169th Hinode SSC Meeting on 18th February, 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 will operate in normal mode from **9th February**. See calendar for **February** details

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.
Need for further run of **HOP 403; Savage** will check; ongoing
Reeves to comment when results are available from the **NuStar** coordination; XRT and NuStar may have observed a small flare; ongoing
Savage will check dates for upcoming sounding rocket flights; possible EUNIS launch now scheduled for **18th May;** MaGIXS scheduled for **30th July;** ongoing

c. Review/Discussion of Open HOPs and ToOs
- routine **HOPs 412** (previously **79), 81** and **130** were run as planned during **January;** dates for these HOPs and for **HOP 206**, were agreed at the meeting for **February**
- **HOP 344** should be run following IRIS eclipse season; IRIS team prefer a weekend schedule
- next PSP encounter will be from **April 24th** to **May 4th**
- **HOP 396** to run again as ToO in **March/April**
- **HOP 411** may be run soon as suitable target may shortly be available
- Solar Orbiter/SPICE team request Hinode support observations in **March**; **HOP 407** to be run in the interval **21st – 24th March, Matthews** will discuss details with the proposer
- need for further run of **HOP 403**

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

There were four new/updated HOP proposals.

1. Synoptic SOT Latitudinal Scans (updated version of HOP79) – Egeland (egeland@ucar.edu), Centeno (rce@ucar.edu), DeRosa/SSC, Shine/SSC; HOP 412 (previously HOP 79)
- updated HOP was confirmed
- update added to existing HOP 79 page to point to new HOP

2. Coordinated Observation of Hinode, Akatsuki, and BepiColombo for a Heliospheric System Investigation - Takeshi Imamura (t.imamura@edu.k.u-tokyo.ac.jp), Go Murakami, Kazumasa Iwai, Daiko Shiota, Toshifumi Shimizu, Shinsuke Imada, Yoshizumi Miyoshi, Savage/SSC, Watanabe/SSC, De Pontieu/SSC; HOP 413
- coordinated observation by Hinode, Akatsuki, and BepiColombo for investigating the corona where the solar wind is accelerated
- dates: **4th, 6th, 8th, 10th, 12th** and **13th – 14th March**
- time windows: **4th – 12th March:** any time; **13th March:** 08:40 – 20:00 UT; **14th March:** 08:00 – 20:00 UT
- targets: South Pole region and South-West limb
- SOT to observe South pole for **4th – 12th March**
- EIS and XRT to observe corona and tangent phenomena around South-West limb: **13th/14th March**
- given TLM useage conflict on **4th March**, **Savage** will ask proposers if they can remove observation on that date and will seek clarification of "Full FoV" request to EIS and XRT
- XRT team may need to increase observation time to take more images

3. A Holistic Vew on Coronal Holes – Hofmeister (stefan.hofmeister@columbia.edu), Warren/SSC, Ugarte-Urra/SSC; Resubmission requested
- observing campaign to build a holistic view of the solar source coronal hole of the high- speed solar wind stream seen by Parker Solar Probe (PSP) at its 8th perihelion on April 29th.
- 10 day campaign requested; **28th April** to **7th May**
- proposal was complex and difficult to interpret in places; suggestion that submission of two IHOPs could be better
- related SOLARNET proposal for ground-based observations has not yet been accepted; outcome to be available by **25th February**; delay resubmission until outcome known
- **Savage** will convey final SSC decision to proposer following further discussion with SSC members

4. Coronal Magnetic Field Evolution in Active Regions – French (ryan.french.14@ucl.ac.uk), Landi, Matthews, Brooks, del Zanna, Valori, Matthews/SSC, Culhane/SSC; HOP 414
- combine measurements from EIS with magnetic field extrapolations to track the evolution of the magnetic field in an active region
- dates: **23rd – 29th March**
- time window: 4-6 hours minimum each day to provide coverage of the active region evolution; if possible and target has high probability of flaring, longer would be desirable; interruptions for synoptic observations acceptable
- target: AR on disc; to be chosen for disc centre proximity and flaring likelihood
- SOT request; as for HOP 409
- XRT, EIS and IRIS requests as given in HOP list

Continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run on **3rd March (**N pole fast**)** and **5th march (**S pole deep**)**

- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **16th March**

- **Synoptic SOT Irradiance Scans – Egeland, Centeno; CORE HOP 412**
- run on **18th March** (N/S only)

- **Polar Panorama Map for Polar Reversal in Cycle 24 – Shimojo; HOP 206**
  March dates are: **1st, 4th, 7th, 10th, 13th, 16th, 19th, 22nd** and **25th**

- **Cycle 25 Bright Points - Bryans , Centeno, Savage; HOP 336**
- run on every Monday throughout **March**

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

e. Monthly Science Reports

- next **Hinode** monthly science report will be prepared by the **SOT Team** by **15th April**
- **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: **25th March, 2020** at **07:00 JST**; **24th March, 2020** as appropriate in US/Europe

g. AOB

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