

87th Hinode SSC Meeting on 24th April, 2014 at 07:00 JST

Short Summary, Conclusions and Actions

a. Program Status:

1. Instrument Status Review

SOT not quite nominal (see report of 63rd SSC); blurring and intensity changes now visible for 20% - 25% of the NFI field of view; NFI observations remain possible but will take a little longer; no change reported from **March** status

XRT is nominal

EIS is nominal

2. Changes to Instrument Telemetry (on-board storage) Allocation

ACTION: Any telemetry allocation change agreements for a HOP should be communicated to Watanabe for inclusion in the Monthly Events listing and ideally in the HOP list; Ongoing

3. 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

Following the IRIS Team meeting on 12th December, there will be an announcement regarding the mechanisms for community collaboration with IRIS. Ongoing

ACTION: Cirtain and Savage to consider modification to HOP guidelines and formulation of requests to HOP proposers regarding the productivity of their HOPs; Ongoing

- other actions have been closed

c. Review/Discussion of Open HOPs and ToOs

- routine **HOPs (81, 79, 130 and 240)** are ongoing

d. Review of New Proposals and Scheduling of Observations

Tarbell stated that **IHOP** proposers had been asked to comment on their outcomes to date and to note that, following the start of **Hinode** eclipse season from ~ 5th **May**, high priority **Hinode** support for **IRIS** observations would be reduced though coordinated observations would still be possible.

1. Spectroscopic Study of Magnetic Tornadoes - Gomory (gomory@ta3.sk); HOP-237

- request for a re-run of this HOP was agreed
- EIS study line list to be modified as requested
- SOT can support for off-limb prominences only

ACTION: Tarbell to explain SOT limitation to proposer. Completed

2. Magnetic Field Structure of Prominences, Solar Tornadoes and Spicules – Labrosse (nicholas.labrosse@glasgow.ac.uk), Schmieder (brigitte.schmieder@obspm.fr); HOP-255

- run in intervals **20th – 24th May** and **26th – 29th May; 08:00 UT to 11:00 UT** optimum window for THEMIS coordination
- details of joint observations with IRIS to be arranged for interval **14th – 23rd July**
- XRT exposure times may need to be reduced in high activity conditions

3. Study of the Plasma Properties of EIT Waves from Multi-wavelength Observations – Vanninathan (kamalam.vanninathan@uni-graz.at), Gomory (gomory@ta3.sk); ToO HOP-256

- to be available following validation of new EIS sit-and-stare study
- proposers to agree coordination of observations with IRIS team

ACTION: Culhane to inform proposer of need to contact IRIS Team (Bart de Pontieu) to request IRIS support for HOP-256. Completed

4. EPO Campaign Observation Mainly for High School Students - Yaji (kentaro.yaji@nao.ac.jp); HOP 173

- re-run requested and agreed for interval **21st – 26th July, 02:00 UT to 06:00 UT**
- SSC members commented favourably on publication and conference presentation record of **HOP-173**

5. Transition Region Explosive Events – Kankelborg, Jaeggli, Tarbell, McKenzie (mckenzie@solar.physics.montana.edu); HOP-252

- previously accepted; several runs have been done already
- IRIS team are awaiting feedback from the proposer before further runs

6. South-Pole Eclipse Observation to Investigate EIS Scattered and Stray Light – Hara (hara@solar.mtk.nao.ac.jp)

- observation does not require **HOP** status but was communicated to all COs to emphasise its importance
- scheduled within the **EIS** team core programme to start at **05:00 UT** on **29th April**

The continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run on **6th May; S pole** and **8th May; N pole; fast scans**
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **13th May**
- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **20th May (N-S)** and **22nd May (E-W); dates flexible**
- **Temporal Evolution and Magnetic Polarity Reversal of the Sun's Polar Magnetic Patches – Suematsu (suematsu@solar.mtk.nal.ac.jp); HOP 240**
- run on **27th May (S-Pole movie)** and **29th May (N-Pole movie)**

e. Monthly Science Reports

- **Tarbell/SOT** will prepare the next Hinode coordinated science report by ~ **8th May**
- See http://hinode.msfc.nasa.gov/science_charts/ for template and previous charts

f. Date of Next Meeting

- next meeting: **22nd May, 2014** at **07:00 JST**; **21st May, 2014** as appropriate in US/Europe

g. AOB

- note circulated by **Savage** and the **U-side instrument teams** on **Test Procedure for Hinode Eclipse Season Focussed Mode Operations** was discussed
- next focused mode operations testing will be from **31st May** to **27th June** in two 2-week intervals
- Option I: SOT Gap management Plan involves observation for part of each day with gaps to accommodate upload limits
- Option II: SOT 5-day Plan involves a five day timeline with unused telemetry from the remaining two days being allocated to EIS and XRT
- option I might be implemented with SOT observing only while out of SAA
- during these tests, teams do not expect to plan command-intensive synoptic programmes e.g. **HOP 130, HOP 79**
- accomodation of these important synoptic observations will need to be considered during future routine focussed mode operations

ACTION: Cirtain and Savage will send the note to Shimizu-san for consideration by J-side