
Mauna Loa Solar Observatory Observer's Log

Wed Oct 30 16:37:05 GMT 2013

Year: 13 Doy: 303

Observer: berkey

WEATHER COMMENT: berkey: Wed Oct 30 16:37:10 GMT 2013

temp 39f, wind 16mph from SE, patchy cirrus, lots of ice on the ground around the observatory.

____end____

WEATHER COMMENT: berkey: Wed Oct 30 16:55:44 GMT 2013

Some fog quickly blew in from the SE domes are closed and instruments are safe.

____end____

Wed Oct 30 20:22:43 GMT 2013: PSPT Start Patrol

KCOR COMMENT BY berkey: Wed Oct 30 20:47:36 GMT 2013

Kcor cameras were aligned taking data with the distortion target in the beam. Current there is a little hair on the target I will take a second set with the hair removed.

____end____

KCOR COMMENT BY berkey: Wed Oct 30 20:49:34 GMT 2013

oops not guiding

re-aligning the spar.

____end____

KCOR COMMENT BY berkey: Wed Oct 30 20:55:57 GMT 2013

Hair removed from the target and target reinstalled.

____end____

GENERAL OBSERVATORY COMMENT BY berkey: Wed Oct 30 20:58:59 GMT 2013

False positive on the safty lanyard. I got a call on my cell about trouble at teh Mauna Loa solar observatory. :(I wasn't hurt and no call went out to UCAR security.

____end____

KCOR COMMENT BY berkey: Wed Oct 30 21:02:40 GMT 2013

Installing kcor occulter r=1018.9"

____end____

Wed Oct 30 21:25:26 GMT 2013: PSPT Start Patrol

Wed Oct 30 21:39:19 GMT 2013: PSPT Abort Patrol

Wed Oct 30 21:39:23 GMT 2013: PSPT Abort Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Wed Oct 30 21:48:42 GMT 2013

Domes closed due to fog

____end____

Thu Oct 31 00:26:48 GMT 2013 COMP Start Patrol

WEATHER COMMENT: berkey: Thu Oct 31 00:28:59 GMT 2013

Sky clear of clouds, but brightness is still a bit high.

____end____

CoMP COMMENT BY berkey: Thu Oct 31 00:31:27 GMT 2013

This morning between other work on kcor I found that the comp camera was canted w.r.t its alignment ring, likely from hitting the ladder (or something similar last week). This is consistent with the slightly off round and poorly centered images we were seeing from comp from the last week or so.

This problem was addressed by loosening the ring and moving the camera until it was well seated to the ring. At this point the images looked round and fairly centered with the diffuser in. It wasn't until a few minutes ago that the skies cleared up enough that I could check the occulter alignment. The occulter was close but aligning it helped to get a better center

ring of the image on the detector.

During the process of loosening the ring, the camera rotated around the optical axis a bit (>10degrees). In re-aligning the camera I rotated it such that the mechanical structure of the camera appeared to be square with the mechanical structure around the optics box.

As far as I can tell CoMP now has a decent alignment, but we don't have good enough skies to get data on this today.

____end____

Thu Oct 31 00:41:44 GMT 2013 COMP End Patrol

Thu Oct 31 00:50:43 GMT 2013: PSPT Start Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Thu Oct 31 01:12:29 GMT 2013

Fog blowing up from the saddle

____end____

Thu Oct 31 01:27:48 GMT 2013: PSPT Abort Patrol

Thu Oct 31 01:27:51 GMT 2013: PSPT Abort Patrol

Thu Oct 31 01:27:55 GMT 2013: PSPT Abort Patrol

KCOR COMMENT BY berkey: Thu Oct 31 02:19:25 GMT 2013

I did a foreoptics inspection on K-cor this afternoon. The O1 is starting to collect a little bit of dust approximately similar levels to what CoMP collects. So the hepa seems to be doing a pretty good job.

It is almost time to do a cleaning on the Kcor and CoMP O1's both are starting to pick up a nice coating of the small dust particles that don't blow off. The K-cor O1 in particular has a bit of a water stain that looks like it got on the lens during the last cleaning.

On an interesting note there were two dead insects on the k-cor o1 lens cell neither were in the beam; but I couldn't find any other insects in the foreoptics area.

____end____