

139th Hinode SSC Meeting on 30th August, 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. CCD heaters have been adjusted to secure noise reduction.

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

HOP 341 has obtained good data; proposers informed **Mckenzie** that they have sufficient data for now.

Conflict between **HOP 349** scheduling and **EIS** planning was resolved by **Reeves**.

Reeves and **Savage** established that the studies used for the Hi-C campaign observations should be used for **FOXSI-3** support.

Culhane confirmed the planning for **HOP 347**; schedule still being discussed.

c. Review/Discussion of Open HOPs and ToOs

- routine **HOPs 79, 81** and **130** were run as planned during **August**
- **ALMA**-related HOPs are being run
- **HOP 347** has been scheduled for 21st/22nd October just before the start of **IRIS** eclipse
- still no requests to run **HOP 348**; awaiting input on the Nu-star solar planning process
- **FOXSI-3** launch has been scheduled for 7th September; launch window: 17:15 UT to 18:10 UT

- **HOP 362** will be run again; schedule: 18th - 21st September, 00:00 UT - 03:00 UT

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

1. High Resolution Multi-wavelength Study of Solar Pores - Verma (mverma@aip.de), Denker, Wang,

Liu, Yurchyshyn, Tarbell/SSC, Shine/SSC; HOP 363

- aim: describe solar pores in terms of their flows and magnetic field properties using high resolution images and spectra
- targets: a) isolated pore in the network, b) pore in an active region
- observing interval: **3rd - 10th October**, time window: 15:00 UT - 18:00 UT to match BBSO observing start at 15:00 UT; extend observation to 20:00 UT if possible
- **SOT** request: SP normal map mode, 100" x 164", 1 hour cadence; no XRT, EIS or IRIS requests
- coordinate with BBSO Goode Solar Telescope

2. Observing Magnetic Field by Hinode (SOT/SP) in Plume and Non-plume Regions seen by IRIS and AIA - Tiwari (tiwari@lmsal.com), Avallone (ellis.avallone3@gmail.com), DePontieu (bdp@lmsal.com), Tarbell/SSC, Shine/SSC; HOP 364

- aim: detect any mixed-polarity field, unresolved by HMI, at the base of solar plume and non-plume regions observed by IRIS and AIA
- target: quiet sun - coronal hole on-disc; prefer - 50 deg W to 50 deg E; if no CH plumes available, plumes in quiet regions are possible targets
- observing interval: any time in September/October; minimum duration: 3 days; 4 - 6 days preferred; likely that schedule will be driven by IRIS availability
- **SOT** request: SP normal map mode; 2 - 4 maps per day; **IRIS** request detailed in HOP listing
- proposal wording regarding observation continuity is confused; **Shine** to clarify schedule and continuity requirements with proposers

3. 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 **September**; run **2nd, 5th, 8th, 11th, 14th, 17th, 20th** and **23rd September**

4. 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: **3rd - 24th September**, run on Mondays; 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

Continuing monthly observations are:

- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **4th** and **25th September**
- **Polar Monitoring - Shimojo; CORE HOP 81**
- run on **6th September** (S pole fast), **7th September** (N pole deep) and **8th September** (N pole fast) - this latter date also covers HOP 206
- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **13th September** (N/S only)

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: **27th September, 2018** at **07:00 JST**; **26th September, 2018** as appropriate in US/Europe

g. AOB

Savage reminded the meeting that the ESA review date was approaching and the EIS team may make requests for supporting material.

Warren informed the meeting that the **EUNIS** rocket flight was scheduled for 6th November and that **Brosius** will be submitting a HOP request for Hinode support