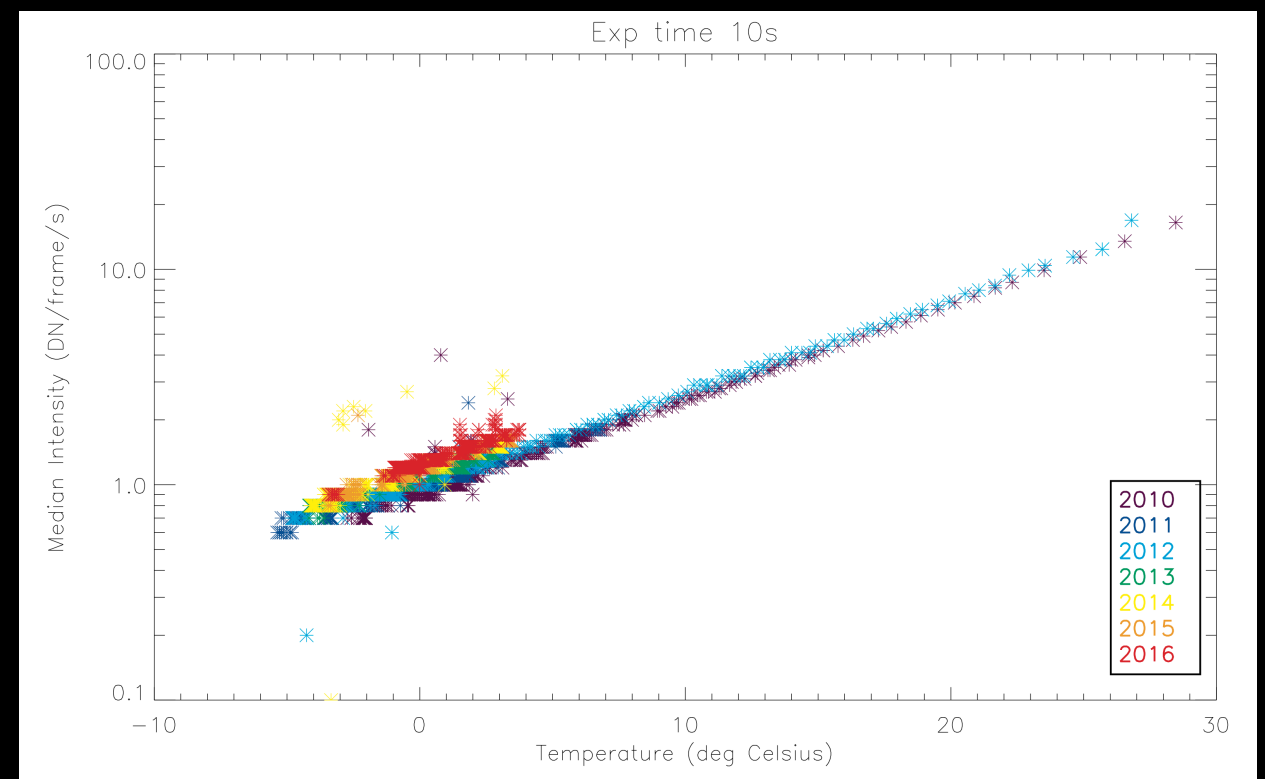
