

85th Hinode SSC Meeting on 20th February, 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 **January** status

XRT is nominal

EIS is nominal

2. 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

3. 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

Following the IRIS Team meeting on 12th December, there will be an announcement regarding the mechanisms for community collaboration with IRIS. Ongoing

- other actions have been closed

c. Review/Discussion of Open HOPs and ToOs

- routine **HOPs (81, 130 and 79)** are ongoing

d. Review of New Proposals and Scheduling of Observations

An additional **IRIS/Hinode HOP (IHOP)** was submitted to be run in **May** and again in **August** in support of the **MOSES-II** rocket launch

1. Transition Region Explosive Events – Tarbell (tarbell@lmsal.com), Kankelborg; HOP 252

- determine causes and energetics of explosive events in the transition region and look for couplings to chromosphere and corona
- joint observation with **IRIS**; targets: range of mixed-polarity regions likely to host transition region magnetic reconnection events
- **May** target selection by SOT planners; **August** selection by MOSES team for rocket coordination

**ACTION: Reeves and Tarbell to discuss disabling of XRT flare patrol and flare trigger modes
COMPLETED: HOP text now includes agreed XRT operation mode**

Minimum β angle occurs in March – on **March 6th**, so polar observations are emphasised.

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run on **5th March**; fast mode N pole and **6th and 7th March**; deep mode S pole
- **Polar Panorama Map – Shimojo; HOP 206**
- target will be **S-Polar** region for **10** observing runs
- schedule every three days during **February/March**; start on **26th February**; end on **25th March**
- run on **7th March** as for HOP 81
- **Temporal Evolution and Magnetic Polarity Reversal of the Sun's Polar Magnetic Patches – Suematsu (suematsu@solar.mtk.nal.ac.jp); HOP 240**
- run on **15th and 16th February**

The continuing monthly observations are:

- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **11th March**
- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **18th March** (N-S) and **20th March** (E-W); dates flexible

NOTE: In case of scheduling conflicts in March, polar programmes have priority. Possible alleviation measures include deferring HOP 79 for a month and selectively reducing some IHOP run times.

For IHOPs in general:

- **Tarbell** and an **IRIS planner** will sit in on the weekly meetings
- Hinode has just four tracking curves; IRIS requires all disc targets to be tracked
- **Tarbell** will circulate the **IHOP** priority list for each upcoming week on **Wed afternoons/US**

e. Monthly Science Reports

- **Harra** will prepare the next Hinode coordinated science report by ~ **6th March**
- See http://hinode.msfc.nasa.gov/science_charts/ for template and previous charts

f. Date of Next Meeting

- next meeting: **20th March, 2014** at **07:00 JST**; **19th March, 2014** as appropriate in US/Europe

g. AOB

- **Savage** circulated a summary of outcomes from the recent four weeks **Hinode Focused Mode** testing
- areas in which most difficulties were experienced were **Planning** and **Telemetry Useage**
- **EIS Team** suggested that during focused mode observing weeks, instrument observing plans should be circulated one say earlier than usual i.e. on Tuesdays, so as to be available in good time for the Thursday Hinode weekly meeting; other teams agreed to consider this and comment further
- all teams need to consider the issue of how many observing plans can be run during a Hinode eclipse season week
- all teams need to check that their planning software can reliably estimate telemetry useage during a full focussed mode seven or eight-day plan

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

- **Cirtain** circulated the first announcement for the **LWS/8th Hinode Meeting** now confirmed for the interval **3rd to 6th November, 2014** in **Portland, Oregon**; **Hinode SWG** will probably be on **2nd November**