

98th Hinode SSC Meeting on 19th March, 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 February status.

XRT is nominal

EIS is nominal

2. Momentum Wheel Reset Operation

Will occur from ~ 07:00 UT/24th March to ~ 07:00 UT/26th March. No observations during this time

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 on 12th May.

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

Two actions from the previous meeting were completed (one) and continued (one) by Savage.

c. Review/Discussion of Open HOPs and ToOs

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

- HOP 277 was run successfully but was hampered by poor weather at Sac Peak/DST

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

d. Review of New Proposals and Scheduling of Observations

1. Magnetic Structures within Coronal Holes - Young (pyoung@ssd5.nrl.navy.mil); HOP 177

- target: Polar Coronal Hole that extends to low latitudes; observation needs complete OP period
- HOP requires increased telemetry allocation for **EIS**; **SOT** Team agreed to a 50% allocation for **EIS**
- **XRT** Team agreed to forego their synoptic observations during a **two day** observing interval
- observation agreed for **29th - 31st, March**

2. IHOP proposal for EIS/IRIS Full-Disk Spectral Scans - Brooks (dhbrooks@ssd5.nrl.navy.mil), Warren, Ugarte-Urra; HOP 284

- understand the velocity structure of the Sun's upper atmosphere through full-disk spectroscopy
- full-disk scan for **48 hours**; complete before Hinode twilight start; run on **1st and 2nd April**
- **XRT bakeout** scheduled for **1st through 3rd April**; allows for full-disk image at start of **HOP 284**

3. Long Duration Coronal Hole Observation to Search for Alfvén Waves - Hahn (mhahn@astro.columbia.edu), Savin (savin@astro.columbia.edu); ToO HOP 279

- observe polar coronal hole; sit and stare mode **EIS** observation
- target: polar coronal hole; observing time: 24 hr minimum, no specific time/date
- observing window agreed for **4th to 10th April**

4. Coordinated Quiet-Sun Nanoflare Investigations with NuSTAR - Glesener (glesener@ssl.berkeley.edu), Smith (dsmith8@ucsc.edu), Reeves (kreeves@cfa.harvard.edu); ToO HOP 281

- support **NuSTAR** investigations of nanoflares and coronal heating
- **NuSTAR** quiet-Sun solar pointings are called as ToO's on a 3-4 day time scale. Solar observations are 1-4 orbits (~1 to 6 hours).

5. Coordinated Active Region DEM Investigations with NuSTAR - Glesener (glesener@ssl.berkeley.edu), Smith (dsmith8@ucsc.edu), Reeves (kreeves@cfa.harvard.edu); ToO HOP 282

- support **NuSTAR** investigations of the temperature structure and heating source of active regions.
- **NuSTAR** quiet-Sun solar pointings are called as ToO's on a 3-4 day time scale. Solar observations are 1-4 orbits (~1 to 6 hours).

6. Coordinated observations with NuSTAR of high coronal sources - Glesener (glesener@ssl.berkeley.edu), Smith (dsmith8@ucsc.edu), Reeves (kreeves@cfa.harvard.edu); ToO HOP 283

- support of **NuSTAR** investigations of hot plasma and accelerated electrons in the high corona in partly occulted flares
- **NuSTAR** quiet-Sun solar pointings are called as ToO's on a 3-4 day time scale. Solar observations are 1-4 orbits (~1 to 6 hours)

7. Joint IRIS/Hinode Observations of Small Flares and Micro-flares - Reeves
(kreeves@cfa.harvard.edu), Mason, Del Zanna, Dudik, Polito; ToO HOP 245

- obtain plasma diagnostics in microflares and small flares
- HOP 245 is frequently run by IRIS team but has not been well coordinated with Hinode/EIS
- observation needed for Cambridge Ph.D project; good to ensure coordination with IRIS when suitable flaring AR is next available

The continuing monthly observations are:

- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **21st April (N/S)** and **23rd April (E/W)**
- **Polar Monitoring - Shimojo; CORE HOP 81**
- run **fast scans** on **7th April; N pole** and **9th April; S pole**
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **26th March** and **14th April, 2015**

e. Monthly Science Reports

- next Hinode monthly coordinated science report to be prepared by **Doschek** for ~ **10th April, 2015** and will be focused on selection of highlights to be included in the Senior Review submission
- see http://hinode.msfc.nasa.gov/science_charts/ for template and previous charts

f. Date of Next Meeting

- next meeting: **23rd April, 2015** at **07:00 JST**; **22nd April, 2015** as appropriate in US/Europe

g. AOB

- **Savage** submitted Senior Review Hinode document by **6th March**