

102nd Hinode SSC Meeting on 23rd July, 2015 at 07:00 JST

Short Summary, Conclusions and Actions

a. Program Status

1. Instrument Status Review

SOT not quite nominal (see report of 63rd 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 **May** status. The annual bakeout was completed satisfactorily and acquisition of flat fields is underway.

XRT has developed a new visible light leak as reported at previous meeting. Ti/Poly filter is significantly affected - should not be used for photometric measurements. Images taken in and out of eclipse allow correction of filter images

EIS is nominal; prior to September CCD bakeout, 1 arc sec slit should not be used in studies of Coronal Holes or other low surface brightness targets due to current line profile uncertainties. Bakeout will be planned in detail on 28th July.

2. New HOP Submission Form

Following circulation and web posting (<http://hinode.msfc.nasa.gov/hops.html>) of new form by **Savage**. **HOP** proposers should now use the new agreed format for their submissions.

3. 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

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

There were no outstanding actions from the previous meeting.

c. Review/Discussion of Open HOPs and ToOs

- routine HOPs **130**, **79** and **81** were run as planned during **July**.
- following discussion, dates for the **August** running of **HOPs 130** and **79** were agreed avoiding focused mode conflict; **HOP 81** was scheduled to run at the end of a focused mode interval.
- HOPs already scheduled for **August** include:

Active Region Filaments - Observing Shear Flows and the Evolution of Magnetic Shear along Magnetic Neutral Lines with GREGOR, VTT, and Hinode - Verma (mverma@aip.de), Kuckein, Balthasar, Denker, Savage (sabrina.savage@nasa.gov), DePontieu (bdp@lmsal.com); HOP 287

- coordinate with GREGOR, VTT, Tenerife; schedule August 10th -19th: 08:30 UT - 10:30 UT
- proposers have contacted DePontieu and a schedule is now in the IRIS observation calendar

Coordinated Hinode, IRIS and NST observations of type II spicules - Hong (hshongjie@126.com), Watanabe (watanabe@uvtlab.mtk.nao.ac.jp); HOP 286

- coordinate with BBSO/NST and IRIS; schedule August 17th -19th: 18:00 UT - 21:00 UT each day

Transition Region Explosive Events: Support of MOSES-II Rocket - Kankelborg, Tarbell, McKenzie (mckenzie@solar.physcis.montana.edu); HOP 252

- rocket launch now scheduled for August, 25th; WSMR launch window: 17:25 UT - 18:40 UT
- IRIS observing plan defined; XRT bakeout to start on 22nd August to accommodate launch date

EPO Campaign Observations mainly for High School Students -Yaji (kentaro.yaji@nao.ac.jp); HOP 173

- run for interval 24th - 29th August, 02:00 UT to 06:00 UT

Multi-wavelength Observations of Solar Flares - Cheng (chengjx@shao.ac.cn), Watanabe (watanabe@uvtlab.mtk.nao.ac.jp); HOP 288

- run in interval 27th - 31st August; time window: 17:00 UT - 23:00 UT
- EIS study IDs: #458 and #485

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

1. Fine Structure and Dynamics of Solar Filaments/Prominences - Su (ynsu@pmo.ac.cn), Reeves (kreeves@cfa.harvard.edu); HOP 289

- coordinate with BBSO/NST; schedule for August 1st - 8th; 17:00 UT - 21:00 UT
- tested successfully in late July
- Reeves to clarify required EIS studies
- scheduled during focused mode but active region filaments can be observed

2. SST-IRIS-Hinode campaign - Tarbell (tarbell@lmsal.com), De Pontieu (bdp@lmsal.com), van der Voort; HOP 257

- coordinate with SST, La Palma; schedule in period September 3rd to October, 14th; 08:00 UT - 11:00 UT each day
- targets updated following discussion at previous meeting
- Tarbell to send updates for this HOP to Watanabe-san

3. Coordinated Observation with CLASP Rocket - Ishikawa (ryoko.ishikawa@nao.ac.jp); HOP 290

- rocket launch scheduled for September 3rd; WSMR launch window: 17:30 UT - 18:15 UT
- overlap with SOT/HOP 257 observation start is acceptable
- new EIS studies are being prepared

4. Chromospheric Jets around Active Regions: Coordinated observation between Hida Obs, Fuxian Solar Obs and Hinode - UeNo (ueno@kwasan.kyoto-u.ac.jp), Ichimoto (ichimoto@kwasan.kyoto-u.ac.jp); HOP 291

- coordinate with **HIDA** and **Fuxian** solar observatories; schedule for **August 17th - 23rd; 00:00 UT - 04:00 UT**
- given overlap with two other **HOPs**, priority should increase after **19th August**

5. Multi-wavelength Observations of Small Brightening Events in the Chromosphere-TR-Corona and their Magnetic Properties - Kanoh (kanoh.ryuichi@ac.jaxa.jp), Shimizu (shimizu.toshifumi@isas.jaxa.jp); HOP 292

- run in interval **11th - 15th August**; schedule one **3 hr** observation of an AR with emerging activity or of a moat region in a well developed sunspot
- proposers should discuss required observations with **IRIS** team

The continuing monthly observations are:

- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **13th August (N/S)** and **15th August (E/W)**
- **Polar Monitoring - Shimojo; CORE HOP 81**
- run **fast scans** on **9th August; S pole** and **10th August; N pole**
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **18th August**

e. Monthly Science Reports

- next Hinode monthly science report will be prepared by **Savage**
- see http://hinode.msfc.nasa.gov/science_charts/ for template and previous charts

f. Date of Next Meeting

- next meeting: **27th August, 2015 at 07:00 JST; 26th August, 2015** as appropriate in US/Europe

g. AOB

- **Savage** reported a very positive outcome to the **Senior Review** process
- efforts by the **Hinode** team to streamline mission operations were recognized as was the high quality of the ongoing mission science
- three missions were rated at the highest level including **Hinode** and **IRIS**