

91st Hinode SSC Meeting on 21st August, 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 **July** status.

XRT is nominal; Filter Wheel #1 operation has no issues.

EIS is nominal.

2. Outcome of Second Focused Mode Ops Test

Savage circulated a summary of U-side team views; overall outcomes better than for first test; **SSC** discussion addressed:

- need to change from Saturday uploads; experienced staff not available at weekends

ACTION: Savage to discuss this issue with **Shimizu-san**; **ongoing**

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; Ongoing

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

ACTION: Cirtain and Savage to consider modification to **HOP guidelines and formulation of requests to HOP proposers regarding the productivity of their HOPs**

Savage circulated a draft scheme for information gathering on HOP productivity that included information sorting and a web-based display; **ACTION: Ongoing**

- other actions have been closed

c. Review/Discussion of Open HOPs and ToOs

- routine **HOPs 240, 81, 130 and 79** were run as planned during **August**

- proposed dates for their **September** running were agreed
- **HOP 206** is introduced to be run on **10 days during August/September** for maximum solar B-angle

d. Review of New Proposals and Scheduling of Observations

1. Joint Flare Observations in support of Dunn Solar Telescope (DST) Service Mode Operations with ROSA, IBIS and FIRS – Tritschler (atritschler@gmail.com), Milligan (r.milligan@qub.ac.uk), Mariska (jtmariska@gmail.com) – ToO HOP 263

- resubmitted request for Hinode to support **DST** service mode observations of solar flares
- support agreed for **1st to 31st October, 2014**; optimum observing time: **14:30 UT to 18:30 UT**
- seven Hinode proposals submitted to the **DST** group by the deadline of **15th August, 2014**
- **Milligan** to communicate details of required study modifications to **EIS Team** and to discuss possible need for additional telemetry allocation with **SOT Team**

2. Magnetic Structure, Dynamics and Thermodynamics of Prominence-Cavity Systems – Jibben (pjibben@cfa.harvard.edu), Reeves (kreeves@cfa.harvard.edu) – ToO HOP 264

- support agreed for **5th through 14th October**; observe for **4 – 6 hr/day**
- **optimum window: 18:00 UT to 22:00 UT** to coincide with **COMP/MLSO** daily service mode synoptic observations

3. Searching for Non-Maxwellian Distributions with Comp-S – Dudik (jd584@damtp.cam.ac.uk), Williams (d.r.williams@ucl.ac.uk) – ToO HOP 265

- support agreed for **9th through 30th October**
- **optimum window: 08:00 UT to 12:00 UT** for joint observation with **COMP-S** at **Lomnický Peak**
- **Williams** to arrange timely preparation and validation of required **EIS** studies

4. Small-scale Reconnection in Coronal Hole Plumes – Young (pyoung9@gmu.edu), Raouafi (raouafi@jhuapl.edu) – ToO IHOP 266

- schedule for **14th through 27th September**; observe for **4 hr/day**; no time schedule constraints
- **HOP 257** team also interested in on-disc CH targets so these HOPs may be scheduled together

5. Footpoints of Sunspot Plumes and Fan Loops – Young (pyoung9@gmu.edu) – ToO IHOP 267

- support agreed for **28th September through 4th October** to avoid **IRIS** eclipse season; schedule also for **18th to 25th October**
- observe for **4hr** on selected plume target; **XRT** ok for longer exposures with AEC

6. Transition Region and Coronal Response to MMFs – Young (pyoung9@gmu.edu)

– **ToO IHOP 268**

- support agreed for **28th September through 4th October** to avoid **IRIS** eclipse season; schedule also for **18th to 25th October**
- observe for **5-6hr** on selected well defined sunspot target; **XRT** team suggest increasing their FoV
- **SOT** can run **SP** for maximum **2-3 hrs** TLM-limited or for longer overall duration with interruptions

7. Prominence-Coronal Cavity Systems: Cyclic Mass Transport and Magnetic Flux Emergence – Liu (weiliu@lmsal.com), Berger, de Pontieu, Okamoto (take@joten.info) – ToO HOP 269

- support agreed for 9th through 16th and 18th through 25th **October**; trial for longer duration run in **March/April, 2015**
- observe for **4-6hr/day** on selected filament target defined by **SOT CO (Okamoto)**
- if possible track from disc to West limb; no time schedule constraints

8. Generation and Heating of Network Jets – Tian (hui.tian@cfa.harvard.edu), Landi (elandi@umich.edu) – IHOP 270

- support agreed for 14th through 27th **September**
- observe coronal hole and quiet sun between disc centre and limb
- two programmes described for **EIS** and **IRIS**; program # **1: 4hr**; program #**2: 1hr min**
- target selection to be made by either **Hinode** or **IRIS** planne

The continuing monthly observations are:

- **Polar Panorama Map for Understanding Polar Reversal in Cycle 24 – Shimojo; HOP 206**
- target will be North polar region; obtain data for **North Pole**; schedule every three days during **September**; start 28th and 31st **August**; end 24th **September**
- **Polar Monitoring - Shimojo; CORE HOP 81**
- run fast scans on 7th **Sept**; S pole and 9th **Sept**; N pole as for HOP 206; 8th **Sept**; N-pole deep scan
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on 16th **September**
- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on 23rd **September** (N-S) and 25th **September** (E-W)
- **Temporal Evolution and Magnetic Polarity Reversal of the Sun's Polar Magnetic Patches – Suematsu (suematsu@solar.mtk.nal.ac.jp); HOP 240**
- run on 30th **September** (S-Pole movie) and 2nd **October** (N-Pole movie)

e. Monthly Science Reports

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

f. Date of Next Meeting

- next meeting: 18th **September, 2014** at 07:00 **JST**; 17th **September, 2014** as appropriate in US/Europe

g. AOB

- **Savage** informed the meeting:

a) all **US** group travel approvals for the **November LWS/Hinode-8/IRIS Workshop** were now in place

b) More regular **EIS** and **SOT** monthly updates were needed for public image sites e.g. **EIS** nuggets, **SOT** images of the day; published items not required; regular postings already available from **XRT**

c) following pre-meeting report of the temporary withdrawal of the **McMurdo** ground station due to adverse weather, participants were told post-meeting that J-side response had minimised the effect of this.