

117th Hinode SSC Meeting on 20th October, 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 and operating. SOT limb observations will be significantly reduced.

XRT is nominal.

EIS is nominal. Next bake-out will not begin before Week #2 of January, 2017

2. Report on Changes to Instrument Telemetry Allocation

Tarbell had no new information on TLM allocations for the past month. **Shimizu-san** is continuing to prepare software for the Chief Planner that will compute the fraction of limb pointing in a timeline and suggest a telemetry allocation for consideration at the daily meeting. Following its definition, **Savage** will discuss this procedure with **Shimizu-san**.

3. ALMA

Kobelski summarised current planning for the ALMA/Hinode campaign. A total of 15 proposals were approved. Observing periods are: **Dec 8 -28** and **Apr 14 - 29** for 12 proposals; **Jan 3 - Feb 1** for one proposal and **Mar 1 - Apr 4** for one proposal. The final proposal can observe in any of the above intervals. Two ALMA HOPs will be discussed at this meeting, For the remaining 13, a generic HOP - similar to HOP 276, will be prepared for consideration by the ALMA teams. HOP requests should be submitted by early Nov. The final ALMA observing schedule should be available by mid-Nov. The ALMA Astronomer on Duty will be the observation coordinator who will provide the time and target for each observation.

Kobelski would welcome suggestions for the content of the generic HOP.

4. FM Calendar

Hinode continues to operate in standard 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

- **Savage** reported that preparations for the senior review were ongoing.

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.
- **HOP 307** is waiting to be run during a future Focus mode.

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

1. Constraining the Temperature and Heating Mechanisms in the Solar Plage Chromosphere - Leenaarts (jorrit.leenaarts@astro.su.se), Savage/SSC (sabrina.savage@nasa.gov); HOP 326

- constrain the temperature, velocity, microturbulence and magnetic field in solar plage
- awaiting ALMA observing time schedule; **8th - 28th December** is likely; **14th - 28th April** possible
- requires minimum 180 minutes uninterrupted observing time
- no request for **XRT** or **EIS**

2. ALMA-Hinode-IRIS Cycle 4 Observation: Energy Evaluation of Micro- and Nano-flare Heating Events in Solar Active Regions - Shimizu (shimizu@solar.isas.jaxa.jp), Shimojo, Watanabe/SSC (watanabe@uvlab.mtk.nao.ac.jp); HOP 327

- ALMA-Hinode-IRIS coordination to estimate the energy released by small reconnection events in active regions
- awaiting ALMA observing time schedule; requests 3 hr observation; required configuration available **3rd Jan - 2nd Feb**
- for **EIS**, request repeated high cadence scans using `cam_artb_lite_v2`
- for **XRT**, G-band images not suitable for alignment; **SOT** and **IRIS** requests as listed in HOP text

The continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run on **5th November** (N pole fast), and **8th November** (S pole fast)
- **Synoptic SOT Irradiance Scans – Tarbell; CORE HOP 79**
- run on **15th November** (N/S only)
- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- run on **1st November** and **22nd November**

e. Monthly Science Reports

- next **Hinode** monthly science report is being prepared by the **XRT Team**
- see http://hinode.msfc.nasa.gov/science_charts/ for template and previous charts

f. Date of Next Meeting

- next meeting: **17th November, 2016** at **07:00 JST**; **16th November, 2016** as appropriate in US/Europe

g. AOB

Savage reported that the 2017 Focus Mode calendar was now on the website. Comments were requested.