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Mauna Loa Solar Observatory Observer's Log  
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Wed Sep 4 16:46:22 GMT 2013

Year: 13 Doy: 247

Observer: berkey

WEATHER COMMENT: berkey: Wed Sep 4 16:46:25 GMT 2013

temp 47f, wind 5mph from SE, clear skies

\_\_\_\_end\_\_\_\_

Wed Sep 4 22:07:08 GMT 2013\*\*PSPT PROBLEM COMMENT BY berkey\*\* : Wed Sep 4 22:14:20 GMT 2013

Alice reports pspt hasn't been logging data since yesterday. Initial investigation turned up no smoking guns, attempting a reboot of the SUN workstation.

\_\_\_\_end\_\_\_\_

Wed Sep 04 22:29:28 GMT 2013 COMP Start Patrol

COMP COMMENT BY berkey: Wed Sep 4 22:31:57 GMT 2013

COMP back end was realigned today to take out some of the issues seen in last weeks data.

We believe the detector/camera moved w.r.t the optics box at some point during the Mk4 decommissioning and Kcor commissioning.

The camera was found to be rotated about 5-10 degrees to normal with the box. We loosened the retaining bolts and rotated the camera to be normal. This along with a field lens move brought the images to a much nicer place on the detector. At this point we believe all/most of the mis-alignment has been corrected.

We are now taking a data set for further review with the software pipeline.

\_\_\_\_end\_\_\_\_

COMP COMMENT BY berkey: Wed Sep 4 22:41:06 GMT 2013

Sky conditions aren't very good right now.

\_\_\_\_end\_\_\_\_

Wed Sep 04 23:14:04 GMT 2013 COMP End Patrol

Thu Sep 5 02:36:25 GMT 2013: PSPT Abort Patrol

Thu Sep 5 02:36:33 GMT 2013: PSPT Abort Patrol

KCOR COMMENT BY berkey: Thu Sep 5 03:59:55 GMT 2013

K-cor now "fully" installed on the spar. The only mechanical things remain are to install hepa ducting and fix cable routing.

Some changes to k-cor software today, lots of minor bug fixes and a couple of changes to how the GUI's look.

Dennis was able to focus both cameras, but tomorrow will do a little bit of a check on the T camera, it has a very minor optical issue.

Spar is well balanced

We fixed the afternoon oscillation of the SGS RA, Alred added larger springs to the mechanism to prevent the slipping we were seeing. Apparently the larger motor that was shipped out was too heavy for the springs and the problem manifested itself in the afternoon

\_\_\_\_end\_\_\_\_