

## 55<sup>th</sup> Hinode SSC Meeting on 18<sup>th</sup> August, 2011 at 07:00 JST

### Short Summary, Conclusions and Actions

#### a. Program Status:

##### 1. Instrument Status Review

SOT is nominal; now out of eclipse season. Jitter reduced to inside spec but not back to best achieved level. Katsukawa-san has circulated further material on momentum wheel status. Telecon on wheel tuning operation will be arranged by Sakao-san – see relevant emails and #2 below.

XRT is nominal; now out of eclipse season.

EIS is nominal; no restrictions on operation; EUV eclipses continue to end of August

##### 2. Momentum Wheel Speed Tuning

Update on spacecraft jitter status (Katsukawa-san: Rev 2011.8.3) shows reduction in amplitude which could remain acceptable for  $\leq$  one year before becoming significantly worse. Further discussion deferred to upcoming telecon.

**Post Meeting: 25<sup>th</sup>/26<sup>th</sup> August proposed as possible telecon dates**

**URGENT ACTION: All: Send any further questions for discussion to Sakao-san, cc to Cirtain. Examples raised included i) risks in first thruster operation in five years, ii) previous spacecraft experience of wheel speed tuning, iii) what is the upper wheel speed limit**

##### 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**

#### b. Review and Discussion of Action Items from Meeting #53

- Re **Berger** on status of ToO HOP list – see **item c**

Other actions are closed or ongoing

#### c. Review and Discussion of Action Items from Palermo SWG Meeting

**ACTION: Cirtain to present comments on HOP assessment and tracking to future SSC; ongoing**

Full report, which will include comment on the ToO HOP list, will be presented at the **October 10<sup>th</sup> SWG** meeting

- SSC asked 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**

#### **d. Review/Discussion of Open HOPs and ToOs**

- there was no discussion required for currently open HOPs and ToOs
- noted that **ToO HOP 190** was scheduled for possible running in the period **25<sup>th</sup> Aug to 10<sup>th</sup> Sept** given availability of VTT/Tenerife during this period
- **Berger** urged clarification of ToO HOP notification procedure namely that the **HOP PI** or on designation, the **HOP Hinode contact person**, should inform **COs** and **CP** of availability of suitable target and agree an observing slot

**ACTION: Certain to discuss with Shimizu-san the inclusion of appropriate text in the Hinode HOP proposal instruction**

**ACTION: Certain will also discuss with Shimizu-san the listing of currently active ToO HOPs in the Hinode Monthly Events calendar**

#### **e. Review of New Proposals and Scheduling of Observations**

##### **1. Helioseismology Observations of the Sun's Polar Regions with SOT – Sekii, Kosovichev; HOP 101**

- schedule during **September** for solar N-Pole; preferred duration: **16 hours on every other day**
- interruption would be restricted to  $\leq 4$  days (except in case of major flare alert)
- note that **SDO/HMI** coverage is not required for every 16 hour interval but that starting at 09:00 UT would avoid the one hour SDO eclipses which begin at 07:00 UT

**ACTION: Sekii to specify start and end dates in September**

##### **2. SOT Spicule Observations with High Cadence – Okamoto, De Pontieu; HOP 200**

- coordinated observation with **La Palma/SST**; **15<sup>th</sup> to 18<sup>th</sup> September**; preferred time window: **08:30 UT to 11:00 UT**
- ToO observations of selected targets to be run as **SOT core observations**

##### **3. Coordinated Diagnostics of Coronal Cavities – Kucera, Gibson; ToO HOP 114**

schedule on ToO basis during **September**

joint with **MLSO/COMP**; preferred time window: **18:00 UT to 22:00 UT**

##### **4. Long-term Dynamics of Prominences – Foullon, Berger; HOP 183**

- previously scheduled run unsuccessful
- reschedule after end of September

**5. The continuing monthly observations are:**

- **Synoptic SOT Irradiance Scans – Berger; CORE HOP 79**
- programme to be run on **6<sup>th</sup> September (N-S)** and **8<sup>th</sup> September (E-W)**

- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- scheduled for **20<sup>th</sup> September**
- **Polar Monitoring - Shimojo; CORE HOP 81**
- **special six day** observation required in **September** to be scheduled jointly with **HOP 101**

**f. Other Business and Date of Next Meeting**

- **Tarbell** emphasised that during major flare alerts, it was important that the agreed target be **followed throughout the alert** and that one of the designated mission active region and flare tracking programmes be used

**ACTION: Certain to write up the above comment and circulate it to the CO list**

- the Max Millennium Program Chief Observers declare major flare alerts and distribute them via the Max Millennium Message of the Day e-mail system but it is not clear that these messages are reaching all the relevant people involved in the Hinode programme

**ACTION: Certain to contact the Max Millennium Chief Observer team to ensure that they have the appropriate contact list for the Hinode programme**

- next meeting: **22<sup>nd</sup> September**, 2011 at 07:00 JST; **21<sup>st</sup> September**, 2011 as appropriate in US and Europe