

## **199<sup>th</sup> Hinode SSC Meeting on 17<sup>th</sup> 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 useage 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 accomodate HOP 344
- HOP 344: EIS/IRIS scans; will be run on **5<sup>th</sup>/6<sup>th</sup> September**; Hinode timeline will start at 11:00 UT on **5<sup>th</sup> 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](mailto: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](mailto: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](mailto: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](mailto:julian.blanco@uv.es)), Strecker, #4**

- obtain *co-latitudinal* 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](mailto: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 **12<sup>th</sup> – 19<sup>th</sup> 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 **8<sup>th</sup> September** (N pole deep) and **9<sup>th</sup> 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 **12<sup>th</sup> September**
- **Synoptic SOT Irradiance Scans – Egeland, Centeno; CORE HOP 412**  
run on **21<sup>st</sup> September**
- **Cycle 24/25 Equatorial Transition - Egeland, Bryans, Centeno, Savage, Watanabe, De Pontieu; HOP 393, 2<sup>nd</sup>, 9<sup>th</sup>, 16<sup>th</sup>, 23<sup>rd</sup> and 30<sup>th</sup> September** (every Saturday)
- **North Polar Panorama Map – Shimojo; HOP 206**  
**September** dates are: **1<sup>st</sup>, 4<sup>th</sup>, 7<sup>th</sup>, 10<sup>th</sup>, 13<sup>th</sup>, 19<sup>th</sup> and 22<sup>nd</sup>**

#### **Monthly Science Reports**

- next **Hinode** monthly science report will be prepared by the **XRT** Team for **14<sup>th</sup> 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: **21<sup>st</sup> September 2023**, at **07:00 JST** and **20<sup>th</sup> 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.