175th Hinode SSC Meeting on 26th August, 2020 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.

2. Report on Changes to Instrument Telemetry Allocation

There are no further reports on telemetry allocation changes.
No issues with the new arrangement for periods when telemetry useage is unusually high have been reported.
During **September/October**, high TLM useage will require careful management of observation schedules

3. FM Calendar

Currently in Normal Mode. A two day holiday FM period will be on **28th/29th November.**

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.
Matthews will submit a date for a possible **HOP 344** run in **August**
For the **HOP 423** coordination with Solar Orbiter (SO)/PHI, exact time windows will be provided at least two weeks before the observations and for SO/HRT coordination pointings will be provided by **13th September**
For **HOP 423**, SOT team will send a telemetry availability statement to the proposers
HOP 206 will be moved back by one day; **Shine** will change programme date
For **HOP 424 – CLASP** coordination for **5th October**, **EIS** team (**Matthews/Hara**) will send details of an appropriate **EIS** study
SPICE team will request a HOP to be run on **5th November**
Tom Woods has asked if Hinode team wish to do joint observations with the EVE cal rocket to be launched on **9th September**

c. Review/Discussion of Open HOPs and ToOs

- **HOP 344** will be run on **16th/17th October**
- **HOP 386** has been requested but no dates submitted; SOT support difficult; request run in **October**
- next PSP encounter **is November 16th** to **26th** ; **HOPs 409** and **410** will support
- **MaGIXS** support HOPs have been run succesfully
- **HOP 425** - EIS support for Solar Orbiter, may run in November; **Matthews** will clarify
- **HOP 423** is currently running in support of Solar Orbiter
- **HOP 420 -** a BBSO collaboration, will be run **September 27th** to **October 6th**; telemetry useage must be coordinated
- **HOP 361** will be run by the EIS team in the period **25th September – 10th October** due to high telemetry useage; observation may extend to **16th October**

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

Two new HOP proposals were submitted

1. Coordination with SST, IRIS, and Solar Orbiter PHI - Dynamics of Flux Cancellation in Neutral Lines, Chintzoglou (gchonzo@lmsal.com) , Savage/SSC, Watanabe/SSC, De Pontieu/SSC; HOP 426

- IRIS, SST and Solar Orbiter PHI High Resolution Campaign coordinated observations of the dynamics of flux cancellation in emerging or decaying active region neutral lines.
- dates: **11th September – 24th September;** every other day during LMSAL shift at SST
- time window: 08:00 UT – 10:00 UT; avoid short interruptions if possible
- targets: 1. TOO - Neutral line of an emerging AR. 2; TOO - Neutral line of a decaying AR/opposite polarity plage
- SOT, XRT and IRIS requests are given in HOP list; no request to EIS
- depending on the target neutral line orientation, may sacrifice cadence for an additional 20" along the x-direction; doubling it to 3.2 minutes per raster for a promising target

2. Emergence, Evolution, and Structure of the Network Magnetic Field: Photosphere, Chromosphere, and Transition Region – Hansteen (viggoh@gmail.com) , Gosic, De Pontieu, Sainz-Dalda, Matthews/SSC, Culhane/SSC; HOP 427

- finding the correspondence between the structure of the network photospheric/chromospheric magnetic field and the topology and evolution of the atmosphere above.
- dates: request 2 – 3 days during LMSAL access period to SST (**11th – 24th September);** consecutive days not necessary; actual dates to be specified by LMSAL/SST team
- time window: minimum 1 hour in range 07:00 UT to 11:00 UT; several hours preferable; short interruptions allowed
- target: Quiet Sun strong network on-disc
- SOT, XRT, EIS and IRIS requests are given in HOP list
- SOT has several other high priority observations during this period; observation schedules will be carefully managed and HOP schedules may be altered

Continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run on **4th August (**N pole fast**)** and **6th August (**S pole fast**)**

- **HOP 206 –** continues into **September;** dates are **1st, 4th, 7th, 10th, 13th, 16th, 19th, 22nd**

- **HOP 81** – **September** (max B angle) – **9th September** (N pole deep); **8th September** (S pole fast)

- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **21st September** and on **10th September** to support EVE rocket

- **Synoptic SOT Irradiance Scans – Egeland, Centeno; CORE HOP 412**
- run on **28th September**

- **Cycle 25 Bright Points - Bryans , Centeno, Savage; HOP 336**
- run on **6th**, **12th** and **27th September;** one run moved and one deleted

- **Cycle 24/25 Equatorial Transition - Egeland, Bryans, Centeno, Savage, Watanabe, De Pontieu; HOP 393**
- run on every Saturday throughout **September**

e. Monthly Science Reports

- next **Hinode** monthly science report will be prepared by the **SOT Team** by **11th October**
- **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: **23rd September 2021** at **07:00 JST**; **22nd September, 2021** as appropriate in US/Europe

g. AOB

On-going reminder**:** press-worthy Hinode highlights to be sent to **Savage** prior to publication.
14th Hinode meeting will be organised as a hybrid meeting; registration will open on **1st September;** for information about meeting status and agenda, email:
Ignacio Ugarte-Urra (ignacio.ugarte-urra@nrl.navy.mil)
Upcoming Hinode launch 15th anniversary should continue to be discussed by the team for more ideas.