

170th Hinode SSC Meeting on 25th March, 2020 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.

Following a request from **Shimizu-san**, SSC discussed provision of information each month on periods for which telemetry useage would be unusually high.. After the meeting, **Shimizu-san** and **Savage** agreed on how this could be arranged.

3. FM Calendar

An updated Focused Mode schedule was presented to the meeting. The next FM period will begin on **25th May**.

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

5. Periods of High Telemetry Usage

During up coming Solar Orbiter and Parker Solar Probe encounters, telemetry-intensive **HOP 415** and **HOP 416** will be run during the interval **29th April** to **7th May**. These HOPs will be run on alternate days. **HOP 416**, the more data intensive HOP, will not be run more than once in a single upload.

In addition, three HOPs (**407**, one of **409/410** and one of **415/416**) will be run on **28th April**

b. Previous Action Items.

Savage reported **HOP 403** was run successfully in **September** and does not require re-run at this time
Reeves to confirm **NuStar/XRT** observation of a small flare

Savage received clarification of "Full FoV" in **HOP 413** proposal and agreement for the **4th March** observation to be removed

Savage passed SSC advice to Hofmeister team; they received SSC support prior to proposal resubmission

Matthews to discuss details of **HOP 407** support for Solar Orbiter/SPICE observations with the

proposer (ongoing)

c. Review/Discussion of Open HOPs and ToOs

- routine **HOPs 412** (previously **79**), **81** and **130** were run as planned during **March**; dates for these HOPs were agreed at the meeting for **April**
- no ALMA coordinated observations are currently planned
- NuStar/XRT small flare observation is being analysed by **Reeves**
- run **HOP 409** if ARs are on disc; need to coordinate timing with new **HOP 415/416** and with VLA if possible; run in interval **28th April** to **8th May**
- **Reeves** and **Del Zanna** to coordinate future runs of **HOP 396**; EIS support for this HOP is now happening regularly; **Del Zanna** is happy with data from the new EIS study
- **HOP 411** team are waiting for a suitable target; **DeRosa** to continue discussion with **Tiwari**
- **HOP 407** to be run at the next Solar Orbiter/SPICE encounter
- IRIS team are not clear about support requests for **HOP 407** and **HOP 415/416**
- **HOP 413** has been run successfully
- EUNIS launch is scheduled for **May 18th**
- next XRT bakeouts will be delayed to **18th April** and **9th May** to avoid PSP perihelion period

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

The resubmitted proposal has come in two parts each of which will be assigned a new HOP number

1. A Holistic View on Coronal Holes – Hofmeister (stefan.hofmeister@columbia.edu), Warren/SSC, Ugarte-Urra/SSC; Study #1/HOP 415; Study #2/HOP 416

- observing campaign to build a holistic view of the solar source coronal hole of the high- speed solar wind stream seen by Parker Solar Probe (PSP) at its 8th perihelion on April 29th.
- 10 day campaign requested; **28th April** to **7th May**; observing time: ~ 4.5 hr/day
- #1: detailed scans of entire coronal hole; #2: high-cadence scans of coronal hole sub-region; #1 and #2 should be run on alternate days; #2 should only be run once during a single timeline upload
- SOLARNET observing time has been agreed; use SST/CHRISP and GREGOR/GRIS instruments
- SOT and EIS need a small test run to check FoV alignment and to assist estimation of extra telemetry requirement; **Matthews** and **DeRosa** to arrange for end of week beginning **29th March**
- **Savage** to email **Hofmeister** re EIS/SOT telemetry usage; completed following the meeting

Continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
 - run on **6th April** (N pole fast) and **8th April** (S pole fast)
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
 - run on **6th April**
- **Synoptic SOT Irradiance Scans – Egeland, Centeno; CORE HOP 412**
 - run on **15th April** (N/S only)
- **Cycle 25 Bright Points - Bryans , Centeno, Savage; HOP 336**
 - run on every Monday throughout **March**

- **Cycle 24/25 Equatorial Transition - Egeland, Bryans, Centeno, Savage, Watanabe, De Pontieu;**

HOP 393

- run on every Saturday throughout **March**

e. Monthly Science Reports

- next **Hinode** monthly science report will be prepared by the **SOT Team** by **15th April**

- **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: **22nd April, 2020** at **07:00 JST**; **21st April, 2020** as appropriate in US/Europe

- if **Savage** is unavailable, **McKenzie** will chair the meeting

g. AOB

MSFC will be hiring a term civil service employee to help with Hinode duties in the next few months (US citizen only)

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