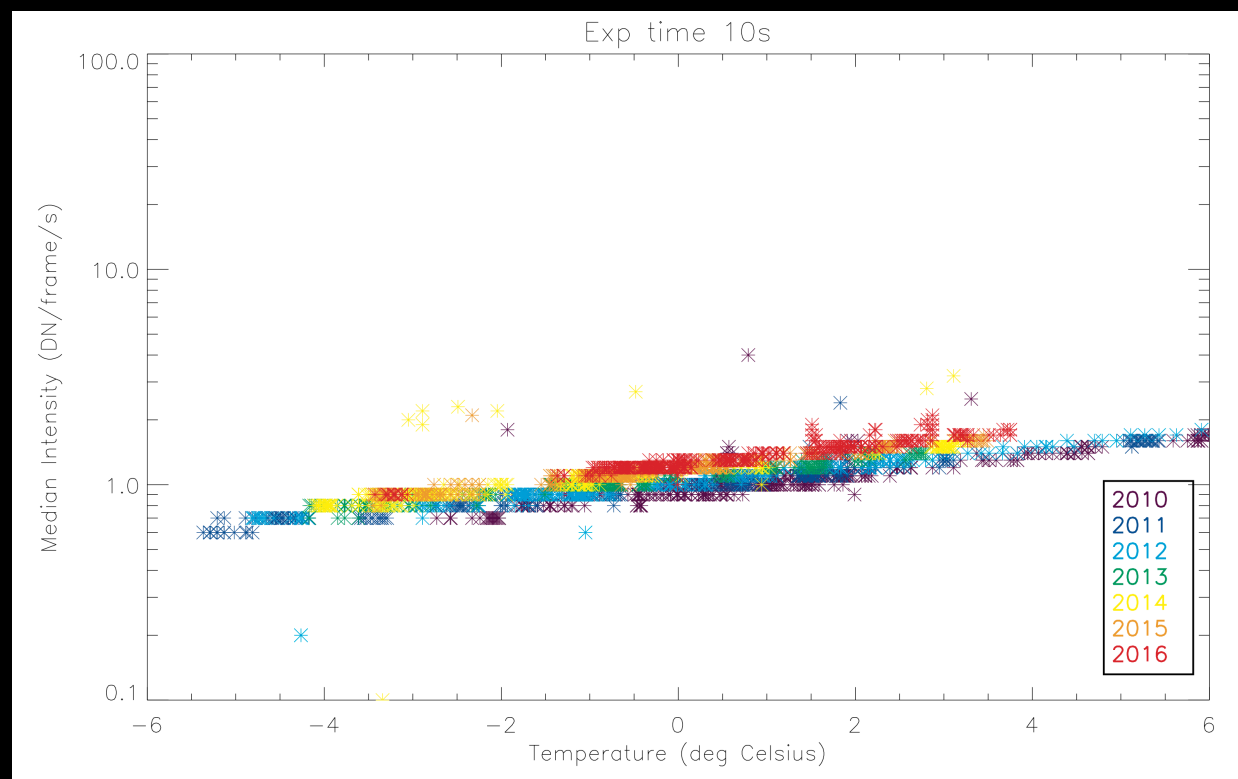
SWAP STATUS UPDATE

