
Mauna Loa Solar Observatory Observer's Log

Fri Jun 15 16:37:40 GMT 2018

Year: 18 Doy: 166

Observer: berkey

WEATHER COMMENT: berkey: Fri Jun 15 16:39:20 GMT 2018

Temp: 44.6f, Humidity: 14%, Pressure: 28.677in, Wind: 4mph from 199degs, Skies: clear

____end____

GENERAL COMMENT BY berkey: Fri Jun 15 16:54:42 GMT 2018

PM Blew off Kcor 01

____end____

Fri Jun 15 16:57:35 GMT 2018 SGS Alignment complete

Fri Jun 15 16:57:56 GMT 2018 Kcor Focus/alignment program exited

KCOR COMMENT BY berkey: Fri Jun 15 17:04:21 GMT 2018

Kcor raw images have a weird texture to them. I assume this is a faint cirrus signal; but it seems very odd pattern is fairly static and I have never seen cirrus give us a weak signal while still noticing structure in the images.

____end____

Fri Jun 15 17:15:55 GMT 2018 KCOR Start Synoptic Patrol

KCOR COMMENT BY berkey: Fri Jun 15 17:23:14 GMT 2018

Looks like it was cirrus; since it slowed cleared up.

____end____

Fri Jun 15 17:32:35 GMT 2018 KCOR End Patrol

KCOR COMMENT BY berkey: Sat Jun 16 01:20:32 GMT 2018

Changed out the kcor lyot stop for 35mm stop (30mm removed).

Exposure time set to 2.5ms.

There is some concern that the 30mm stop may be inducing the sharp lines that appear to be radiating out of the East limb in the kcor image. Inspection of the inner ring of the stop under the loop shows many small defects (these were not diamond turned) with the largest about 20 degrees south of due west when looking down from the sun. The big defect just at the edge of what I can see by eye and I am unable to measure its size.

____end____

GENERAL COMMENT BY berkey: Sat Jun 16 01:43:49 GMT 2018

Shabar moved back up on the spar. It was plugged in and tested with the dome closed; so hopefully this means it will be trouble free on sky.

With the instrument back in the building the shabar code will be run on the logging/shabar laptop again. So there is no longer a need to make a remote connect to the other laptop (which is now off). Just run the shabar.exe on the desktop.

Shabar data should just copy over from this computer; but we should check kodiak next week to be sure.

____end____

GENERAL COMMENT BY berkey: Sat Jun 16 01:46:33 GMT 2018

Dome rotation sensor was moved back up on to shabar. An attempt was made to get a good alignment of the sensor but without sunlight the system remains untested.

Some care was taken to make sure that the shabar and dome sensor cables were outside the field of view of the guider; but as this was not checked on sky we should watch the DIM mean over the next couple days to make sure that it stays high (when

n guiding on clear skies) And double check the cables if it falls below 7 or V.
____end____

ONSITE STAFF: berkey