

149th Hinode SSC Meeting on 27th June, 2019 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 nominal.

The recent late request for Hinode to support a NuStar solar observation was discussed. It was agreed that a list of important ToO observations should be added to the monthly planning notes. **Savage** will inform COs how NuStar and ALMA requests should be handled

2. Report on Changes to Instrument Telemetry Allocation

There are no further reports on telemetry allocation changes

3. FM Calendar

Hinode focus mode calendar has been updated. Upcoming sounding rocket launch dates are included.

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

There was still no further information on the outcome of the recent **HOP 371** run.

The proposers of **HOP 375** agreed the related observations to be made by SOT, XRT and IRIS

c. Review/Discussion of Open HOPs and ToOs

- routine **HOPs 79, 81 and 130** were run as planned during **June**; dates were agreed for **July**
- **Parker Solar Probe (PSP)** coordination in **September** was successful.

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

1. Polar Plume Observations during the 2019 July 2 Total Solar Eclipse - Sterling

(alphonse.sterling@nasa.gov), Pasachoff (jav.m.pasachoff@williams.edu), Savage/SSC, Watanabe/SSC, De Pontieu/SSC; **HOP 376**

- X-ray observations of polar plumes to supplement ground-based visible light observations of the 2019 July 2 total eclipse from Chile

- these observations require careful coordination with **HOP 374**; **Reeves** and **DeLuca** have circulated a timing plan for these observations
- an additional **EIS** team observation will be accommodated if possible

2. Magnetic Flux Emergence during Penumbra Formation - Romano (paolo.romano@inaf.it), Guglielmino, Zuccarello, Yurchyshyn, Savage/SSC, Watanabe/SSC, De Pontieu/SSC; HOP 377

- discriminating between two main scenarios for penumbra formation
- **SOT**, **XRT** and **IRIS** support requested; **Shine** and **Reeves** will discuss the Hinode requirements with the proposers
- observation dates: **5 - 11 October**; time window: **17:00 - 22:00 UT**

3. EPO Observation mainly for High School Students - Yaji (kentaro.yaji@gmail.com), Savage/SSC, Watanabe/SSC, De Pontieu/SSC; HOP 173

- observe active regions or prominences at the solar limb
- **SOT** and **XRT** support requested; no overlap with support for MOSES launch
- details remain as previously so HOP number is unchanged

4. Observations of Spicule Dynamics and Prominence Structures by Hida, IRIS and Hinode - Tei (teiakiko@kwasan.kyoto-u.ac.jp), Ueno, Ichimoto, Sakaue, Shibata, Heinzl, Gunar, Okamoto, Savage/SSC, Watanabe/SSC, De Pontieu/SSC; HOP 378

- investigating spicule dynamics and prominence structures by multi-line spectroscopy and deriving their physical properties
- **SOT**, **EIS**, **XRT** and **IRIS** support requested; **XRT** team prepared to change bakeout date if necessary, **Reeves** will check for any overlap
- observation dates: **22nd - 26th July** and **12th - 16th August**; time window: **00:00 - 02:00 UT** minimum, **22:00 - 04:00 UT** desirable

5. Assessing the Solar Open Magnetic Flux upwards from the Surface - Xudong Sun (xudongs@hawaii.edu), Jaeggli (sjaeggli@nso.edu), DeRosa/SSC, Shine/SSC; HOP 379

- characterize the coronal hole (polar or on-disk) photospheric magnetic field properties with the aim of improving the heliospheric open magnetic flux estimate
- **SOT** support requested
- observation dates: **19th - 23rd September**; time window: **15:00 - 24:00 UT**
- time conflict with **HOP 373**; this HOP should have priority on 23rd September

6. Coordinated Observation with the ESIS/MOSES III Sounding Rocket - Kankelborg (kankel@montana.edu), Parker, Smart, Savage/SSC, Watanabe/SSC, De Pontieu/SSC; HOP 380

- determine the causes and energetics of explosive events in the solar transition region, and to look for coupling of these events to the chromosphere and corona
- **SOT**, **EIS**, **XRT** and **IRIS** support requested
- **MOSES** launch currently scheduled for **20th August**; 1 hr launch window around White Sands local noon, **19:00 UT**
- proposers wish to avoid launching during Hinode SAA passage; **Mckenzie** will advise them how to obtain SAA transit times two weeks in advance of launch date; action completed following meeting

Continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run on **5th July** (N pole fast) and **7th July** (S pole fast)
- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **11th July** (N/S only)
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **9th July**
- **Cycle 25 Bright Points - Bryans , Centeno, Savage; HOP 336**
- run on every Monday at S45 and N40; **1st, 8th, 15th, 22nd and 29th July**

e. Monthly Science Reports

- next **Hinode** monthly science report will be prepared by the **XRT Team** by ~ **9th August**
- **NOTE:** Science chart site access has been changed due to IT requirements; **Savage** has established a new Google drive site 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: **25th July, 2019** at **07:00 JST**; **24th July, 2019** as appropriate in US/Europe

g. AOB

Savage informed the SSC that the **Hinode-13 SOC** is including a session weighted toward Ted Tarbell's contributions to the community. There will also be a memory book at the conference dinner for the Hinode community to contribute their stories, which will be given to Ted's family.