

Session 6 – Discussion of Future Prospects and other things

Thursday 07 May 2009 16:30h-17:30h

Notes taken by Mario M. Bisi – Session Chaired by Richard A. Fallows

The end of the Workshop draws near with some final wrap-up comments and thoughts on future work following from the various sessions thus far this week. Time periods that were agreed upon which people at the workshop said they would look at and feed into were: the April/May 2007 period (as an extra); the January 2007 period, specifically 24-25 January 2007; the November 2007 period, specifically 17-22 November 2007; and the two April 2008 periods, specifically 11-15 and 24-28 April 2008. Mario is to compile a more substantial listing by the end of May 2009 and then some final 3-5 events for our splinter community to concentrate on and ask questions of will be undertaken via E-Mail and eventually some form of wiki [see later discussion regarding wiki options].

Mano and Americo showed the official first-light IPS observations from the MEXART array – many congratulations to MEXART! There were 3 observations each lasting 50 seconds. Please ask Mano or Americo for exacting specifications to the observations.

Divya commented that this was the third in a series of Workshops [Pushchino, Toyokawa, Aberystwyth] as well as the original “kick-off” meeting in San Diego, and that they occur approximately some time every two years [2003, 2005, 2007, and 2009]. He asked is we should have another in 2011? Mario offered to provide any assistance and both Divya and Mario asked for suggestions of where it should be held. Mario mentioned perhaps UCSD or if Mano wanted to host it at Ooty. Consensus was reached that it will likely be held at MIT, Cambridge, MA, USA in the Spring of 2011 with Divya and MWA doing the main organising and Mario offering to help if needed.

Divya asked Mano to provide a year’s worth of Ooty data (since Divya is somewhat familiar with Ooty data) to test in the new IPS CIDE system assembled at MIT intended initially for MWA data when they become available. 2007 was agreed upon due to the previously suggested time periods of interest being biased to 2007.

Mario asked Danielle, Daniel, and Andy Buffington to report back to the group regarding their Friday morning discussion based on cross-calibrating the STEREO HIs to SMEI (and LASCO) and Mario would include the notes in the session write up [see later].

Divya and Mario commented that we need to “keep things going” with regards to the cross-collaborations. Divya wanted feedback for MWA activities in particular.

Elizabeth asked about the events we have chosen and events to be looked at. Mario will get an E-Mail out by the end of May 2009 most likely.

The WebPages will have all the updates and will continue to be maintained by Richard with Mario’s inputs where necessary.

Daniel asked about a wiki-type interface and perhaps a remote-sensing wiki where we could keep our interfaces going in our splinter community and may be better for looking at the said events and a place where people can input data/comments to so to possibly speed up

collaborations and the study of said events. Password protection would be necessary. Divya and John commented that it needs to be set up correctly if people were to use it and have a good use for and out of it. Not an overly difficult task though. The existing MWA wiki may be an option and could be hosted there with usernames and passwords to be obtained by E-Mailing Divya; but following post-session discussions, it will likely be set up and hosted at UCSD by John with John and Mario acting as the interface people to get things up and running as soon as possible following the workshop.

Workshop close followed with a reminder from Mario regarding the Solar Physics Proceedings papers and thanks both from the organisers and to the organisers...

Notes as provided by Daniel on behalf of himself, Danielle, and Andy Buffington following their 2.5-hour discussion on Friday 08 May 2009 09:00h-11:30h.

Cross-calibration of SMEI and STEREO/HIS:

The three of us met and discussed our respective programmes for establishing relationships between our measured data numbers (DN) and analogue to digital units (ADU), to each other and to a scale of catalogue magnitudes. We agreed that the next step is for Bewsher and Brown to provide a list of DNs for the HI-1s for the 17 stars used for the LASCO-SMEI cross calibration. Comparison between these should establish the relationship between HI DNs and SMEI ADUs. This should also provide a HI-LASCO cross-calibration. Further checks could be made comparing photometric imagery of the galactic centre or the Magellanic Clouds in the two instruments.

Additional discussion regarding conversion of HI data to S10s took place, Bewsher and Brown will establish the HI conversion, but comparison with SMEI will also be done.

Finally, the HI flatfield work was discussed, and some extra points to check were identified. Bewsher and Brown will complete this work, which will act as the HI starting point (as it includes photometric calibration of the HIs) for the cross-calibration effort. Concentration will focus on the HI-1s, with the HI-2s following when the HI-1 methodology is completed.