34th Hinode SSC Meeting on 19th November, 2009 at 07:00 JST

Short Summary, Conclusions and Actions

a. Instrument Status:

SOT nominal; Investigation of small (~10" diameter) low-contrast "pupil images" in NFI data being investigated using ZMAX code. Meantime flat fielding is able to remove the artifacts entirely.

XRT currently using single medium Al filter; Heater circuits being studied; Hope to resume normal operation early in week of 23 November.

EIS nominal.

b. Review and Discussion of Action Items from Meeting #33

1. Editing of HOP List

- editors in addition to Watanabe-san agreed as:

SOT: Zoe Frank; XRT: Kathy Reeves; EIS: Len Culhane

2. Ground Based Observation (GBO) Protocol

- document sent to SSC by Tom Berger was agreed for circulation to proposers of new GB HOPs

c. Review/Discussion of Open HOPS and ToOs

- no items this month

c. Review of New Proposals and Scheduling of Observations

1. Type II Spicules: candidate for coupling chromosphere and corona – Doyle; HOP 144

- observe near limb for best spicule visibility; joint programme with DST ROSA/IBIS

- eight DST days available in late February; exact dates TBD; provisional dates Feb 13-20, 2010

2. EIS/XRT cross-calibration – Del Zanna, Cirtain; HOP 145

- ToO for AR at limb; non-flaring AR required e.g. no δ-spot configuration

3. Solar Wind source regions during solar minimum conditions – Yuan-Kuen Ko; HOP 146

- characterise solar wind source regions twice per Carrington rotation over six months

- run for 10 hours, once per two weeks, for six months; start December 14 and 27 to complete before activity starts; should give way for studies of complex flaring ARs

4. Formation and decay of sunspot penumbrae – Choudhary; HOP 147

- imaging and spectropolarimetry of penumbrae; joint programme McMath-Pierce, new IR array/SOLIS; ToO

- ground-based facility available 17:00 UT to 24:00 UT, dates to be allocated for January – March, 2010

5. High Frequency Oscillations in the Photosphere and Lower Chromosphere – Cadavid; HOP 148

- use SOT BFI and NFI filtergrams to describe oscilations and energy transport in quiet Sun

- run 15th December; duration 3 – 4 hours

6. Observation of Emerging Magnetic Flux near Disc Centre – Harra; HOP 149

- capture flux emergence episodes and observe related flows in atmosphere

- run for at least one day, longer preferred; programme to run during holiday period 30th December to 4th January unless suitable AR available

7. Flows during a filament eruption – Demoulin, Harra; HOP 150

- ToO for on-disc filament; observe change in flows in the build-up phase and during the eruption

8. In addition to the above, the continuing monthly observations

- **Multi-temperature Full Disk Slot Scans – Ugarte-Urra, Brooks, Warren; HOP 130**

- EIS long-term programme will be scheduled for

    - 8th and 29th December

- **Synoptic SOT Irradiance Scans – Berger, HOP 79** will be scheduled for

    - 1st December (EW) and 20th December (NS)

- **Polar Monitoring - Shimojo, HOP 81** will be scheduled for

    - 25th and 26th December

d. Other Business and Date of Next Meeting

- the SSC noted that John Davis would now be standing down as Chair to be suceeded by Jonathan Cirtain and wished him well for the future

- next meeting on 17th December at 07:00 JST; 16th December as appropriate in US and UK