

## 148<sup>th</sup> Hinode SSC Meeting on 16<sup>th</sup> May, 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.

Question was raised regarding planning difficulties when the number of requested HOPs was large. SSC agreed that these issues should be solved at the weekly meetings. In cases of continuing difficulty, the SSC should be contacted.

##### 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

Following discussions with the **HOP 367** proposers, it was agreed not to run the HOP before the end of the eclipse season which for EIS is in late August

**DeLuca** submitted a HOP for support of the **AirSpec IR** eclipse observations. It was agreed by SSC and he will provide details of the required pointings for XRT and EIS at each limb.

Hinode team requires a new date for the delayed **EUNIS** rocket launch. It was agreed that **Mckenzie** would check the date. Following the meeting he reported the date as **24<sup>th</sup> September, 2019**

#### c. Review/Discussion of Open HOPs and ToOs

- routine **HOPs 79, 81 and 130** were run as planned during **May**; dates were agreed for **June**
- **HOP 344** was run successfully. Run next following end of IRIS and EIS eclipse seasons.
- **NU-STAR** support HOP was run successfully. It was the flare and not the quiet sun version.

- next **Parker Solar Probe (PSP)** coordination will be in **September**. It will be difficult to plan since **PSP** will be mainly on the far side of the sun
- **HOP 371** was run successfully; results have not yet been reported

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

##### **1. Formation and Destabilisation of Filaments - Schmieder ([brigitte.schmieder@obspm.fr](mailto:brigitte.schmieder@obspm.fr)), Labrosse ([Nicolas.Labrosse@glasgow.ac.uk](mailto:Nicolas.Labrosse@glasgow.ac.uk)), DeRosa/Shine/SSC; HOP 373**

- SOT/SP to measure the parasitic polarities in the barbs of filaments
- targets: filaments; quiescent or in active regions
- coordinated observations with SOT, EIS and with XRT for active region filaments; also coordination with THEMIS; time window: 08:00 UT to 17:00 UT; dates: **23<sup>rd</sup> September** to **4<sup>th</sup> October**
- HOP was resubmitted with completed details of the SOT, EIS and XRT observations

##### **2. Hinode Observations in Support of Airborne IR Eclipse Observations - DeLuca ([edluca@cfa.harvard.edu](mailto:edluca@cfa.harvard.edu)), Mariska/Warren/SSC; HOP 374**

- Hinode observations in support of airborne IR eclipse observations
- obtain EIS Spectra above the East and West limb before and after the eclipse
- date/time: **2<sup>nd</sup> July, 2019/19:24 UT**; observations to occur within 12 hr of the eclipse; prefer scans 2-3 hr before and 2 hr after eclipse; time window: 12 hr
- target: deep raster from the limb out to 120"; 60 2" steps per raster; full read of detector; long exposures; east and west Limb spanning the equator is the default; pointing adjustments based on PSI forecast will be suggested 2-days before the eclipse
- EIS observations to use studies: PRY\_slot\_context\_V3 and Atlas\_120
- XRT to operate CME watch
- no request for SOT or IRIS support

##### **3. Flare Ribbon and Current Sheet Instabilities during Solar Flares - French ([ryan.french@ucl.ac.uk](mailto:ryan.french@ucl.ac.uk)), Matthews ([sarah.matthews@ucl.ac.uk](mailto:sarah.matthews@ucl.ac.uk)), Culhane/SSC; HOP 375**

- flare ribbon and current sheet instabilities during solar flares
- investigating flare ribbon sub-structure to gain insight into current sheet dynamics, in support of Swedish Solar Telescope (SST) observations
- target: suitable AR must be available during SST observing slot; SST team to nominate AR
- date/time: **4<sup>th</sup> - 17<sup>th</sup> July, 2019**; SST daylight hours
- EIS observations will use study "QUB hi-cad flare v1"; run for 1-2 hr to overlap with SST and IRIS
- SOT request: run 60" x 120" fast map with pointing centred on polarity inversion line (PIL)
- XRT request: AR observation alternating between Al/poly and Al/thick
- IRIS request: medium sit-and-stare; slit centered over PIL

**NOTE:** SSC suggested that the proposers contact **DeRosa/SOT**, **Reeves/XRT** and **De Pontieu/IRIS** to clarify and update the observing requirements

Continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run on **5<sup>th</sup> June** (N pole fast) and **7<sup>th</sup> June** (S pole fast)
- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **13<sup>th</sup> June** (N/S only)
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **11<sup>th</sup> June**
- **Cycle 25 Bright Points - Bryans , Centeno, Savage; HOP 336**
- run on every Monday at S45 and N40; **27<sup>th</sup> May, 3<sup>rd</sup>, 10<sup>th</sup>, 17<sup>th</sup> and 24<sup>th</sup> June**

#### **e. Monthly Science Reports**

- next **Hinode** monthly science report will be prepared by the **SOT Team**; work is still ongoing; **Savage** will coordinate this report with **S. Tiwari**
- **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: **27<sup>th</sup> June, 2019** at **07:00 JST**; **26<sup>th</sup> June, 2019** as appropriate in US/Europe

#### **g. AOB**

**Savage** reminded the meeting that the registration and contribution submission deadlines for the **Hinode 13** meeting are approaching.