

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 reported from **September** status.

XRT is nominal

EIS is nominal

2. Solar Flare Observations

Reeves commented that during a recent observation using an active region program targeted at a coronal hole (**HOP 268**) which **XRT** was supporting and running 16 sec exposures, a C-class flare had occurred in a different AR and had over-exposed the **XRT** CCD. Fortunately, there were no flares above C-class during the time that **XRT** was observing with 16 sec exposures. An X-flare occurred shortly after the observing window on the 19th, but by that time **Hinode** had switched back to watching the active region. This again emphasised the difficulty for **XRT** in observing low brightness targets in the presence of flare-active ARs.

Given the importance of AR and Flare observations for the **Hinode** mission, it was agreed that:

- flare and activity forecasting should be examined; **David McKenzie** is discussing this with the **Max Millenium Team** on behalf of the **Hinode Team**
- mission should **always** observe the target AR during major flare alerts
- if **COs/CP** believe that an AR is of interest, they should feel free to suspend currently scheduled HOPs and observe the selected AR
- **SSC** should designate a subset of its members, possibly acting in rotation, to advise the **SSC Chair** when they believe that an AR observation should take precedence over current HOPs
- **SSC Chair** should then inform **COs/CP** of the need for special AR observations
- current **Hinode** mission advisory notes regarding the importance of AR and flare observations should be reviewed and if necessary strengthened, though the text is already quite explicit

ACTION: Savage to present a discussion of these issues to SWG on 1st November

4. 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

5. 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

Action related to flare incidence is deemed closed following the discussion reported in **section 2** above

c. Review/Discussion of Open HOPs and ToOs

- routine **HOPs 240, 81, 130 and 79** were run as planned during **October**
- proposed dates for the **November** running of **HOPs 81, 130 and 79** were agreed; **HOP 240** is not being scheduled at present

d. Review of New Proposals and Scheduling of Observations

1. Hinode Support for RAISE Rocket Launch – Hassler (hassler@boulder.swri.edu), Mariska (jtmariska@gmail.com) - HOP 170

- support agreed for **RAISE** rocket launch from **WSMR** on **November 3rd** with launch window **18:48 UT to 20:00 UT** and preferred launch time **19:07 UT**
- observe the dynamics and heating of the solar chromosphere and corona in an Active Region
- XRT team do not recommend use of Ti/poly filters, rather Al/Poly; XRT would prefer to run at 30 sec cadence
- proposers to comment to **Mariska** on XRT configuration

2. Multi-wavelength Observations to Study the Energy Propagation of Waves and Flares from the Photosphere to Corona – Kawate (t.kawate@qub.ac.uk), Jess (d.jess@qub.ac.uk) - HOP 274 **Hinode contact: Culhane (j.culhane@ucl.ac.uk)**

- joint observation with **DST/Sac Peak** and **IRIS**
- observe in interval **9th to 15th January, 2015**; observing time: **4 days at 3 hr/day with 1 hr minimum**; optimum time window: **14:30 UT to 17:30 UT**; target: on-disc AR to be proposed each day
- XRT team request detailed discussion of FoV/cadence trade: proposers to discuss with **Reeves**

3. Chromospheric Dynamics in Active Region: Coordinated Observation between Hida, Hinode, IRIS – UeNo (ueno@kwasan.kyoto-u.ac.jp), Ichimoto (ichimoto@kwasan.kyoto-u.ac.jp) – HOP 275 **Hinode contact: Suematsu (suematsu@solar.mtk.nao.ac.jp)**

- joint observation with **Hida** and **IRIS**
- observe in intervals **9th to 15th November** and **26th to 28th November**; observing time: minimum **6 days**; prefer **4 hr/day with 1 hr minimum/day**; optimum time window: **00:00 UT to 04:00 UT**
- target: on-disc AR; chromospheric jets
- several issues regarding Hinode instrument operation modes clarified in post-meeting email exchanges
- project involves Kyoto University Solar Group students

Tarbell presented two **SOT** observing proposals for information; these could in future be suitable for **Focused Mode** observations; pointing change requirements may lead to difficulty in focused mode

The continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run **fast scans** on **11th November; S pole** and **13th November; N pole**

- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **18th November**

- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **25th November (N-S)** and **27th November (E-W)**

e. Monthly Science Reports

- next Hinode monthly coordinated science report to be prepared by **Savage/MSFC Hinode project**
- see http://hinode.msfc.nasa.gov/science_charts/ for template and previous charts

f. Date of Next Meeting

- next meeting: **20th November, 2014 at 07:00 JST; 19th November, 2014** as appropriate in US/Europe

g. AOB

- there was no other business