

150th Hinode SSC Meeting on 25th July, 2019 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 focus mode calendar has been updated. Upcoming sounding rocket launch dates are included.

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

On-going action for **Savage** to inform COs how NuStar and Alma requests should be handled

There was still no further information on the outcome of the recent **HOP 371** run.

Shine and **Reeves** to discuss Hinode requirements with the **HOP 377** proposers

Reeves confirmed that there was now no overlap between XRT bakeout and **HOP 378** observations

Mckenzie confirmed that **HOP 380** (MOSES launch) proposers were aware of how to obtain Hinode SAA transit times.

c. Review/Discussion of Open HOPs and ToOs

- routine **HOPs 79, 81 and 130** were run as planned during **July**; dates were agreed for **August** when **HOP 206** will also start
- **Shine** and **Reeves** will discuss **HOP 377** requirements with the proposers
- **HOP 378** will not overlap with XRT bakeout when it is run during **August**
- **HOP 344** will be run in late August; **Savage** will contact **De Pontieu** regarding schedule
- following end of eclipse season, **ToO HOP 367** should be scheduled in late **August**
- **HOP 373** should be scheduled to run starting **23rd September**
- recent eclipse HOP was successful; following check, **EIS** data look good
- for **HOP 375**, **EIS** data need to be checked; communication with **SST** was poor
- **HOP 379** will be run in **September**; the **EUNIS** launch date remains unchanged

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

1. The Role of Chromospheric Jets for the Heating of Plages - Kitai (kitai@kwasan.kyoto-u.ac.jp), Yoshizuka, Asgari-Targhi, Sakaue, UeNo, Sekii/SSC; HOP 362

- spectroscopically revealing the role of chromospheric jets for the heating of plages by investigating time variation of chromospheric absorption lines around fine structures in plages
- re-run requested to start on **30th July**

2. Observations for Inferring the Plasma Beta Parameter in Different Quiet Sun Regions - Palacios (jpalacios@leibniz-kris.de), Rodríguez-Gómez, Tatiana, Podladchikova, Veronig, Gömöry, Savage/SSC, Watanabe/SSC, De Pontieu/SSC; HOP 381

- estimation of the plasma beta parameter for different magnetic field regimes: (a) for quiet sun and faculae, (b) for coronal holes.
- targets of interest: quiet sun, weak faculae and non-polar coronal holes, at sun center and limb.
- observation dates: **10th to 22nd October**; time window: best from 08:00 UT onwards; if necessary follow IRIS start times for October; required observation time: 3 hr/day.
- **SOT, EIS, XRT and IRIS** support requested; details in HOP list; coordinated campaign with **GREGOR and IRIS**
- **Reeves** will discuss details of XRT filter use; **Matthews** will clarify the proposed use of **EIS HOP 232**

3. Magnetic Field Intensification in the Quiet Sun at High Resolution - Fischer (cfischer@leibniz-kis.de), Savage/SSC, Watanabe/SSC, De Pontieu/SSC; HOP 382

- determine the fine structure of the magnetic elements undergoing convective collapse and study the chromospheric response to these events
- target of interest: quiet sun at disc centre
- only **Hinode/SOT** support requested; request for support submitted to **IRIS** team
- observation dates: **12th to 19th August**; run jointly with **GREGOR**; no apparent schedule conflict

4. Polar Panorama Map for Polar Reversal in Cycle 24 – Shimojo (shimojo@nro.nao.jp); HOP 206

- target will be North polar region; obtain data for North Pole
- schedule every three days during **August/September**; run **25th, 28th and 31st August**; continue in **September**

Continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run on **8th August** (N pole fast) and **10th August** (S pole fast)
- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **15th August** (N/S only)
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **6th August** and **27th August**

- **Cycle 25 Bright Points - Bryans , Centeno, Savage; HOP 336**
- run on every Monday at S45 and N40; **5th, 12th, 19th and 26th August**

e. Monthly Science Reports

- next **Hinode** monthly science report will be prepared by the **XRT Team** by ~ **9th 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: **22nd August, 2019** at **07:00 JST**; **21st August, 2019** as appropriate in US/Europe

g. AOB

Matthews asked when the selected talk and poster contributions for **Hinode 13** would be announced. **Savage** was uncertain of the exact date but believed that an announcement was imminent.