

99<sup>th</sup> Hinode SSC Meeting on 23<sup>rd</sup> April, 2015 at 07:00 JST

**Short Summary, Conclusions and Actions**

**a. Program Status**

**1. Instrument Status Review**

**SOT** not quite nominal (see report of 63<sup>rd</sup> SSC); blurring and intensity changes now visible for 20% - 25% of the NFI field of view; NFI observations remain possible but will take a little longer; no change reported from **March** status.

**XRT** is nominal

**EIS** is nominal

**2. Momentum Wheel Reset Operation**

This was carried out successfully

**3. Flare Watchdog**

**ACTION: Savage** will consider how to implement this function and discuss mechanisms with **Shimizu-san. Ongoing**

**4. Focused Mode Liaison**

Not required until start of next focused mode interval - currently being discussed (see **d.6**)

**5. Changes to Instrument Telemetry (on-board storage) Allocation**

**ACTION: Any telemetry allocation change agreements for a HOP should be communicated to Watanabe for inclusion in the Monthly Events listing and ideally in the HOP list**

**6 . 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**

One action from the previous meeting by **Savage** is ongoing.

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

- routine **HOPs 79, 130 and 81** were run as planned during **April**

- **HOP 284** was not completely successful due to **IRIS** data download issues; solar eclipse HOP **278** was run successfully

- following discussion, dates for the **May** running of **HOPs 81, 130 and 79** were agreed

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

##### **1. Multi-height Helioseismology of Quiet-Sun and Active Regions: Coordinated Observations with VTT - Wisniewska ([aneta.wisniewska@kis.uni-freiburg.de](mailto:aneta.wisniewska@kis.uni-freiburg.de)), Savage ([sabrina.savage@nasa.gov](mailto:sabrina.savage@nasa.gov)); HOP 285**

- high-cadence imaging observations of solar oscillations; observe jointly with **IRIS** and **VTT/Teide**
- observing window: **23<sup>rd</sup> May to 4<sup>th</sup> June; 09:00 UT to 19:00 UT**; minimum duration: **4 hr**; request 3 days Quiet Sun and 3 days Active Region observation

**ACTION: Shine to confirm with proposers what small level of interruption is tolerable**

##### **2. Understanding the Driving Mechanisms & Properties of Rapid Blue-shifted Excursions (RBEs) using IBIS and Hinode - Deng ([nd7@njit.edu](mailto:nd7@njit.edu)), Wang; HOP 203**

- request for further run of **HOP 203**; joint observation with **BBSO/NST, NSO/DST, IRIS**
- observing window: **8<sup>th</sup> - 14<sup>th</sup> June; 14:00 UT - 23:00 UT** for **BBSO** and **NSO** coverage

##### **3. Gravitational Lens of Mercury: Moiré around Mercury on the Sun Disk seen from Hinode - Sato ([msato@honda-el.co.jp](mailto:msato@honda-el.co.jp))**

- insufficient detail provided; request full proposal; related transit thought to occur in **May, 2016**

##### **4. Magnetic Field Structure of Prominences, Solar Tornadoes and Spicules - Schmieder ([brigitte.schmieder@obspm.fr](mailto:brigitte.schmieder@obspm.fr)), Labrosse ([nicholas.labrosse@glasgow.ac.uk](mailto:nicholas.labrosse@glasgow.ac.uk)); HOP 255**

- request for further run of **HOP 255**; joint observation with **Meudon/MDSP, THEMIS** and **IRIS**
- observing window: **4<sup>th</sup> - 7<sup>th</sup> and 11<sup>th</sup> - 14<sup>th</sup> May; 08:00 UT - 12:00 UT**

##### **5. Prominence Dynamics - Okamoto ([take@joten.info](mailto:take@joten.info)), Liu, De Pontieu; HOP 254**

- request further run of **HOP 254**; observing window: **28<sup>th</sup> April - 4<sup>th</sup> May; 08:00 UT - 12:00 UT**; joint observation with **IRIS**

##### **6. Coordinated observations with SDO/EVE Calibration Rocket - Mariska ([jtmariska@gmail.com](mailto:jtmariska@gmail.com)), Reeves ([kreeves@cfa.harvard.edu](mailto:kreeves@cfa.harvard.edu))**

- launch scheduled for **21<sup>st</sup> May, 19:00 UTC**
- request to **EIS**; run **HOP 130** twice with disc centre pointing at nominal launch time
- request to **XRT**; obtain a full-disc solar image

**Focused mode start delayed for HOP 130 - new start date of 26<sup>th</sup> May agreed following the meeting**

The continuing monthly observations are:

- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **19<sup>th</sup> May (N/S)** and **24<sup>th</sup> May (E/W)**
- **Polar Monitoring - Shimojo; CORE HOP 81**
- run **fast scans** on **12<sup>th</sup> May; N pole** and **14<sup>th</sup> May; S pole**
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **5<sup>th</sup> May and 21<sup>st</sup> May, 2015**; run twice on **21<sup>st</sup> May** in support of **EVE** calibration rocket

**e. Monthly Science Reports**

- next Hinode monthly coordinated science report to be prepared by **XRT/Reeves** for ~ **8<sup>th</sup> May, 2015**
- see [http://hinode.msfc.nasa.gov/science\\_charts/](http://hinode.msfc.nasa.gov/science_charts/) for template and previous charts

**f. Date of Next Meeting**

- next meeting: **28<sup>th</sup> May, 2015** at **07:00 JST**; **27<sup>th</sup> May, 2015** as appropriate in US/Europe

**g. AOB**

- **Savage** presented the Hinode Senior Review Hinode submission to the panel. Presentation appeared to be well received.