

## 48<sup>th</sup> Hinode SSC Meeting on 20<sup>th</sup> January, 2011 at 07:00 JST

### Short Summary, Conclusions and Actions

#### a. Program Status:

SOT nominal;

XRT nominal;

EIS nominal;

#### b. Review and Discussion of Action Items from Meeting #47

- **Berger** circulated a list of ToO HOPS with a view to establishing a queue system to be operated as appropriate by COs at the daily meetings. **Sekii** has responded to say that **HOP 102** and **HOP 131** require additional data and should remain on the list.

#### **ACTION: Hinode teams to address actions as indicated in the list**

- Following circulation of summary plots for two months (6 Oct/19 Nov, 2010) use of the XRT flare trigger, **Grigis** described the results. XRT team will continue to optimise the system. SOT team expressed surprise that the system was responding to B/Low C events while the EIS team noted that impulsive phases would generally occur before trigger operation. EIS team will discuss possible use for thermal phase studies at its March team meeting and will continue development of its internal He II 256 Å impulsive phase trigger. SOT team will discuss the topic at its next weekly meeting, will turn on the SOT flare trigger again and check its response to the flare impulsive phase.

#### **ACTION: Tarbell to comment on SOT trigger responses at a future meeting**

Cirtain reported his survey of the use of synoptic data in publications. A first check suggested a comparatively small number of papers – one XRT and two EIS

#### **ACTION: Golub will check use of XRT synoptic data and Cirtain will continue to track use of synoptic data; ongoing**

Other actions are closed

#### c. Review and Discussion of Action Items from Palermo SWG Meeting:

- Following discussion of HOP-related publication numbers and the need to track HOP productivity, it was agreed that **Cirtain** would summarise possible mechanisms for this at the next SSC meeting

#### **ACTION: Cirtain to present comments on HOP assessment and tracking to future SSC; ongoing**

- SSC asked 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**

#### **d. Review/Discussion of Open HOPs and ToOs**

- **HOP 177** requires ~ 50% TLM allocation for EIS to run during an OP for a low-latitude coronal hole observation. Suitable target should be available in week of 6<sup>th</sup> February. Request was **agreed** and scheduled for **8/9 February**.
- **HOP 101** is needed to acquire a set of 16 hour Helioseismology observations in the interval **20<sup>th</sup> February to 21<sup>st</sup> March** (favourable B-angle season) to follow up on the recent detection by Nagashima et al of supergranulation alignment in the polar regions and to undertake “stereo” helioseismology. Observation **agreed** subject to possible interruption for high activity (major flare alert or possible M-class and above); or rapidly emerging active region at favorable disk position. Interruption would be restricted to  $\leq 4$  days (except in case of major flare alert). EVE calibration rocket flight window (February 23<sup>rd</sup>) will be avoided. Request to avoid SDO/HMI eclipse periods conflicts with Hinode SAA-free time and will be discussed again at February SSC meeting.

#### **e. Review of New Proposals and Scheduling of Observations**

##### **1. Centre-to-Limb Variation of G-band Intensity – Chitta, Jain, Kariyappa**

- in **Sekii's** absence, discussion was deferred to next meeting

##### **2. Role of Solar Convection in AR Formation - Getling, Ishikawa; ToO HOP 181**

- schedule in 6 hour blocks/day as soon as possible after identification of new emerging activity near CM
- no other Hinode instruments required so good to also schedule **HOP 160**; run GDZ\_300x384\_S2S3\_35s during the 6 hour interval

##### **3. Comparison of Horizontal Velocity Fields Measured by Hinode and SDO/HMI – Roudier, Berger; HOP 182**

- schedule for 10 separate ~ 3 hour blocks when possible; avoid SDO eclipses

##### **4. Long-term Dynamics of Prominences - Foullon, Berger; ToO HOP 183**

- schedule close to STEREO quadrature for suitable polar crown prominence
- EIS sparse raster as used in **HOP 150** may be helpful; otherwise use EIS slot raster
- tentatively scheduled for **18<sup>th</sup>/19<sup>th</sup> February**

##### **5. The continuing monthly observations are:**

- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; CORE HOP 130**
- programme to be run on **1<sup>st</sup> and 23<sup>rd</sup> February**
- **Synoptic SOT Irradiance Scans – Berger; CORE HOP 79**
- programme to be run on **2<sup>nd</sup> February** and **1<sup>st</sup> March (N-S)** and **3<sup>rd</sup> February** and **2<sup>nd</sup> March (E-W)**

- **Polar Monitoring - Shimojo; CORE HOP 81**

- programme to be run on **4<sup>th</sup>/5<sup>th</sup> February** and **4<sup>th</sup>/5<sup>th</sup> March**

- extended six day programme will be scheduled after the end of **HOP 101** observations on **21<sup>st</sup> March**

**f. Other Business and Date of Next Meeting**

- noted that the SDO/EVE calibration rocket has a current launch date of **23<sup>rd</sup> February 18:20 UT – 18:50 UT** from White Sands. It was agreed that **at least two HOP 130 runs** would be scheduled to cover this launch. Final Hinode schedule to be set when rocket launch date is confirmed.

**ACTION: Mariska to communicate final date to Berger for inclusion in Hinode calendar**

- next meeting: **25<sup>th</sup> February**, 2011 at 07:00 JST; **24<sup>th</sup> February**, 2011 as appropriate in US and UK

- note that the meeting will be on **Friday 25<sup>th</sup> JST** rather than the more usual **Thursday**