
Mauna Loa Solar Observatory Observer's Log

Wed Mar 18 17:29:41 GMT 2015

Year: 15 Doy: 077

Observer: berkey

WEATHER COMMENT: berkey: Wed Mar 18 17:29:43 GMT 2015

temp 45f, wind 5mph from south, clear skies above w/strong inversion keeping vog below 8,500ft.

____end____

KCOR COMMENT BY berkey: Wed Mar 18 17:30:21 GMT 2015

switched the kcor occulter to 1006.9 Changes made in the kcor header.

____end____

KCOR COMMENT BY berkey: Wed Mar 18 17:35:23 GMT 2015

w/smaller occulter kcor-to-sgs alignment has a bigger dec offset then we have seen in a while 60 vs the 45 from yesterday. As far as I can tell the occulter is well seated.

____end____

COMP COMMENT BY berkey: Wed Mar 18 17:36:53 GMT 2015

There is not enough RA range to align the comp occulter. Some where about 60000 counts on the stage the occulter apparently stopped moving on the alignment image. Re homing stage.

____end____

Wed Mar 18 17:50:01 GMT 2015 COMP Start Patrol

COMP COMMENT BY berkey: Wed Mar 18 17:48:00 GMT 2015

Looks like the problem was the comp occulter/light dump cone were not completely seated into the titanium post. This got the occulter cocked slightly to the east. After reseating the occulter/cone into the titanium post the alignment the alignment came nicely.

I didnt need to reset the actuator controller.

____end____

KCOR COMMENT BY berkey: Wed Mar 18 18:20:21 GMT 2015

Took a lot of time to get kcor to come up in the proper state this morning. Took almost 1/2 an hour of stop/restarting labview to get things happy.

____end____

Wed Mar 18 18:21:44 GMT 2015 KCOR Start Synoptic Patrol

Wed Mar 18 19:27:33 GMT 2015 KCOR End Patrol

Wed Mar 18 19:27:34 GMT 2015 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg.ini

Wed Mar 18 19:43:37 GMT 2015 KCOR End Calibration Script

Wed Mar 18 19:43:53 GMT 2015 KCOR Start Synoptic Patrol

Wed Mar 18 19:43:54 GMT 2015 KCOR Start Synoptic Patrol

Wed Mar 18 20:47:52 GMT 2015 COMP End Patrol

Wed Mar 18 20:47:54 GMT 2015 COMP Start Patrol

Wed Mar 18 21:17:49 GMT 2015 KCOR End Patrol

Wed Mar 18 21:18:02 GMT 2015 COMP End Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Wed Mar 18 21:27:09 GMT 2015

moved lower shutter down. Nash at NOAA was helping me load some crates for shipping so I didnt respond in time and we got some dome occulting on comp and shabar.

____end____

Wed Mar 18 22:19:00 GMT 2015 COMP Start Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Wed Mar 18 22:16:52 GMT 2015

With Kcor calpol and diffuser in the beam the spar around 11:30 today (what ever RA-DEC that is is), the spar was out of balance enough that the DEC clutch slipped and the telescopes pointed north until the spar hit the pier. I am not really sure what changed that we had the problem today instead of last week/last month etc. Nothing we did in the RA drive work or Kcor work should have changed the DEC balance. To fix this I tightened the DEC clutch slightly (it is very sensitive) until the spar stopped fallign to the north with the foreoptics in the beam. Note that clutch is super sensitive initially I did a 1/16 of a turn and was unable to move the spar in DEC. I was then able to loosen it slightly and I can repoint it and things dont seem to move under gravity. In observing mode ("fore optics out of the beam) the balance should be much better.

____end____

Wed Mar 18 22:24:21 GMT 2015 KCOR Start Synoptic Patrol

KCOR COMMENT BY berkey: Wed Mar 18 22:22:37 GMT 2015

Changed the way Kcor fits headers learn about their TCAMID's Instead of being hard coded, we now parse c:\kcor\kcoconfig.ini for the 2 and 6 lines to pull out the camera serial number. This used to be hard coded information. TODO later we should think about

pulling the [T|R]CAMLUTs out of the kcoconfig. And then consider pulling other things like CALPOLID, DIFFSRID, O1ID, OCCLTRID, FILTERID, OBSSWID, MODLTRID (and anything I am for getting) in c:\kcor\hwconfig.ini or something similar.

____end____

Thu Mar 19 00:21:56 GMT 2015 KCOR End Patrol

Thu Mar 19 00:22:22 GMT 2015 COMP End Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Thu Mar 19 00:32:54 GMT 2015

Sky brightness and particle count has been pretty high since noon.

____end____

GENERAL OBSERVATORY COMMENT BY berkey: Thu Mar 19 00:33:32 GMT 2015

Headed to fedex to send some big boxes back to Greg.

____end____