

86th Hinode SSC Meeting on 20th March, 2014 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); 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 **February** status

XRT is nominal

EIS is nominal

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

3. 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

Following the IRIS Team meeting on 12th December, there will be an announcement regarding the mechanisms for community collaboration with IRIS. Ongoing

- other actions have been closed

c. Review/Discussion of Open HOPs and ToOs

- routine **HOPs (81, 79, 130 and 240)** are ongoing

d. Review of New Proposals and Scheduling of Observations

1. Active Region Expansion – Baker (deborah.baker@ucl.ac.uk), Seaton (dan.seaton@oma.be), West (matthew.west@observatory.be); HOP 253

- investigate nature and extent of large-scale AR loop expansion off-limb
- joint observation with **Proba-2/SWOP** off-limb pointing combined with extended EIS raster
- duration: **2h 13m**; select AR at either limb; proposers to nominate suitable target
- no request to SOT; XRT will try to run zoomed Ti/poly observations at 60s cadence
- run in interval **1st April to 11th April; two runs/day** avoiding SAA requested; **one run/day** agreed

2. Photosphere-Corona Coupling during Magnetic Flux Emergence – Schmieder

(brigitte.schmieder@obspm.fr), Harra (l.harra@ucl.ac.uk), Golub (lgolub@cfa.harvard.edu)

- Hinode support for up to **5 hr/day** requested for THEMIS observation during **first week of June**
- IRIS may be involved on a few days per week for up to **2 hr/day**
- request coincides with next period of **Focussed Mode** testing; **HOP assignment was not agreed**
- when IRIS support days are defined, EIS team will seek to plan support observations during a 7-day upload

3. Dynamic Evolution and Wave Properties in Prominences –Okamoto(joten.okamoto@nao.ac.jp), Liu (weiliu@lmsal.com), De Pontieu (bdp@lmsal.com), ToO HOP 254

- observe an off-limb prominence; **AR-associated** prominence preferred; **QS prominence** is also acceptable
- minimum observation time: 1.5 hr; longer time preferred if TLM permits;
- for **AR-associated** observation, no request to XRT or EIS; XRT would operate CME watch
- for **QS** observation Reeves suggested that **HOP 114** would be a good candidate for XRT and EIS to run with **HOP 254**

ACTION: Reeves to confirm that this would be agreeable to Okamoto-san

The continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run on **8th April**; fast mode **S pole** and **10th April**; fast mode **N pole**
- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **15th April (N-S)** and **17th April (E-W)**; dates flexible
- **Temporal Evolution and Magnetic Polarity Reversal of the Sun's Polar Magnetic Patches – Suematsu (suematsu@solar.mtk.nal.ac.jp); HOP 240**
- run on **29th April (S-Pole movie)** and **1st May (N-Pole movie)**
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **22nd April**

e. Monthly Science Reports

- **Reeves/XRT** will prepare the next Hinode coordinated science report by ~ **3rd April**
- See http://hinode.msfc.nasa.gov/science_charts/ for template and previous charts

f. Date of Next Meeting

- next meeting: **24th April, 2014 at 07:00 JST; 23rd April, 2014** as appropriate in US/Europe

g. AOB

- there was extensive discussion of the updated **Hinode Focussed Mode Test Results** document circulated by **Shimizu-san** and **Savage**
- while **SOT** and **XRT** teams believed that they could return to a one day interval between planning meeting and seven day upload, the **EIS** team believed that this would be difficult; EIS team agreed to consider the issues involved and identify possible operational limitations resulting from a 1d interval
- shortage of slots (**OGs**) during Focussed Mode operations remains a serious issue; teams need to consider possibilities for mitigation
- running with two uploads per week rather than one was thought not to be possible given the upcoming reduction in project support level
- other possibilities that were discussed included:
 - **SOT** could operate only on every other day during some **Focussed Mode** weeks
 - **SOT** could cease operation during orbits with severe **SAA** exposure
 - **EIS** could decide not to operate flare trigger mode during some **Focussed Mode** weeks
 - **SOT** could plan more conservative use of TLM

ACTION: All teams should further consider and discuss the above issues and other items in the document and send their comments by email to Savage by 14th April

- no feedback has yet been received on the **Monthly Science Reports**; **SSC** members should check the website and be prepared to comment at the next **SSC** meeting

ACTION: Cirtain and Savage to consider modification to HOP guidelines and formulation of requests to HOP proposers regarding the productivity of their HOPs; Ongoing

- **Tarbell** suggested that each team should should nominate a J-side person to assist Watanabe in editing the **HOP list**