

199th Hinode SSC Meeting on 17th August 2023 at 07:00 JST

Short Summary, Conclusions and Actions

a. Program Status

1. Instrument Status Review

SOT is nominal

XRT is nominal

EIS is nominal

2. Report on Changes to Instrument Telemetry Allocation

There are no further reports on telemetry allocation changes.

No issues with the new arrangement for periods when telemetry usage is unusually high have been reported.

3. FM Calendar

Currently in Focused Mode.

4. HOP Prioritisation inode

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. Action Items.

Savage to remind COs of IRIS plan timing deadlines

Savage to confirm that proposal #5 is identical to HOP 460

Savage to ask proposal #4 team if proposals #3 and #4 could be run as a single HOP

Reeves to organize the Hinode 17 meeting and to seek coordination with the next IRIS meeting

c. Review/Discussion of Open HOPs and ToOs

- HOP 130 was delayed by one week to accommodate HOP 344
- HOP 344: EIS/IRIS scans; will be run on **5th/6th September**; Hinode timeline will start at 11:00 UT on **5th September**
- HOPs 467, 468 and 469 have been completed
- ToO HOP 466 was run during its window
- BBSO HOP 420 is currently running
- HOP 173 (Yaji-san) will be run later this month
- HOP 465 will be run when a suitable target becomes available

- for HOP 466, an IRIS pointing change requested by **Lezzi** missed the IRIS deadline; important to note that IRIS pointing deadlines are different from Hinode and pointings cannot be updated after 09:00 PST
- **Savage** will remind COs of IRIS timing deadlines

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

New Submitted HOPs

Five HOPs were submitted for collaborative observations with Solar Orbiter.

Stereoscopic Observation of a Sunspot with Solar Orbiter Investigating Waves and Flows [SOOP: Atmospheric Dynamics Structure] – Calchetti (calchetti@mps.mpg.de), Solar Orbiter Team. #1

- study flows and waves in and around ARs from two vantage points
- SOT request is ok; EIS request is ok; no XRT request
- observation request submitted to IRIS team who may not be able to coordinate

Sources of Fast Solar Wind [SOOP: Fast Wind] – James (alexander.james@ucl.ac.uk), Yardley, Buchlin, Franci. #2

- investigate sources of the fast solar wind in a coronal hole, such as EUV bright points and jets
- no SOT request
- EIS team will check if longer exposure needed for dynamics study; otherwise ok
- XRT request ok but will need to run with a fixed exposure time

Highest Latitude Solar Orbiter Polar Observations Coordinated with Hinode [SOOP: R_SMALL_HRES_MCAD_Polar-Observations] – Strecker (streckerh@iaa.es), Blanco. #3

- obtain coordinated observations of the solar north pole between SO/PHI-HRT and Hinode/SP while SO reaches the highest latitude of the orbit.
- SOT request ok; may need an additional 30 minutes
- requested EIS raster does not exist; EIS team will discuss a new raster with longer exposures
- XRT may need to run with a shorter exposure than is requested
- request to run polar monitoring campaigns HOP 81 and HOP 206 is noted; HOPs will be run depending on TLM availability

Highest Latitude Solar Orbiter Polar Observations Coordinated with Hinode [SOOP: R_SMALL_HRES_MCAD_Polar-Observations] – Blanco (julian.blanco@uv.es), Strecker, #4

- obtain *co-latitude* coordinated observations of the solar north pole between SO/PHI-HRT and Hinode/SP while at *different longitudinal angles*
- need to discuss this proposal with HOP #3 team; they are very similar and could be run as a single HOP; **Savage** to ask if they need to be separated

HOP 460 [SOOP: Earth Quadrature] – Parenti (susanna.parenti@universite-paris-saclay.fr), #5

- AR observations in Quadrature with Solar Orbiter
- **Savage** will contact **Parenti** to confirm that proposal is identical to HOP 460

There was also a request to rerun HOP 442 in the period **12th – 19th October**. There is some overlap with the HOP 472 schedule.

It was agreed to delay finalising the SO-related HOP schedule until all SO HOPs are submitted. The new HOPs will not be added to the HOP list until any conflicts are resolved.

Continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
run on and **8th September** (N pole deep) and **9th September** (S pole fast); Note: max B angle; N pole exposed
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **12th September**
- **Synoptic SOT Irradiance Scans – Egeland, Centeno; CORE HOP 412**
- run on **21st September**
- **Cycle 24/25 Equatorial Transition - Egeland, Bryans, Centeno, Savage, Watanabe, De Pontieu; HOP 393, 2nd, 9th, 16th, 23rd and 30th September** (every Saturday)
- **North Polar Panorama Map – Shimojo; HOP 206**
September dates are: **1st, 4th, 7th, 10th, 13th, 19th and 22nd**

Monthly Science Reports

- next **Hinode** monthly science report will be prepared by the **XRT** Team for **14th September**
- **NOTE:** Science chart site access has been changed due to IT requirements; **Savage** has established 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: **21st September 2023**, at **07:00 JST** and **20th September** as appropriate in US/Europe.

g. AOB

On-going reminder: press-worthy Hinode highlights to be sent to **Savage** prior to publication.

NASA Senior Review response is expected during this week.

The Hinode 17 meeting will be organized by **Reeves**. The site has not yet been selected. It is hoped to coordinate the date with the next IRIS meeting.