118th Hinode SSC Meeting on 17th November, 2016 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 TelemetryAllocation

Tarbell reported the availabilityof new planning software from **Shimizu-san** to compute the fraction of limb pointing in a timeline and suggest a telemetry allocation for consideration at the daily meeting. Since its introduction on **22nd October,** the new code and planning procedures are working well,

Following the availability of the new code, **Savage** will circulate a statement that describes the current telemetry allocation procedure for **Hinode**.

3. ALMA

Preliminary schedule was circulated by **Kobelski** along with the **ALMA-Hinode-IRIS** weekly and weekend timelines. The final **ALMA** schedule will be circulated shortly.
Suggestions for the content of the generic HOP can still be provided.

4. FM Calendar

Hinode continues to operate in standard mode until **22nd Nov** when it will switch to focused mode.

5. 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 discussion by **Savage** and **Shimizu-san,** new planning software was agreed and introduced

c. Review/Discussion of Open HOPs and ToOs

- routine **HOPs 130, 79** and **81**were run as planned during **August**
- following discussion, dates for the **September** running of **HOPs 130, 79** and **81** were agreed. In order to conincode with the B = 0 crossing, the **HOP 81** date is inflexible

- **HOP 307** is waiting to be run during a future Focus mode. It should not be run during IRIS eclipse season which ends in early February

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

1. Support for ALMA Cycle 4 Observations (generic) - Kobelski (adam.kobelski@uah.edu), Savage/SSC (sabrina.savage@nasa.gov); HOP 328

- **HOP** to support cycle 4 ALMA observations for proposers that do not have a specific HOP request
- thirteen proposals may be observed from **8th** to **28th Dec** with any remaining proposals being run from **14th** to **28th Apr;** 1or 2 proposals will be run from **3rd Jan** to **4th Feb;** 1or 2 proposals will be run from **1st Mar** to **4th Apr;** exact timings will be made available as soon as possible
- observations will be during **ALMA** day; 13:00 UT - 20:00 UT in **Dec** otherwise 13;30 UT - 19:30 UT
- requested instrument modes are given in HOP listing; **SOT** specification is complete; **EIS** team should appropriate study; **XRT** has specified a range of filters with selection dependent on solar conditions

2. Micro-flares in the Chromosphere with ALMA - Kobelski (adam.kobelski@uah.edu), Tarr (lucas.tarr.ctr@nrl.navy.mil); Savage/SSC (sabrina.savage@nasa.gov);HOP 329

- observe microflaring events from the photosphere through the chromosphere and into the corona
- target: Active Region Plage
- final schedule depends on weather and **ALMA** planning; observe for 3.5 hr total on **8th** to **28th Dec, 3rd Jan** to **1st Feb, 1st Mar** to **4th Apr** or **14th** to **29th Apr**
- requested instrument modes are given in HOP listing; **SOT** specification is complete; **EIS** team should suggest a suitable raster to cover target area and **EIS/CO** should select appropriate data compression scheme; **XRT/CO** should select suitable filter

3. ALMA Observation of the Dynamics ofChromospheric Heating - De Pontieu (bdp@lmsal.com), Savage/SSC (sabrina.savage@nasa.gov); HOP 330

- constrain the heating mechanisms in both the magnetically quiet and magnetically dominated (plage) chromosphere of the Sun; use coordinated ALMA, Hinode and IRIS observations; compare with advanced numerical model outputs
- target: plage close to disc centre; strong network region if no plage available
- schedule: request two 1 hr **ALMA** observation periods in **8th** to **28th Dec** interval
- **SOT** observing modes are in the HOP listing; **Tarbell** will send updates for inclusion in the HOP list; **EIS** and **XRT** should operate as in the generic HOP 328

NOTE: Prior to ALMA campaign start on **8th Dec, IRIS** and **SOT/SP** will undertake a co-alignment exercise which will be repeated at weekly intervals during the campaign.

The continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run on **5th December (**N pole fast**),** and **7th December (**S pole fast)

- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **20th December (**N/S only**)**

- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **13th December**

These dates may change depending on the final **ALMA** schedule. The **HOP 81** dates are not flexible.

e. Monthly Science Reports

- next **Hinode** monthly science report will be prepared by the **SOT Team** in **January**
- see http://hinode.msfc.nasa.gov/science_charts/ for template and previous charts

f. Date of Next Meeting

- next meeting: **22nd December**, **2016** at **07:00 JST**; **21st December, 2016** as appropriate in US/Europe

g. AOB

Reeves reported that XRT movies can now be made in Helioviewer.
See: https://helioviewer.org/?movieId=sqdh5.
Note that XRT data is not yet in ***jHelioviewer*** (the desktop app), but only on the helioviewer.org website. Please check material and send comments to **Reeves**