

92nd Hinode SSC Meeting on 18th September, 2014 at 07:00 JST

Short Summary, Conclusions and Actions

The meeting was chaired by **Cirtain** in the absence of **Savage** on travel.

a. Program Status:

1. Instrument Status Review

SOT not quite nominal (see report of **63rd SSC**); blurring and intensity changes now visible for **20% - 25%** of the NFI field of view; NFI observations remain possible but will take a little longer; no change reported from **August** status.

XRT is nominal – no change reported

EIS is nominal – no change reported.

2. Outcome of Second Focused Mode Ops Test

Following the previous circulation of a summary of U-side team views, a version providing J-side views and comments was sent to **SSC** by **Shimizu-san** just prior to the meeting. This was briefly discussed and members were asked to forward their comments to **Savage**. The joint document would be discussed more fully at the **October SSC** meeting while the focussed mode test outcomes will be assessed at the upcoming **Hinode SWG** meeting on **1st November**.

3. Missed Solar Flares

In a pre-meeting message, **Shimizu-san** commented that an X-class flare had recently been missed by Hinode because there had not been a timely response to a major flare alert. Points raised in discussion included:

- COs may feel that it is difficult to change pointing and instrument modes at short notice
- given the top mission priority assigned to flare observations, means should be found to do this
- COs can contact the CP or **Shimizu-san** to request a mission response to a major flare alert
- teams need to be clear that flare science is a large part of on-going mission approval and support and should thus take priority over IHOPs and HOPs

Following the meeting, tabulated data that summarized the mission response to X-class flares in 2014 were circulated by **Shimizu-san** and **Savage** – SSC comments are requested

ACTION: Cirtain agreed to review the information available for the 2014 X-flare observations

4. Changes to Instrument Telemetry (on-board storage) Allocation

ACTION: Any telemetry allocation change agreements for a HOP should be communicated to Watanabe for inclusion in the Monthly Events listing and ideally in the HOP list; Ongoing

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

Modification to HOP guidelines, assessment and formulation of requests to HOP proposers regarding the productivity of their HOPs will be fully discussed at the upcoming **Hinode SWG** on **1st November**. SSC actions on these topics are therefore closed pending the **SWG** meeting outcome.

- other actions have been closed

c. Review/Discussion of Open HOPs and ToOs

- routine **HOPs 240, 81, 130 and 79** are being run as planned during **September**
- proposed dates for their **October** running were agreed

d. Review of New Proposals and Scheduling of Observations

1. High Cadence Study of Sunspot Light Bridges' Activity – Kanoh (kanoh.ryuichi@ac.jaxa.jp), Shimizu (shimizu@solar.isas.jaxa.jp) - ToO HOP 271

- joint **Hinode** and **IRIS** observation of light bridges; very limited number of high cadence SP observations currently available
- minimum observation time: 1 hr free of any interruption; ideally do 4-5 observations at 4 – 6 hr/day
- proposers should consider obtaining **EIS** chromospheric lines during their observations

2. Observation to Identify MHD Waves – Norton (aanorton.stanford.edu), Shine (shine@lmsal.com) – ToO HOP 272

- related observations agreed by **IRIS** team; observe for **6 hr** to obtain good frequency resolution
- no request to **XRT** or **EIS**

3. Hinode Support for NRL VAULT Rocket Launch – Vourlidos (vourlidos@nrl.navy.mil), Mariska (jtmariska@gmail.com) - HOP 273

- support agreed for **VAULT** launch from **WSMR** on **September 13th** at **17:48 UT**
- observe Active Region target at disc centre
- requires **4hr EIS** support; studies as used in **HOP 235** for the **VERIS** campaign
- **SOT** team to consider telemetry tradeoff due to large **VAULT** field-of-view
- proposers requested **urgently** to indicate contingency fall-back dates; **Mariska** circulated their comments to SSC following the meeting

The continuing monthly observations are:

- **Polar Monitoring - Shimojo; CORE HOP 81**
- run **fast scans** on **14th Oct; S pole** and **16th Oct; N pole**

- **Multi-temperature Full Disk Slot Scans** – Ugarte-Urra, Brooks, Warren; CORE HOP 130
- run on **7th** and **28th** October
- **Synoptic SOT Irradiance Scans** – Tarbell; CORE HOP 79
- run on **21st** October (N-S) and **23rd** October (E-W)
- **Temporal Evolution and Magnetic Polarity Reversal of the Sun's Polar Magnetic Patches** – Suematsu (suematsu@solar.mtk.nal.ac.jp); HOP 240
- run on **28th** October (S-Pole movie) and **30th** October (N-Pole movie)

e. Monthly Science Reports

- next Hinode monthly coordinated science report to be prepared by **Doschek/EIS Team**
- see http://hinode.msfc.nasa.gov/science_charts/ for template and previous charts

f. Date of Next Meeting

- next meeting: **23rd October, 2014** at **07:00 JST**; **22nd October, 2014** as appropriate in US/Europe

g. AOB

- **Cirtain** informed the SSC that was his last meeting as NASA Hinode Project Scientist. From today, the position passes to **Savage** as had been previously decided and agreed.