

140th Hinode SSC Meeting on 27th September, 2018 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.

2. Report on Changes to Instrument Telemetry Allocation

There are no further reports on telemetry allocation changes

3. FM Calendar

Hinode focus mode calendar has been updated.

4. 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

De Pontieu to discuss possibility of interruptions to **HOP 364** with proposer

Culhane to discuss **HOP 347** target with proposer

Culhane to request specific information from Baker on XRT cadence when supporting **HOP 253** and to state that the thin Be filter will be used

c. Review/Discussion of Open HOPs and ToOs

- routine **HOPs 79, 81 and 130** were run as planned during **September**
- **ALMA**-related HOPs are being run
- **HOP 347** has been scheduled for 21st/22nd October just before the start of **IRIS** eclipse; **HOP 336** has been delayed by 1 day to 23rd October to accommodate this
- **HOP 348** will be run on 28th September to support a Nu-star observation
- **HOP 364** proposer happy with 15-18 hrs/day instead of continuous support and requests an October observation; IRIS could cover interval 14th - 20th October; 07 UT to 14 UT on three consecutive days; proposer also requests a continuous coverage re-run after mid-Feb when IRIS eclipse season ends.

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

1. Coordinated Observations Between the EUNIS-2019 Sounding Rocket and EIS - Brosius (jeffrey.w.brosius@nasa.gov), Daw (adrian.daw@nasa.gov), Landi (elandi@umich.edu), Mariska/SSC/EIS, Waren/SSC/EIS; HOP 365

- coordinate EUNIS sounding rocket observations with EIS, IRIS, EOVSAs and IBIS during a delayed flight which will now be scheduled for February, 2019
- aims: search for evidence of the nanoflare coronal heating model and cross-calibrate with EIS
- target: an active region and its quiet sun surroundings
- **SOT** request: vector magnetogram of target area to be obtained during rocket flight
- **EIS** request: run study EUNIS_EIS_Crosscal18 before, during and after the rocket flight
- **XRT** request: one Thin-Al/poly and one Thin-Be image during the rocket flight; one additional image of each to be obtained before and after the flight
- **IRIS** request: 2' x 2' raster; alternate between 1330 Å and 1400 Å slit-jaw images; discuss with team
- coordinate with **EOVSA/NJIT** and **IBIS/NSO**

Following an extensive discussion of how the Hinode team might coordinate observations with the upcoming perihelion passage of the Parker Solar Probe, a HOP was submitted following the meeting that summarised the discussions and described an observing plan for the Hinode instruments

2. Parker Solar Probe Perihelion Passage – Vourlidos (angelos.vourlidos@nrl.navy.mil); Warren (harry.warren@nrl.navy.mil); HOP 366

- start: 31st October (0.25 AU); Perihelion: 6th November (0.17 AU); Stop: 11th November (0.25AU)
- corotation period/orbit #1: 2nd November/08:22:45 UT to 4th November/08:25:29 UT
- **SOT** request: i) PSP magnetic footpoint (MF) on disk on/near limb; give all SOT telemetry to EIS/XRT for reasonable duration limb observations. ii) PSP/MF on disk in quiet sun; CH or CH boundary; fast map with full FoV at start and end of encounter, see HOP list for more detail. iii) PSP/MF on/near an active region or plage; continuous full FoV fast maps with FoV to cover AR and its surroundings, emphasise footpoint coverage. iv) Far side; no observations
- **XRT** request: i) Limb/AR; High cadence (10s) 512x512 Be-thin. ii) Limb/no AR; CME watch Be-thin 60s cadence. iii) Far side; Full-disk, sun centre.
- **EIS** request: i) Limb/AR; Large area scans (260"x512") over the region. ii) Limb/no AR; Deep spectral scans over the limb. iii) Far side; no observations. iv) Pre/post encounter; Full disk spectral scan.

Warren will be PSP contact for Hinode team. **De Pontieu** to send IRIS/PSP plans to Warren

Continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run on **11th October** (N pole fast) and **13th October** (S pole fast)
- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **18th October** (N/S only)
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **16th October**

e. Monthly Science Reports

- next **Hinode** monthly science report will be prepared by the **EIS Team** for 12th October;
- **NOTE**: Science chart site access has been changed due to IT requirements; **Savage** will establish a new Google drive site for template and previous chart
- provide one summary slide for Hinode team management at MSFC and two additional slides for NASA HQ

f. Date of Next Meeting

- next meeting: **25th October, 2018** at **07:00 JST**; **24th October, 2018** as appropriate in US/Europe

g. AOB

Savage reminded the meeting that reviews by UKSA and ESA are in the first two weeks of October.