156th Hinode SSC Meeting on 16th January, 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 focus mode change has been made and is on-line.

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
Proposer will suggest a target for **HOP 367** which has not yet been run; EIS team will check
Dates are required for the three rocket launches scheduled for **May** and **June**
Savage to discuss VLA coordination for **HOP 390**

c. Review/Discussion of Open HOPs and ToOs

- routine **HOPs 79, 81** and **130** were run as planned during **January;** dates were agreed at the meeting for **February**
- **HOP 344** (EIS/IRIS full disc scans) will next be run during the upcoming PSP encounter. IRIS team will be unable to support until after **18th February** because of the eclipse season.
- **Warren** and **Brooks** circulated proposed pointings and observation times for the full-disc scan for interval **18th - 20th January, SOT** and **XRT** teams have agreed to support the scans; XRT team will change their next bakeout date from 26th Jan to 5th Feb
- following discussion **Warren** will circulate a final agreement on PSP pointings after the meeting
- **Savage** will continue to monitor **VLA** coordination with **HOP 390** schedule
- the EUNIS launch has been moved to an **April** date; final date to be advised

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

There were no new HOP proposals.

1. Understanding the Correlation between Solar Abundances and F10.7 Radio Emission using VLA - Andy S.H. To (shu.to.18@ucl.ac.uk), David Brooks (dhbrooks.work@gmail.com), Deborah Baker, Tim Bastian (tbastian@nrao.edu), Paul Bryans, David Long, Lidia van Driel-Gesztelyi, Bart De Pontieu (bdp@lmsal.com), Magnus Woods, Savage/SSC, Watanabe/SSC, De Pontieu/SSC; HOP 390

- to understand the correlation between solar abundances and F10.7 radio emission during various activity periods of the Sun
- dates: ToO within the allocated VLA configuration C period **6 Feb 2020** to **11 May 2020**
- time window: coordinated observations with the VLA from 13:05 to 01:10 UT. EIS and IRIS scans to run a few hours before/after the VLA window
- target: first priority: full disk scan of multiple ARs on disk; second priority: single AR

2. Solar Wind Release near Coronal Hole Boundaries during the Fourth Parker Solar Probe Perihelion - Diego de Pablos (diego.pablos.18@ucl.ac.uk), David Stansby (d.stansby@ucl.ac.uk), Andy S.H. To, Ryan French, Joel Abraham, Deborah Baker, Sarah Matthews, Matthews/SSC, Culhane/SSC; HOP 392

- measuring plasma parameters at a coronal hole boundary to investigate how solar wind near the heliospheric current sheet is released; in support of Parker Solar Probe's 4th perihelion
- dates: ToO when PSP footpoint is within prime HMI field of view; currently predicted for between **23rd January, 14:00 UT** and **4th February, 05:15 UT**
- target: primary is a coronal hole 1 hr scan; if AR emerges use a 3 hr scan; three observations beneficial; beginning, middle and end of five day period
- how to reconcile this request for observing time with the other observations planned during the PSP encounter is still under discussion

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

- target will be South polar region; obtain data for South Pole
- schedule during **February;** run on **19th, 22nd, 25th** and **28th February**

Continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run on **4th February (N pole fast)** and **6th February (S pole fast)**

- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **20th February (**N/S only**)**

- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **11th February**

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

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

e. Monthly Science Reports

- next **Hinode** monthly science report will be prepared by the **EIS Team** by **~ 17th January**
- **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: **20th February, 2020** at **07:00 JST**; **19th February, 2020** as appropriate in US/Europe

g. AOB

Final Senior Review science inputs are urgently required.
Funding request has ben submitted for support of the Hinode/IRIS meeting, to be held in Washington in July, 2020.
Fleck has requested input for support of a European extension to the Hinode mission. M**atthews** will contact him to request more detail of the ESA requirements.