
Mauna Loa Solar Observatory Observer's Log

Wed Jun 20 16:31:17 GMT 2018

Year: 18 Doy: 171

Observer: berkey

WEATHER COMMENT: berkey: Wed Jun 20 16:33:09 GMT 2018

Temp: 48.3f, Humidity: 68%, Pressure: 28.604in, Wind: 13mph from 128degs, Skies: clear

____end____

KCOR COMMENT BY berkey: Wed Jun 20 17:05:07 GMT 2018

Kcor Calpol manually moved an extra 14mm past the out of beam soft limit. The goal of this test is to see if the fringes we see in the processed data are related to some solar disk light reflecting off the side of the plate and making it all the way down into the cameras.

____end____

GENERAL COMMENT BY berkey: Thu Jun 20 17:06:03 GMT 2018

PM Blew off Kcor O1

____end____

Wed Jun 20 17:08:44 GMT 2018 Kcor Focus/alignment program exited

Wed Jun 20 17:21:40 GMT 2018 KCOR Start Synoptic Patrol

GENERAL COMMENT BY berkey: Wed Jun 20 18:59:23 GMT 2018

Swapped out the USB cable for the shabar. We are now using the icon usb 2.0 extender (over cat 5 etherent) .

____end____

KCOR COMMENT BY berkey: Wed Jun 20 19:00:30 GMT 2018

Yesterday the kcor calibrations had some problems.

We are going to take a series of calibration sequences first with the new Mc4u code, then no mc4u code running finally a 3rd set with the old mc4u code.

____end____

Wed Jun 20 19:00:39 GMT 2018 KCOR End Patrol

Wed Jun 20 19:00:42 GMT 2018 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Wed Jun 20 19:16:25 GMT 2018 KCOR End Calibration Script

Wed Jun 20 19:16:42 GMT 2018 KCOR Start Synoptic Patrol

Wed Jun 20 19:16:43 GMT 2018 KCOR Start Synoptic Patrol

Wed Jun 20 19:17:04 GMT 2018 KCOR End Patrol

Wed Jun 20 19:17:05 GMT 2018 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

KCOR COMMENT BY berkey: Wed Jun 20 19:17:16 GMT 2018

Calibration with no mc4u gui

____end____

Wed Jun 20 19:32:28 GMT 2018 KCOR End Calibration Script

Wed Jun 20 19:32:45 GMT 2018 KCOR Start Synoptic Patrol

Wed Jun 20 19:32:47 GMT 2018 KCOR Start Synoptic Patrol

KCOR COMMENT BY berkey: Wed Jun 20 19:33:05 GMT 2018

Calibration now with the old mc4u code

____end____

Wed Jun 20 19:33:14 GMT 2018 KCOR End Patrol

Wed Jun 20 19:33:16 GMT 2018 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

KCOR COMMENT BY berkey: Wed Jun 20 19:34:15 GMT 2018

As of the end of the 19:00-19:16 calibration the calpol was returned back to its nonimal position; which might have some d

isk light reflection.

____end____

Wed Jun 20 19:48:39 GMT 2018 KCOR End Calibration Script

Wed Jun 20 19:48:56 GMT 2018 KCOR Start Synoptic Patrol

Wed Jun 20 19:48:57 GMT 2018 KCOR Start Synoptic Patrol

Wed Jun 20 20:07:42 GMT 2018 KCOR Start Calibration script: C:\kcor\polarizer-calibration.ini

GENERAL COMMENT BY berkey: Wed Jun 20 21:58:22 GMT 2018

Aerosols increasing.

____end____

KCOR COMMENT BY berkey: Wed Jun 20 22:00:36 GMT 2018

Found a bug in the logic I was using to keep track of the kcor calol postion. Updates were happening at a funny rate which caused some of the calpol angles to be wrong in the calibrations. I think I have a solution to the angle problem; but

I am waiting until observing is over to test this.

____end____

Wed Jun 20 22:34:59 GMT 2018 KCOR End Patrol

Wed Jun 20 23:55:57 GMT 2018 KCOR Start Synoptic Patrol

Thu Jun 21 02:25:02 GMT 2018 KCOR End Patrol

Thu Jun 21 02:25:12 GMT 2018 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

KCOR COMMENT BY berkey: Thu Jun 21 02:25:44 GMT 2018

Taking one more set of calibrations duing shutdown to check the mc4u controller bug fix.

____end____

Thu Jun 21 02:40:49 GMT 2018 KCOR End Calibration Script

GENERAL COMMENT BY berkey: Thu Jun 21 02:47:28 GMT 2018

Looks like the bug fix corrected the fits head calpol values during the calibrations. Should be ok to keep testing the new mc4u gui.

____end____