

94th Hinode SSC Meeting on 20th November, 2014 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 **October** status.

XRT is nominal

EIS is nominal

2. Flare Watchdog Campaign

Savage circulated an outline of the procedure which was then discussed. An individual, designated by SSC for one month intervals, will monitor solar conditions to determine if any HOPs or other observations need to be postponed for specific active region monitoring.

Reeves agreed to become the first SSC watchdog for the interval **November 20 to December 18** – the date of the next SSC meeting. Each instrument team will designate an observing option for use on the selected AR if a “watch” is declared.

XRT has several AR observation programmes which it will specify and make available

EIS has 11 available flare studies and will nominate one study in each of its future weekly plans.

SOT has several AR tracking and flare observation options and will agree a joint response with **XRT**

3. Focused Mode Liaison

Savage circulated a short description and a calendar of proposed focused mode intervals for 2014/15. The dates were agreed along with the observing priority list (see **Appendix I**). One future run of **Core HOP 130** had its date changed to avoid the first focused mode interval. Instrument teams should distribute the priority list during each focused mode week to ensure it gets extra attention.

Tarbell agreed to become the first SSC focused mode liaison. He will attend the weekly meetings during focused mode intervals to provide guidance based on solar conditions and SSC recommendations. First interval will be **December 16 to January 3**.

4. 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; Ongoing

5. 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

Action from the previous meeting were closed

c. Review/Discussion of Open HOPs and ToOs

- routine **HOPs 81 and 130** were run as planned during **October**; **HOP 79** not run due to flare watches
- proposed dates for the **November** running of **HOPs 81, 130 and 79** were agreed; **HOP 130** was changed to avoid focused mode

d. Review of New Proposals and Scheduling of Observations

1. Generation and Heating of Network Jets - Landi (elandi@umich.edu), Tian (hui.tian@cfa.harvard.edu) - HOP 270

- resubmission of **HOP 270**; previous run did not achieve co-alignment of **EIS** and **IRIS** FoVs
- required EIS study (**arm_line_width**; **ID # 175**) should be specified in HOP list
- HOP not appropriate for running during focused mode; defer to at least **3rd February**; consider impact of **IRIS** eclipse season and resubmit

2. Co-ordinated Observations with FOXSI: a Rocket-launched Hard X-ray Telescope – Krucker (krucker@ssl.berkeley.edu) – HOP 221

Hinode Contacts: Williams (d.r.williams@ucl.ac.uk), Brooks (dhbrooks@ssd5.nrl.navy.mil)

- support second **FOXSI** launch from **WSMR** on **9th December**; launch window: **18:15 UT - 19:15 UT** with nominal launch time: **18:15 UT**
- need to agree **EIS** study with proposers; **XRT** asked to provide a few full-disc images before launch

3. Multi-wavelength Observations to Study the Energy Propagation of Waves and Flares from the Photosphere to Corona – Kawate (t.kawate@qub.ac.uk), Jess (d.jess@qub.ac.uk) - HOP 274

Hinode Contact: Culhane (j.culhane@ucl.ac.uk)

- joint observation with **DST/Sac Peak** and **IRIS**
- observe in interval **9th to 15th January, 2015**; observing time: **4 days at 3 hr/day with 1 hr minimum**; optimum time window: **14:30 UT to 17:30 UT**; target: on-disc AR to be proposed each day
- **XRT** FoV: 384" x 384" agreed
- given focused mode start on **13th January**, support only possible for **9th through 12th January**

4. Wavenumber Spectra of Solar Magnetic Fields based on Mosaic SOT/SP Scans - Otsuji (otsuji@solar.mtk.nao.ac.jp), Sakurai (sakurai@solar.mtk.nao.ac.jp), Kuzanyan (kuzanyan@gmail.com)

- requests support only from **SOT** for pairs of matching **SP** scans; could be run in focused mode
- does not require **HOP** designation; **SOT** team to investigate an observation done by **SOT** planner

5. Joint Observations by ALMA, Hinode and IRIS for the Scientific Verification of ALMA Data – Shimojo (masumi.shimojo@nao.ac.jp), Bastian, Brajsa – HOP 276

- undertake joint observations with the Atacama Large Millimeter/sub-millimeter Array (ALMA) in Northern Chile
- joint campaign will be run from **9th to 16th December**; support requested from **SOT** and **XRT** only
- detailed solar campaign planning currently in progress; schedule will shortly be communicated to the **Hinode** team

The continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run **fast scans** on **7th December**; **S pole** and **8th December**; **N pole**
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **9th December** and **7th January**
- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **6th January (N-S)** and **8th January (E-W)**

e. Monthly Science Reports

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

f. Date of Next Meeting

- next meeting: **19th December, 2014** at **07:00 JST**; **18th December, 2014** as appropriate in US/Europe

g. AOB

- there was no other business

Appendix I. Focused Mode Priority List

1. Active Region

- **long-term programs such as flux emergence, waves in sunspots, flare monitoring, etc.**

2. Coronal Holes

3. Prominence/Filament

4. Disk-center

- **long baseline synoptic scans**

5. Polar magnetic network