

126th Hinode SSC Meeting on 20th July, 2017 at 07:00 JST

Short Summary, Conclusions and Actions

a. Program Status

1. Instrument Status Review

SOT operating without its Filtergraph (FG) camera following an electronic fault. Spectro-Polarimeter (SP) and Correlation Tracker (CT) are nominal.

XRT is nominal. Bake-out will now be on **5th - 8th August** to avoid clash with EIS bakeout.

EIS is nominal. Bakeout and related software upload now scheduled for **8th through 11th August**

2. Report on Changes to Instrument Telemetry Allocation

There are no further reports on telemetry allocation changes

3. FM Calendar

Hinode focused mode will continue from **18th July to 8th August.**

4. 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

XRT, SOT and IRIS issues relating to HOP 338 were clarified. A new study has been submitted to the EIS team for validation.

c. Review/Discussion of Open HOPs and ToOs

- routine **HOPs 130, 79 and 81** were run as planned during **June**
- **HOP 336** may continue
- **HOP 307** is currently running

d. Review of New or Updated Proposals and Scheduling of Observations

1. Observation-Driven Modelling of Solar Phenomena - Madjarska (madjarska@mps.mps.de), Shine/SSC; HOP 335

- Hinode and IRIS observations of Coronal Bright Points (BPs) to be used for new data-driven approach to modelling
- second run has been requested for this HOP
- late target specification due to short BP lifetime; preferable to observe when **Brooks** is CP

ACTION: Madjarska and Brooks to agree date

2. XRT MegaMovie (XRT-MM) During the 2017 Aug 21 Total Solar Eclipse - Sterling (alphonse.sterling@msfc.nasa.gov), Abe, Hudson, Takeda, Savage/SSC; HOP 340

- create a nearly continuous XRT movie to coincide with the ~ 90-minute-long ground-based white-light movie from the MegaMovie project during the **2017, Aug 21** total solar eclipse.
- XRT will require additional telemetry for 2' x 2' binning, this can be made available by SOT
- following the meeting, **McKenzie** discussed the XRT requirements of **HOP 339** with **Sterling**; it was agreed that it was not necessary to run this HOP during the 95 minute ground track of totality

3. Hinode-IRIS Coordinated Observations of MHD Waves in Plage Regions at Various Places on the Solar Disk - Abe (abe.masashi@ac.jaxa.jp), Shimizu (shimizu.toshifumi@isas.jaxa.jp), Watanabe/SSC (watanabe@uvlab.mtk.nao.ac.jp); ToO HOP 341

- statistical investigations on propagating MHD waves in plage regions with Hinode-IRIS coordinated high-cadence observations from several different view angles
- perform high cadence observations with SOT/SP; minimum; 10 target observations of 90 min duration, may require 20 observations
- for XRT, 10 sec cadence observations with 384" x 384" field of view; single filter; disable FLD if considered safe; otherwise reduce cadence of flare patrol images to 80 sec.

4. Polar Panorama Map for Polar Reversal in Cycle 24 – Shimojo(shimojo@nro.nao.jp); HOP 206

- target will be North polar region; obtain data for North Pole
- schedule every three days during **August/September**; start **23rd August**; end **19th September**

Continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run on **8th August** (N pole fast); **10th August** (S pole fast); runs during normal mode
- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **17th August** (N/S only); runs during normal mode
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **22nd August**; runs during normal mode

e. Monthly Science Reports

- next **Hinode** monthly science report will be prepared by the **XRT Team** by **9th August**
- see http://hinode.msfc.nasa.gov/science_charts/ for template and previous chart

f. Date of Next Meeting

- next meeting: **31st August, 2017** at **07:00 JST**; **30th August, 2017** as appropriate in US/Europe

g. AOB

Reeves suggested that there was a need for the preparation of Quiet Sun (QS) HOPs, involving all the Hinode instruments, that could be run during focussed mode. It would also be worthwhile to check the Senior Review proposal for any mention of possible QS targets. **McKenzie** will check that there are no objections to the circulation of the proposal to foreign partners. He will also ask **Savage** if there are any other issues regarding the circulation. Suggestions for possible QS focus mode HOPs are requested for the next SSC meeting.