

133rd Hinode SSC Meeting on 22nd February, 2018 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.

EIS is currently off. Power supply interruption on day 4 of 5 day CCD bakeout. Following SWG telecon, EIS team and spacecraft engineers are examining interface configurations prior to a switch-on of EIS. This will be discussed at a second SWG telecon

XRT prefer not to switch off. Could be put in safe hold mode. XRT - spacecraft interface being checked.

SOT are awaiting further details of the spacecraft interface from SWG telecon actions. Prefer not to switch off during EIS turn-on.

2. Report on Changes to Instrument Telemetry Allocation

There are no further reports on telemetry allocation changes

3. FM Calendar

Hinode is operating in normal mode from **6th February** to **12th May**

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

Discussion of Quiet Sun (QS) focus mode observations is progressing well.

HOP 347 studies have been prepared; HOP is on hold pending EIS switch-on.

c. Review/Discussion of Open HOPs and ToOs

- routine **HOPs 130, 79 and 81** were run as planned during **February**
- **HOP 341** has started to run in **January/February** and is progressing well; good data has been obtained; need to obtain more plage observations
- **HOP 345** is being uploaded; **Watanabe** has updated the **IRIS** observation text in the HOP description
- so far there have been no requests to run **HOP 348**

- **XRT and SOT** made coordinated observations with **SUVI (GOES-R)** on **12th/13th February**; good results obtained; further trial observation planned for **March 12th**; new HOP request will be submitted to next SSC meeting

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

1. X-ray Full-Sun Image Campaign toward Solar Minimum – Takeda

(takeda@solar.physics.montana.edu), DeLuca/SSC, Reeves/SSC; HOP 349

- to increase the number of XRT synoptic images per day
- target will be full-disc Solar Corona; schedule every two hours; do not combine with regular synoptics that run at 06:00 UT and 18:00 UT

2. Hi-C 2.1 Sounding Rocket Support - Savage (sabrina.savage@nasa.gov), Winebarger, Golub, Reeves, Savage/SSC; HOP 350

- to obtain coincident data with the Hi-C sounding rocket flight in order to provide context for high resolution EUV data
- target will be an Active Region; Hi-C team will provide coordinates to the Hinode planners
- current rocket launch window: 13:00 CT \pm 1 hr on **29th May**
- **SOT, XRT, EIS** (if available) and **IRIS** support requested; proposals for **DST/IBIS, /ROSA** and **/FIRS** observations to be submitted.

3. Re-run of Hinode/GREGOR Observations Previously Run on August 29th, 2016 - Lites

(lites@ucar.edu), Borrero, Shine/SSC; HOP 321

- previous run hindered by i) GREGOR affected by stray light and ii) Hinode/SOT not operated in high resolution mode
- PCA-based deconvolution can now remove scattered light; **SOT/SP** can be run at 0.32" resolution
- preferred target: Active Region; if none available, alternative Quiet Sun (QS) programme can be run
- schedule: one week of GREGOR time available **16th through 23rd April**; agreed by **SSC**, preliminary agreement for further observation during two week GREGOR slot in July
- need to add possible QS programme description to HOP text

Continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run on **5th March** (S pole deep) and **7th March** (N pole fast)
- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **13th March** (N/S only)
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **21st March** if **EIS** is available.

e. Monthly Science Reports

- next **Hinode** monthly science report will be prepared by the **XRT Team** for **13th March** -
see http://hinode.msfc.nasa.gov/science_charts/ for template and previous chart
- provide one summary slide for Hinode team management at MSFC and two additional slides for NASA HQ

f. Date of Next Meeting

- next meeting: **22nd March, 2018** at **07:00 JST**; **21st March, 2018** as appropriate in US/Europe

g. AOB

Senior Review Panel meeting on **30th October** was concluded successfully. Official outcome still awaited.