

158th Hinode SSC Meeting on 26th 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

3. FM Calendar

It was suggested that **Hinode** would operate in focus mode from **Tuesday, 31st March**. EIS and SOT teams had no problems. XRT team requested that **HOP 79** and **HOP 130** be run in separate weeks so **HOP 130** was rescheduled to run on **21st April**. **Shimizu** agreed to the change in focus mode schedule.

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.

Details of the **HOP 344** EIS/IRIS scans to be coordinated with **De Pontieu Warren** to clarify PSP coordination dates.

c. Review/Discussion of Open HOPs and ToOs

- routine **HOPs 79, 81** and **130** were run as planned during **March**; dates for these HOPs were agreed at the meeting for **April**
- **HOP 336** and **HOP 393** dates were also confirmed
- **De Rosa** confirmed the **HOP 393** observation schedule
- launch dates for upcoming sounding rocket flights were communicated; EUNIS: **24th/25th April**; MaGIXS: **12th May** (tentative); EVE: **25th August**
- all of these dates are now on hold pending resolution of the virus crisis
- HOP submission by **Savage** for Hinode support of MaGIXS is also pending
- **Savage** to check DKIST status; facility has possibly been closed due to virus crisis
- **Reeves** to check timing of Hinode support for Chandrayan-2 (**HOP 396**)

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

There were two new HOP proposals.

1. Hinode/SOT and PHI Solar Orbiter Coordination for Commissioning – David Orozco Suarez (orozco@iaa.es), Savage/SSC, Watanabe/SSC, De Pontieu/SSC; HOP 397

- comparison between SOT SP data and PHI full polarimetric data in order to test the polarimetric calibration and processing of PHI data pipeline.
- dates: as in current Solar Orbiter plan but operations are currently suspended
- time window: approx. 3 hours each day
- targets: for FDT calibration, disc centre is baseline; if ARs are present, request pointing at them
- for HRT calibration, disc centre is also baseline; if ARs are present point at them if they are close to disc centre
- SOT requests are given in HOP description
- no specific EIS or XRT requests but good to have any AR data available

2. Height Tomography and Temporal Evolution of the Velocity Structure within and next to Magnetic Bright Points - Kilian Krikova (kilian.krikova@edu.uni-graz.at), Dominik Utz (dominik.utz@uni-graz.at), Matthews/SSC, Culhane/SSC; HOP 398

- ground-based SST campaign to study the velocity structure within Magnetic Bright Points with support of Hinode and IRIS for detailed analysis of activity above the studied MBP structures through the solar atmosphere
- dates: **21st – 28th April** during the SST campaign, eight consecutive days desired but not required
- time window: 07:30 UT – 12:30 UT; short interruptions allowed
- targets: quiet sun close to disc centre, coronal hole if available and QS/CH boundary
- SOT, XRT and IRIS requests are given in HOP description
- SST observations essential but currently not possible given Covid-19 situation; SST plans remain under review
- new study requested for EIS; currently not possible to validate it given inability to access EIS instrument simulator; EIS team will check for availability of similar existing studies

Continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run on **7th April (N pole fast)** and **9th April(S pole fast)**
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **21st April**
- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **16th April (N/S only)**
- **Cycle 25 Bright Points - Bryans , Centeno, Savage; HOP 336**
- run on every Monday throughout **April**

- **Cycle 24/25 Equatorial Transition - Egeland, Bryans, Centeno, Savage, Watanabe, De Pontieu; HOP 393**
- run on every Saturday throughout **April**

e. Monthly Science Reports

- next **Hinode** monthly science report will be prepared by the **EIS Team** by end of **March**
- **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: **23rd April, 2020** at **07:00 JST**; **22nd April, 2020** as appropriate in US/Europe

g. AOB

Senior Review proposal due date has been moved to **6th May**
ESA proposal inputs have been provided to **Bernhard Fleck**