SWAP REPROCESSING

- We plan a final reprocessing of all SWAP data since the start of the mission
- Update calibration files first

SWAP STATUS UPDATE

SWAP DARKS



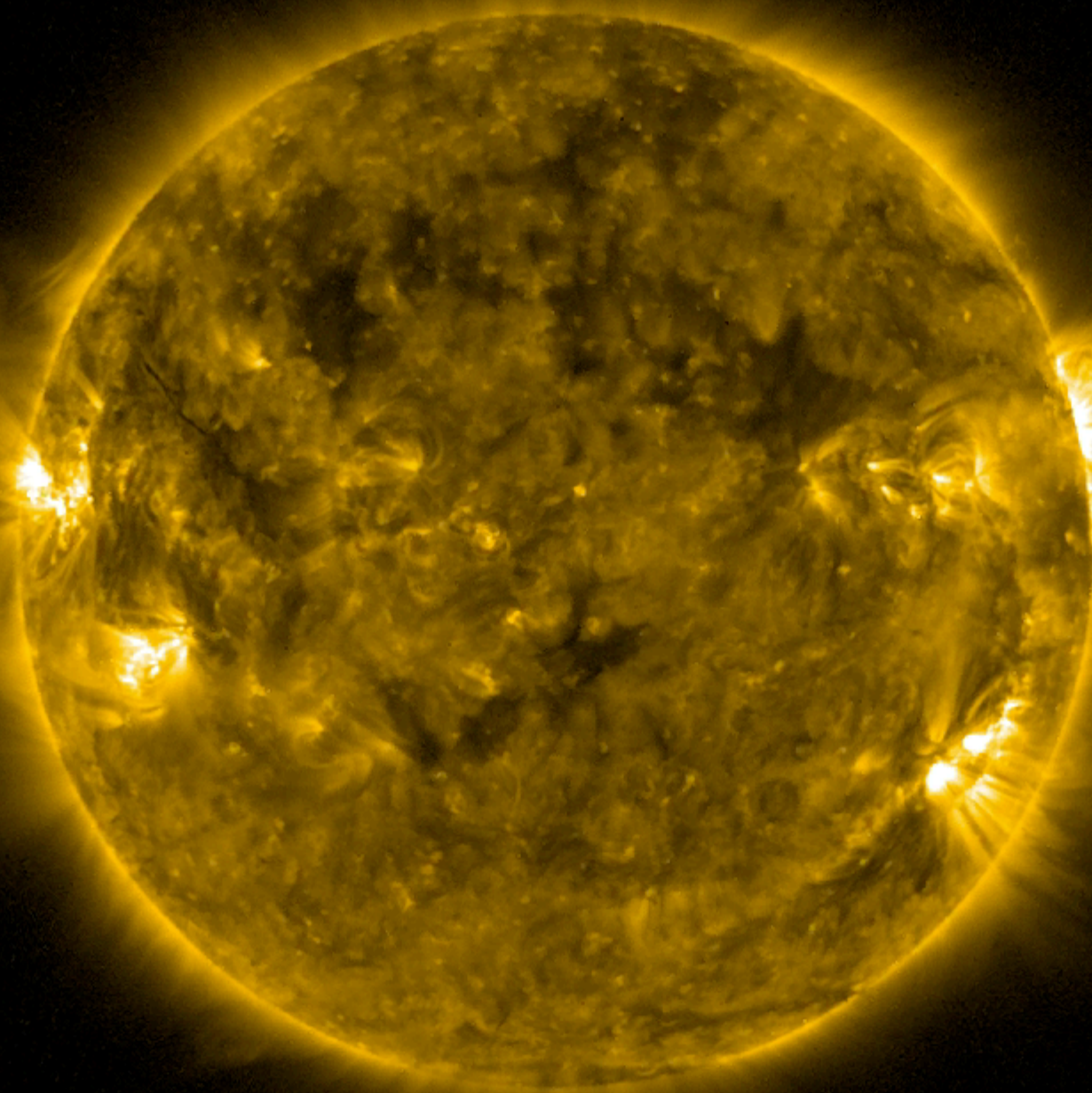
SWAP STATUS UPDATE

OUTREACH & SCIENCE

SWAP STATUS UPDATE

ANNULAR SOLAR ECLIPSE

2016 September 1



SWAP STATUS UPDATE

UPCOMING CELESTIAL EVENTS

- Annular Solar Eclipse: 2017-Feb-26
- Total Solar Eclipse: 2017-Aug-21

SPECIAL CAMPAIGNS

- SWAP campaign for GI's Slemzin-Rodkin-Goryaev
- Goal: observe illumination by back-sided solar flares
- High-cadence observations during 2 orbits on 23/09/2016 and 24/09/2016
- May be repeated, depending on solar activity

SWAP STATUS UPDATE

SWAP GUEST INVESTIGATORS

Visited:

- F. Goryaev - Study of properties of the inner corona and search of solar wind flows by illumination from backside solar flares.
- L. Krista - The structural and footpoint evolution of CMEs.
- V. Krupar - Radio signatures of the shock waves and their association with coronal structures seen by the SWAP and coronagraph observations.

Current visitors:

- O. Panasenco - Pseudostreamers and their Immediate Environment: Observations and Modeling.
- M.Kirk & B. Thompson - A Targeted Analysis of the Link Between Filament Eruptions, Lower Coronal EUV Features, and CMEs With PROBA2 SWAP.

Upcoming:

- F. Frassati - Formation and early evolution of coronal shock waves.
- M. Janvier - The evolution of flux ropes and their accompanying filament/prominence during eruptive flares

SWAP STATUS UPDATE

EVENTS THIS WEEK

- PROBA2 stand at the fair (today!)
- ESWW with PROBA2 stand throughout the whole week