

151st Hinode SSC Meeting on 22nd August, 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

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

Savage will contact **De Pontieu** regarding **HOP 344** schedule; this was agreed following the meeting

Reeves to clarify **HOP 381** filter use; this was agreed

Matthews to clarify proposed use of EIS in **HOP 381**; reply not yet received from proposers

c. Review/Discussion of Open HOPs and ToOs

- routine **HOPs 79, 81 and 130** were run as planned during **August**; dates were agreed for **September**; **HOP 206** began in **August** and will continue through **September**
- **Shine** and **Reeves** will discuss **HOP 377** requirements with the proposers; action has been completed
- **HOP 344** will be run in **September** following conclusion of PSP encounter
- **HOP 366** will provide PSP support; it will run **27th August to 7th September**; agreed that **Warren** would circulate planning details to Hinode COs; this was done following the meeting
- **EUNIS** rocket launch date now **13th November**;
- **HOP 367** still needs to be scheduled; **Savage** to check situation
- **HOP 314** for Venus/Akatsuki coordination was run successfully in mid-August; excellent data obtained

- **HOP 378** was run successfully; **HOP 379** will be run starting **19th September**
- **HOP 384** dates changed from **3rd - 13th September** to **3rd - 11th September**; necessary to allow running of EIS/IRIS full-disk scan
- **HOP 312** proposers require at least one fast map at disc centre for each IRIS observing day; are aware that observations are likely feasible only on **9th, 10th and 14th September**
- **MOSES** rocket launch date now set for **24th September**

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

1. The Role of Vertical Magnetic Fields in Active Regions - Garcia-Rivas

(marta.garcia.rivas@asu.cas.cz), DeRosa/SSC, Shine/SSC; HOP 384

- analyse the vertical component of the vector magnetic field in active regions; study the evolution of the magnetic properties on the boundary of pores and umbrae, if any.
- main target are active regions; from emerging active regions to pores and sunspots
- observation dates: **3rd to 13th September**; time window: 07:00 UT - 15:00 UT to coordinate with GREGOR telescope whenever Hinode/SOT - SP is available
- no requests for XRT, EIS or IRIS

2. Link between Outflows observed by BBSO/GST, IRIS, and Hinode/EIS and Structures seen in Coronagraphic Images taken from BITSE - Ryung-Young Kwon (rkwon@kasi.re.kr), Kyoung-Sun Lee, Jaeok Lee, Heesu Yang, Kyung-Suk Cho, Warren/SSC, Ugarte-Urra/SSC; HOP 385

- measure Doppler velocity, temperature, density, and abundance in a polar coronal hole, quiet sun, and their boundary to be compared with the density, temperature, and speed in the extended solar corona seen in coronagraphic images.
- targets of interest: polar coronal hole (polar plume), quiet sun and their boundary
- observation dates: **27th - 31st August** (minimum of two days); BITSE balloon launch date (**27th August - 15th September**); coordinate with BITSE launch and with GREGOR time window (16:00 - 20:00 UT)
- EIS and XRT support requested; Hinode support unavailable on **1st September**
- coordination with BITSE launch has priority over PSP HOP 366

3. Magnetic Field in and around explosive Granules - Frank (zoe@lmsal.com), Roudier, Malherbe, DeRosa/SSC/SSC, Shine/SSC; HOP 312

- measure the magnetic field around and in explosive granules and granular variation over the solar cycle
- target of interest: disc centre, quiet sun, tracking
- observation dates: **9th to 14th September**; one day in coordination with **IRIS** and **THEMIS**; **IRIS** only available **9th, 10th and 14th**
- **SOT** can make the requested fast map at 15:00 UT
- **Savage** will discuss possible interaction with HOP 384

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 **September**; run **3rd, 6th, 9th, 11th, 15th, 18th, 21st and 24th**; note that **11th** is an adjusted date to accommodate HOP 344 start

Continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run on **7th Sept** (S pole fast), **9th Sept** (N pole deep) and **6th Sept** (N pole fast)
- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **10th September** (N/S only)
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **17th September**
- **Cycle 25 Bright Points - Bryans , Centeno, Savage; HOP 336**
- run on every Monday throughout **September**

e. Monthly Science Reports

- next **Hinode** monthly science report will be prepared by the **SOT Team** by ~ **9th October**
- **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 September, 2019** at **07:00 JST**; **25th Sept, 2019** as appropriate in US/Europe

g. AOB

Savage was uncertain of her availability to attend Hinode 13 but will provide all required information
Hinode calendar can be accessed from NASA website