

83rd Hinode SSC Meeting on 19th December, 2013 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 from **November** status

XRT is nominal; fully recovered following two particle hits; lost one day of data

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 SWG discussion of reduced operations:

ACTION: instrument teams to discuss internally the proposed options 1a and 1b and prepare to test these modes during the upcoming eclipse seasons – low mode in January during IRIS eclipse and again in June during the Hinode eclipse season. Ongoing – test observations now being planned

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

- **ACTION: Reeves to send updated text for HOP 241 to Watanabe. Completed**

d. Review of New Proposals and Scheduling of Observations

1. Following discussions at an IRIS Team Meeting, a number of **Hinode/IRIS HOPs (IHOPs)** will be defined in early January to be run in the **February-to-May** interval between IRIS and Hinode eclipse seasons. The final set of **IHOPs** will be submitted for discussion at the **next SSC (January 15th/16th)**. A preliminary list of topics includes:

1. **Quiet Sun weak fields: Tarbell/Hansteen**
2. **Hot plage/moss: De Pontieu/Testa**
3. **Limb Spicules: De Pontieu/Okamoto**
4. **Flares: Reeves**
5. **Explosive Events: Kankelborg**
6. **Prominences/Filaments: Okamoto**
7. **Active Region Rasters: Testa/Mason**
8. **Penumbra Jets and Flows: Tarbell/Katsukawa/Otsuji**

Most will require to be run for one to two hours so it was suggested to schedule either one or two IHOPS per day. **Flares (# 4)** and **Prominences/Filaments (# 6)** will require longer sit-and-stare observations. The lead on final pointing selection can be provided by either the **IRIS** or **Hinode** teams depending on their respective planning schedules.

The two month interval between **IRIS** and **Hinode** eclipse seasons is a critical period for executing these programmes so during this period, the **IHOPs** will have precedence over normal Hinode HOPs other than in exceptional circumstances.

2. Two topics were initially suggested for the **7 day Focus Mode*** observation tests to be undertaken in the four week interval beginning on **11th January**:

1. **Track an Active Region**
2. **Continuous Observation of Disc Centre**

During the latter observation, XRT could be optimised for CME-watch observations.

It was agreed that the **Active Region** observation should have priority but there should be at least one **Disc Centre** observation. It was also suggested that if a suitable long lived on-disc **Coronal Hole** became available in the January/February period, this would also be a good candidate.

The routine **CORE HOPs (79, 81, 130)** should be scheduled at the ends of continuous tracking periods. It would be necessary to separate the running of **HOP 79** and **HOP 130** given the high number of different pointings associated with these HOPs.

The continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run on **9th** and **10th January**; fast scan on both poles
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **7th** and **28th January**
- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **17th January (N-S)** and **24th January (E-W)**; dates flexible

In addition, **HOP 240** is continuing:

- **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** **January**

e. Date of Next Meeting

- next meeting: **16th January, 2014** at **07:00 JST**; **15th January, 2014** as appropriate in US/Europe

f. AOB

- **Savage** stated that the first monthly report describing coordinated observations by the Hinode instruments had been submitted by **Harra/EIS**. The next report would be prepared by **Reeves/XRT**.

* We need to agree on a descriptive term for this mode. It should indicate a) the longer time between uploads but b) should point to the continued execution of high quality mission science.