

## 162<sup>nd</sup> Hinode SSC Meeting on 16<sup>th</sup> 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

##### 3. FM Calendar

Hinode is operating in normal mode from **July 7<sup>th</sup>**.

##### 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.

**Reeves** will check possible dates for a further run of **HOP 396**

**Matthews** will check dates for **HOP 399** to be run later in the summer.

**Savage** will check dates for upcoming sounding rocket flights; especially EUNIS

#### c. Review/Discussion of Open HOPs and ToOs

- routine **HOPs 79, 81 and 130** were run as planned during **July**; dates for these HOPs and for **HOP 206**, were agreed at the meeting for **August**
- **HOP 336** and **HOP 393** dates were also confirmed
- next **HOP 344** full-disc mosaic will be run on **7<sup>th</sup>** and **8<sup>th</sup> September** after Hinode eclipse
- no Nu Star inputs have been received
- next PSP coordination will be far-side; dates: **21<sup>st</sup> September – 2<sup>nd</sup> October**
- dates for a **HOP 399** run later in the summer will be checked by **Matthews**
- **HOP 400** will be run in **September**; EIS studies are being prepared
- possible dates for **HOP 403** to run after **8<sup>th</sup> September** will be checked by **Savage**
- launch dates for upcoming sounding rocket flights – EUNIS, MaGIXS and EVE, remain on hold pending resolution of the virus crisis; **Savage** will inform SSC of any developments

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

There were two new HOP proposals.

##### **1. The Role of Chromospheric Jets for the Heating of Plages – Kitai ([kitai@kwasan.kyoto-u.ac.jp](mailto:kitai@kwasan.kyoto-u.ac.jp)), Asgari-Targhi ([masgari-targhi@cfa.harvard.edu](mailto:masgari-targhi@cfa.harvard.edu)), UeNo ([ueno@kwasan.kyoto-u.ac.jp](mailto:ueno@kwasan.kyoto-u.ac.jp)), Sekii/SSC; HOP 362**

- chromospheric jets and photospheric magnetic fields in plage regions
- dates: **20<sup>th</sup> – 25<sup>th</sup> July**; minimum observation: 3 days; no need for observations to be on consecutive days
- time window: 00:00 UT – 03:00 UT; if possible, extend to 06:00 UT; short interruptions are possible
- targets: time variation of temperature and turbulence around chromospheric jets and spatial distribution of photospheric magnetic fields in plage regions
- details of **SOT**, **EIS**, **XRT** and **IRIS** requests are given in HOP list
- observations will be run in coordination with the DST at Hida Observatory
- HOP 362 has been run on three previous occasions

##### **2. On the Link between Outflows observed by BBSO/GST, IRIS, and Hinode/EIS; Lim ([eklim@kasi.re.kr](mailto:eklim@kasi.re.kr)), Cho ([kscho@kasi.re.kr](mailto:kscho@kasi.re.kr)), Madjarska ([mariamadj@gmail.com](mailto:mariamadj@gmail.com)), Ugarte-Urra/SSC; HOP 404**

- measure Doppler velocities, temperatures, densities and abundances in a polar coronal hole, Quiet Sun, and their boundary to be compared with the densities, temperatures, and speeds in the extended solar corona seen in coronagraphic images.
- dates: **18<sup>th</sup> – 31<sup>st</sup> July**; coordinate with BBSO
- time window: 16:00 UT – 22:00 UT each day; at least 3 hr observation requested, 6 hr desired
- targets: coronal bright points, spicules, coronal hole plumes
- no request for **SOT** support
- **XRT** request: Al poly, 30 sec cadence
- **EIS** is the primary Hinode instrument; details for the different days are given in the HOP list
- agreed **IRIS** requests are also given in the HOP list

Continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run on **4<sup>th</sup> August** (N pole fast) and **6<sup>th</sup> August** (S pole fast)
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **18<sup>th</sup> August**
- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **13<sup>th</sup> August** (N/S only)
- **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**

- **Polar Panorama Map for Polar Reversal in Cycle 24 – Shimojo; HOP 206**  
**August** dates are: **25<sup>th</sup>, 28<sup>th</sup>, 31<sup>st</sup>**; continues into **September**

**e. Monthly Science Reports**

- next **Hinode** monthly science report will be prepared by the **EIS Team** by **17<sup>th</sup> August**
- **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: **13<sup>th</sup> August, 2020** at **07:00 JST**; **12<sup>th</sup> August, 2020** as appropriate in US/Europe

**g. AOB**

Senior Review presentation will be made virtually in week beginning **17<sup>th</sup> August**.