

174th Hinode SSC Meeting on 22nd July, 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.

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

However HOP 423 on **30th July** and HOP 361 (Solar Orbiter coordination) in **September/October** will require high telemetry usage that should be specified.

During next week HOP 367, HOP 420 and HOP 421 require high TLM use.

3. FM Calendar

The current FM period began on **22nd June**.

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.

Shine will add next PSP encounter details to the calendar

Next Solar Orbiter encounter will require coordination on **August 17th**

HOP 411 will be run after end of focus mode on **9th August**

XRT team require guidance for **HOP 419** high cadence observations

Reeves to comment on observation cadence required for **HOP 421**

New HOP will be submitted by the EIS team for SPICE coordination

c. Review/Discussion of Open HOPs and ToOs

- **HOP 344** may be run in **August**; **Matthews** will submit a date
- next PSP encounter (#9) **August 4th to August 15th** is a backside encounter
- **BBSO** coordination has been completed

- **MaGIXS** support HOPs have been agreed
- EPO campaign will begin in two weeks on **2nd August**
- Solar Orbiter/SPICE coordination programme will run on **August 17th**
- a modified **HOP 361** will be run by the EIS team in the period **20th September – 11th October** for coordination with Solar Orbiter/SPICE; HOP is TLM-intensive

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

Four new HOP proposals were submitted

1. Joint Observations of the Flare Atmosphere – Garcia Rivas (marta.garcia.rivas@asu.cas.cz), Kašparova, Jurčák, Švanda, Zemanova, Berlicki, Heinzel, Bello Gonzalez, Mravcova, Savage/SSC, Watanabe/SSC, De Pontieu/SSC; HOP 422

- observe the atmospheric response to flare heating and support allocated observing time at GREGOR
- dates: **26th to 30th July** and **2nd to 6th August**; coordinate with GREGOR campaign; Hinode and IRIS to observe on as many days as possible
- time window: GREGOR observations: 07:30 UT – 13:00 UT; short interruptions allowed; prefer observations during earlier hours
- targets are TOO: observe sunspot umbrae; pick AR close to disc centre with high flare probability
- SOT, XRT and IRIS requests are given in HOP list; no EIS observations requested; EIS team may run a recent study prepared by **Landi** and **Brooks**

2. Solar Orbiter Polarimetric and Helioseismic Imager (SO/PHI) co-observations - Orozco Suárez (orozoco@iaa.es), Fischer, Hirzberger, Lagg and the SO/PHI team, Savage/SSC, Watanabe/SSC, De Pontieu/SSC; HOP 423

- perform coordinated observations with the Solar Orbiter (SolO) PHI instrument and with the Hinode and IRIS spacecraft
- dates: observations for interval **30th August to 26th September** are given in HOP list; specific UT observing times to be confirmed
- time windows: nominal times are given in HOP list; exact times will be provided two weeks before observations
- targets: for SO/FDT calibration, disk centre pointing is baseline; for HRT observations, specific pointings will be provided by **13th September**
- SOT, XRT. EIS and IRIS requests are given in HOP list;
- SOT has TLM difficulty in supporting requests for large and fast maps; SOT team will send a TLM availability statement to the proposers
- HOP 206 will be moved back by one day; **Shine** will change programme date
- XRT and EIS have no problem with requests

3. Coordinated Observation with CLASP 2.1 Rocket – Okamoto (okamoto@solar.isas.jaxa.jp), Rachmeler, Ishikawa, Mckenzie, DeRosa/SSC, Shine/SSC; HOP 424

- magnetic field measurement in the chromosphere
- dates: launch scheduled for **5th October**
- time window: 16:00 UT – 19:00 UT; rocket launch window: 17:30 UT – 18:08 UT
- target: Active Region plage
- SOT, EIS, XRT and IRIS requests are given in HOP list
- EIS team (**Matthews, Hara**) will send details of an appropriate study
- SOT, XRT and IRIS have no problem with requests

4. Solar Orbiter SPICE and EUI quadrature support – Janvier (miho.janvier@UNIVERSITE-PARIS-SACLAY.FR), Kucera, Prado, Buchlin, Parenti, Berghmans, Matthews/SSC, Culhane/SSC; HOP 425

- complementary observations in support of SPICE and EUI during quadrature for composition and dynamics studies
- date: **17th August**
- time window: 01:00 UT – 03:30 UT; 04:00 UT – 08:30 UT
- target: all XFOV/YFOV are as seen by SoLO at 0.67 AU; EIS/IRIS pointings at East limb, South pole and Disk centre are given in the HOP list with study timings; SPICE planner will communicate final pointings
- detailed EIS and IRIS observing requests are given in the HOP list
- no request for specific SOT or XRT observations; SOT can provide a context map: 180” across, 160” tall; XRT will run a CME watch programme

Additional Requests

SPICE team will request a HOP to be run on **5th November**; **Matthews** will check details
EVE cal rocket will be launched on **9th September**; **Tom Woods** has asked if Hinode team wish to do any joint observations

Continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run on **4th August** (N pole fast) and **6th August** (S pole fast)
- **HOP 206 – August** dates are: 8/23, 26, 29; **September** dates are 9/1, 4, 7, 10, 13, 16, 19, 22
- **HOP 81 – September** (max B angle) – 9/9/21 (N pole deep); 9/8/21 (S pole fast)
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **10th August**
- **Synoptic SOT Irradiance Scans – Egeland, Centeno; CORE HOP 412**
- run on **12th August**
- **Cycle 25 Bright Points - Bryans , Centeno, Savage; HOP 336**
- run on every Monday throughout **August**
- **Cycle 24/25 Equatorial Transition - Egeland, Bryans, Centeno, Savage, Watanabe, De Pontieu; HOP 393**
- run on every Saturday throughout **August**

e. Monthly Science Reports

- next **Hinode** monthly science report will be prepared by the **EIS Team** by **12th 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: **26th August, 2021** at **07:00 JST**; **25th August, 2021** as appropriate in US/Europe

g. AOB

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

14th Hinode meeting will be organised as a hybrid meeting if possible; deadline for decision: **20th August.**

Upcoming Hinode launch 15th anniversary should continue to be discussed by the team for more ideas.