

## 54<sup>th</sup> Hinode SSC Meeting on 22<sup>nd</sup> June, 2011 at 07:00 JST

### Short Summary, Conclusions and Actions

#### a. Program Status:

##### 1. Instrument Status Review

SOT is nominal for eclipse season, meaning that stable focus and good image quality are only available for the latter half (roughly) of each orbit's sunlight. However its spatial resolution is somewhat reduced because of the spacecraft jitter caused by the reaction wheels. Therefore, all observations will be in summing mode (reduced resolution) until the reaction wheels are adjusted. Following discussion, Shimizu-san has announced that this operation is planned for 7 – 8 September with 13 – 14 September as backup dates if sufficient passes are not available – see #2 below.

XRT nominal; occurrence of a Single Event Upset (SEU) last week has had no long term effect.

EIS is nominal; EIS revised planning was tested successfully and the software is ready for use. The first onboard testing of the flare trigger was completed successfully and the trigger system is ready for use.

##### 2. Momentum Wheel Speed Tuning

Documents from Shimizu-san and Katsukawa-san describing the spacecraft jitter issue and the proposed solution were circulated on 20<sup>th</sup> July. This solution was developed following a meeting held on 29<sup>th</sup> June at which all instrument teams were represented. Any final comments on the planned wheel tuning operation should be **urgently** communicated to Shimizu-san.

**ACTION: Hinode instrument teams to review the momentum wheel speed tuning plan and send any comments to Shimizu-san by Friday 5<sup>th</sup> August.**

##### 3. Changes to Instrument Telemetry (on-board storage) Allocation

An agreement, from SSC #52, to make 10% of the SOT allocation available for EIS to support HOP 188 was communicated late to the COs and CP involved in mission operations in the weeks of 1<sup>st</sup> and 8<sup>th</sup> July.

**ACTION: Any such agreements for a HOP e.g. by SSC, should be communicated to Watanabe for inclusion in the Monthly Events listing and ideally in the HOP list. This is necessary since editing restrictions for these lists are likely to continue**

#### 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: Certain to present comments on HOP assessment and tracking to future SSC; ongoing**

Following work by **Cirtain** and a grad student this action is essentially complete apart from a need to assess a few remaining papers. Full report, which will include comment on the ToO HOP list, will be available for review in **August** and will be presented at the **October 10<sup>th</sup> SWG** meeting 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

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

**1. Hinode-NST joint studies of magnetic diffusion in Coronal Holes – Abramenko, Tarbell; HOP 198**

- schedule for five days after **20-Aug**; preferred duration: **4 hours/day**

**2. Origin of penumbral fine structure and moving magnetic features observed with BBSO/NST and Hinode – Lim, Berger; HOP 199 (provisional)**

- schedule for two hours coordinated observation (18:00 UT to 20:00 UT preferred)

**ACTION: Berger to clarify the preferred dates for this observation before HOP confirmation**

**NOTE: Sekii has already requested this information by email**

**3. CORE: Coordinated Observations between Hida Observatory and Hinode Satellite – Ichimoto, Ueno; HOP 128**

schedule for **4 days** in interval **13 Aug – 18 Aug** and for **10 days** in interval **14 Nov to 25 Nov**;  
preferred duration: **5 hr/day (22:00 UT to 03:00 UT)**; minimum duration: **1 hr/day**

**4. CORE: Joint Observation for Tracking X-ray Jets from the Solar Surface to Interplanetary Space – Jackson, Shimojo; HOP 187**

- schedule in **early August**; 6 hr continuous duration preferred;  
- **need to observe before disappearance of Polar Coronal Holes**

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

- **Synoptic SOT Irradiance Scans – Berger; CORE HOP 79**

- programme to be run on **2<sup>nd</sup> August (N-S)** and **4<sup>th</sup> August (E-W)**

- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**

- scheduled for **9<sup>th</sup> August** and **30<sup>th</sup> August**

- **Polar Monitoring - Shimojo; CORE HOP 81**

- to be scheduled

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

- next meeting: **18<sup>th</sup> August**, 2011 at 07:00 JST; **17<sup>th</sup> August**, 2011 as appropriate in US and Europe