

66th Hinode SSC Meeting on 19th July, 2012 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). Contamination is causing blurring and intensity changes over parts of the NFI field of view. Contamination distribution is now stable. Low impact for magnetograms used in AR tracking; other NFI-centric programs have to be planned more carefully to avoid it or mitigate its effects. Everything else is nominal with SOT.

XRT is nominal but for possible filter pinhole which is being checked

ACTION: Reeves to circulate bakeout schedule (completed)

EIS is nominal; change to XRT trigger response software next week; no operational restrictions

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

b. Review and Discussion of Action Items from Hinode SWG and Meeting #59

- 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

c. Review/Discussion of Open HOPs and ToOs

- routine monthly HOPs (79, 81, 130) running as scheduled for July

- EUNIS rocket observation (HOP 214) scheduled for 15th August was changed to week beginning 24th September just after the meeting

- Cirtain reminded SSC members to ensure that new HOP requests reach SSC one week before the relevant meeting

d. Review of New Proposals and Scheduling of Observations

1. Comparison of the horizontal velocity fields measured on HINODE and SDO observations over the Sun surface; Roudier, Tarbell – ToO HOP 182

- requires five hours observing time from SOT at each of 13 pointings; cannot run during eclipse season

- ToO status assigned for non-active periods; SOT team will schedule the pointings

2. Determine properties of families of solar granules and formation of the photospheric network; Roudier, Rieutord, Malherbe, Tarbell - ToO HOP 217

- previously **HOP 21**; requires **48 hr** continuous observation around disc centre with no ARs in SOT FoV; XRT synoptics can accommodate this with small time change
- **ToO** status assigned; **SOT team** will schedule after **2nd September**

ACTION: Tarbell to establish if target area can include an on-disc CH to enable EIS observation

3. Coordinated Observations between the EUNIS Rocket Instrument and EIS; Brosius, Rabin, Young - HOP 214

- joint observation with **EUNIS** which will **now** be launched from **WSMR** during the week beginning **24th September**; launch window stated explicitly as **17:00 UT to 17:30 UT** i.e. before local noon

ACTION: Culhane to confirm time of launch slot (completed)

4. Mass loading of quiescent prominences from multi-wavelength observations; Schwartz, DeLuca - ToO HOP 186

- joint with **Ondrejov Observatory**; run between **15th September** and **31st October**; time slot: **06:00 UT to 12:00 UT**; suspend for major flare watch; XRT synoptics accommodate with small time change

5. Coordinated Observations between Hida Observatory and Hinode Satellite; Ichimoto, Ueno Suematsu - CORE HOP 128

- run from **13th to 24th August**; optimum run time: **00:00 UT to 01:00 UT** each day

ACTION: Sekii to inform HOP 128 team of EUNIS launch

NOTE: action no longer required; launch now scheduled for week of 24th September

6. Polar Panorama Map for understanding Polar Reversal in Cycle 24; Shimojo, Tsuneta, Shiota, Sako, Anjali – HOP 206

- run at three day intervals from **10th September** through **7th October**

7. The continuing monthly observations are:

- **Synoptic SOT Irradiance Scans – Berger; CORE HOP 79**
- to be scheduled
- **Polar Monitoring - Shimojo; CORE HOP 81**
- to be scheduled for three days in the interval **3rd** through **8th September**
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- scheduled for **21st August**

e. Date of Next Meeting

- next meeting: **23rd August, 2012** at 07:00 JST; **22nd August, 2012** as appropriate in US and Europe

f. AOB

- meeting discussed the recent flights of the the **SUMI (5th July)** and **HI-C (11th July)** rocket payloads
- **Cirtain** reported a successful outcome and excellent quality data from both flights
- **Mg II** and **C IV** channels of **SUMI** have both detected linearly and circularly polarised emission and captured a small flare
- it is clear that the new high resolution optics of **HI-C** have obtained **Fe XII/193 Å** images at some six times better resolution than **AIA** and have revealed structures that will mark a turning point in coronal physics; excellent overlap was achieved with **SOT** and **EIS** observations
- the **SSC** congratulated **Cirtain** on an exceptional achievement and were eager to hear more detail at the upcoming Hinode-6 meeting