

## 38<sup>th</sup> Hinode SSC Meeting on 18<sup>th</sup> March, 2010 at 07:00 JST

### Short Summary, Conclusions and Actions

#### **a. Instrument Status:**

SOT nominal; bakeout during next eclipse season being considered.

XRT nominal; filter wheel #1 normally open but can be moved, filter wheel #2 can be moved nominally; bake-out time has been changed from Thursdays to Wednesdays (JST)

EIS nominal;

#### **b. Review and Discussion of Action Items from Meeting #37**

- need confirmation that proposers of Solar Oxygen Abundance (Vitas et al), were informed of SSC decision from meeting #35; **ACTION: Certain – closed, awaiting proposers' response**

- other outstanding actions from 37<sup>th</sup> and previous meetings have been completed

- following an inconsistency re scheduling of HOP 101 in the previous short minutes, it was agreed that all SSC members should quickly review these prior to their appearance on the Hinode website

#### **c. Discussion of “Active Solar Conditions” HOP Priority for Long-term QS Monitoring HOPs**

##### Operation of XRT and QS HOP Scheduling Tolerance

XRT needs to operate safely in the presence of significant activity anywhere on the Sun. QS HOP proposers should in future make clear their XRT requirements stating the importance or otherwise of XRT for their observation. The XRT sections of listed HOPs should make the position clear.

The proposers of HOPs 79, 81, 130 and 146 will be asked to comment on their position regarding XRT use. They will also be asked to specify their observing frequency and scheduling change tolerance under active conditions. Situation is already clear for some of these HOPs. Proposers will again be requested to clarify these issues in their web-listed HOP descriptions. HOP 130 is designed for irradiance measurement under all solar conditions. Thus it is not strictly a QS HOP and XRT data are not essential.

**ACTION: Certain to contact these HOP proposers to confirm these issues**

##### Hinode Response to Major Flare Alerts

Following discussion it was agreed that Certain should draft a protocol and circulate to SSCs

**ACTION: Certain. Completed – email has been circulated**

##### Hinode Response to Significant Active Region Appearances

Following discussion it was agreed that Tarbell should draft a protocol and circulate to SSCs. This issue was recognized as being more complex than the flare alert case above. Clarification is needed for the role of the daily/weekly meetings and for the individual instrument PIs.

**ACTION: Tarbell**

**d. Review/Discussion of Open HOPS and ToOs**

- agreed that **CORE HOP 101** should be run throughout March and that HOP calendar should reflect this

**ACTION: Berger. Completed**

- agreed that status of **HOP 151** should be discussed with Luis Bellot regarding the need for a further run in April

**ACTION: Berger**

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

**1. EIS Multi-line Observations of Flares and ARs – Fang, Ding, Li; HOP 158, ToO**

- observe multi-spectral Doppler velocities during flare impulsive phase; further understand chromospheric evaporation and heating mechanisms; **this HOP has been revised and resubmitted**
- use of EIS and Nanjing Solar Tower for visible chromospheric lines proposed; Nanjing observing slot available **June 7<sup>th</sup> to 13<sup>th</sup>, 2010**.
- realistic cadences need to be agreed for XRT and SOT, proposers informed and HOP listing edited

**ACTION: Reeves and Tarbell**

- it was agreed that if the SUMI launch occurs on **June 8<sup>th</sup>**, HOP 77 will have priority

**2. Chromosphere- Corona Connection – De Pontieu; HOP159**

- observe upflows from dense lower atmosphere where plasma may be heated to coronal temperatures at low altitude
- joint observation by Hinode SOT, EIS, XRT and SDO
- schedule following completion of SDO commissioning
- discuss modes and TLM requirements with XRT and SOT teams

**ACTION: Berger**

- run **5<sup>th</sup> to 11<sup>th</sup> April** if full SDO availability

**3. In addition to the above, the continuing monthly observations**

- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- programme has been scheduled for **13<sup>th</sup> April**

- **Synoptic SOT Irradiance Scans – Berger, CORE HOP 79** will be scheduled for

- **27<sup>th</sup> April** (N – S) and **28<sup>th</sup> April** (E – W)

- **Polar Monitoring - Shimojo, CORE HOP 81** scheduled for **30<sup>th</sup> APRIL** and **1<sup>st</sup> May**

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

- Shimizu-san requested that HOPs should where possible include a data rate measure e.g. nominal data rate per hour, to help daily meeting planning activity

- next meeting on 15<sup>th</sup> April, 2010 at 07:00 JST; 14<sup>th</sup> April, 2010 as appropriate in US and UK