

121st Hinode SSC Meeting on 23rd February, 2016 at 07:00 JST

Short Summary, Conclusions and Actions

a. Program Status

1. Instrument Status Review

SOT operating without its Filtergraph (FG) camera following an electronic fault. Spectro-Polarimeter (SP) and Correlation Tracker (CT) are nominal.

XRT is nominal.

EIS is nominal. Following updates to EIS EGSE simulator, new studies are being made available and planning for a bakeout in March is in progress.

2. Report on Changes to Instrument Telemetry Allocation

There are no further reports on telemetry allocation changes

3. ALMA

Kobelski reported that for the December runs, only disc centre observations were performed due to an antenna tracking issue. This has now been corrected. However almost all the December observations will need to be repeated in April. During March, HOPs 328, 329 and 333 will be run in the interval March 15th to 22nd.

ACTION: Kobelski will confirm and compile a spreadsheet for the mid-April repeat observations.

4. FM Calendar

Hinode currently in normal mode 14th May, 2017.

5. HOP Prioritisation

SSC asked by **SWG** to prioritise HOPs i) with associated ground-based observations that were overlapping in a time zone and ii) in cases that generated mission telemetry use conflicts.

ACTION: Culhane to ensure that such cases were highlighted in SSC meeting notes; Ongoing

b. Previous Action Items

For HOP 279, **Tarbell** confirmed that it is acceptable for SOT to point at the limb.

c. Review/Discussion of Open HOPs and ToOs

- routine **HOPs 130, 79 and 81** were run as planned during **January**.
- **HOP 206**, being run in March in association with **HOP 81**, can be run later in the day if necessary.
- as reported above, **Tarbell** agreed that limb pointing is acceptable for SOT in support of **HOP 279**.
- schedule for possible **HOP 279** observations in March was still not finally agreed.

d. Review of New or Updated Proposals and Scheduling of Observations

1. Observation-Driven Modelling of Solar Phenomena - Madjarska (madjarska@mps.mps.de), Shine/SSC; HOP 335

- Hinode and IRIS observations of Coronal Bright Points (BPs) to be used for new data-driven approach to modelling
- four observations in **March, April** or **June**; target: Coronal BPs near disc centre; min. duration: 2 hr
- late target specification due to short BP lifetime; **Brooks**, CP during April, will communicate with Madjarska and manage Hinode pointing and IRIS coordination; CP duty intervals still to be agreed
- new EIS study prepared; now validated and included in EIS database
- **June** observations not good for this HOP due to Hinode focus mode

2. Study of Cycle 25 Bright Points - Bryans (pbryans@ucar.edu), Centeno (rce@ucar.edu), Savage/SSC (sabrina.l.savage@gmail.com); HOP 336

- aim: find the magnetic and chromospheric signatures of the onset of cycle 25.
- targets: high latitude bands (600'' around the central meridian) of quiet Sun in Northern (40 - 45 deg) and the Southern (45 - 50 deg) hemispheres.
- observation interval: **1st March - 31st May**; weekly observation of < 12 hr required for N-hemisphere; similar observation desired for S-hemisphere; could be run during focus mode
- **IRIS** coordination within the same 24 hr interval requested; short interruptions are acceptable

3. Long-term Active Region Evolution - De Pontieu (bdp@lmsal.com), Tarbell (tarbell@lmsal.com), Testa (ptesta@cfa.harvard.edu); ToO HOP 307

- select suitable AR at East limb in the interval **1st - 7th March**
- follow selected AR from limb-to-limb; minimum observation duration: 1 - 1.5 hr;
- observe over 14 days with 8 hr cadence

Continuing routine HOP observation:

Polar Panorama Map for Polar Reversal in Cycle 24 – Shimojo(shimojo@nro.nao.jp); HOP 206

- target will be North polar region; obtain data for North Pole
- schedule every three days during **February/March**; start on **22nd February**; end on **21st March**

Continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run on **4th March** (N pole fast); **5th March** (S pole deep); S pole fast covered by **HOP 206** on **6th March**
- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **16th March** (N/S only)
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **7th March**

These dates may change depending on the final ALMA schedule.

e. Monthly Science Reports

- next **Hinode** monthly science report will be prepared by the **XRT Team** by **13th March**
- see http://hinode.msfc.nasa.gov/science_charts/ for template and previous chart

f. Date of Next Meeting

- next meeting: **23rd March, 2017** at **07:00 JST**; **22nd March, 2017** as appropriate in US/Europe

g. AOB

Savage reported that the Senior Review proposal is almost complete. It will be reviewed during April.