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Mauna Loa Solar Observatory Observer's Log  
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Fri Jul 12 16:38:52 GMT 2019

Year: 19 Doy: 193

Observer: berkey

WEATHER COMMENT: berkey: Fri Jul 12 16:39:12 GMT 2019

Temp: 44.2f, Humidity: 32%, Pressure: 28.706in, Wind: 8mph from 157degs, Skies: Light cirrus in the east

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

Fri Jul 12 17:49:08 GMT 2019 SGS Alignment complete

Fri Jul 12 17:49:07 GMT 2019 Kcor Focus/alignment program exited

GENERAL COMMENT BY berkey: Fri Jul 12 17:49:15 GMT 2019

Cirrus looks to be starting to break. Not super coronal but better.

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

GENERAL COMMENT BY berkey: Fri Jul 12 17:50:18 GMT 2019

PM Blew off Kcor O1 and windows opened

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

GENERAL COMMENT BY berkey: Fri Jul 12 17:51:12 GMT 2019

Kcor started up in the right polarization state. Also it appears that SGS and kcor are talking.

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

Fri Jul 12 17:54:33 GMT 2019 SGS Alignment complete

Fri Jul 12 18:31:09 GMT 2019 KCOR Start Synoptic Patrol

Fri Jul 12 22:53:02 GMT 2019 KCOR End Patrol

Fri Jul 12 22:53:03 GMT 2019 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

GENERAL COMMENT BY berkey: Fri Jul 12 22:53:26 GMT 2019

Forgot to calibrate kcor this morning.

Taking a high aerosol calibration set.

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

Fri Jul 12 23:08:22 GMT 2019 KCOR End Calibration Script

Fri Jul 12 23:08:39 GMT 2019 KCOR Start Synoptic Patrol

Fri Jul 12 23:08:40 GMT 2019 KCOR Start Synoptic Patrol

Fri Jul 12 23:35:15 GMT 2019 KCOR End Patrol

Fri Jul 12 23:48:52 GMT 2019 SGS Alignment complete

Fri Jul 12 23:49:21 GMT 2019 Kcor Focus/alignment program exited

KCOR COMMENT BY berkey: Fri Jul 12 23:51:02 GMT 2019

Spare O1 in kcor testing out first contact cleaning method.

By eye things looked pretty good near the center of the array, but there was artifacts seen near the outer edge of the lens related to a incomplete peel of the product off the lens.

In this test we are just hoping to see a reduction/elimination of the big bullet holes in near the occulter.

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

Sat Jul 13 00:09:41 GMT 2019 SGS Alignment complete

GENERAL COMMENT BY berkey: Sat Jul 13 00:10:15 GMT 2019

Saw a very minor improvemnet over the first contact lens condition on Wednesday morning. The occulter sized artifact on the NE limb appears to be gone. But the multiple spots on the SE limb remain unchained.

Not sure what this means.

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

Sat Jul 13 00:10:28 GMT 2019 Kcor Focus/alignment program exited

Sat Jul 13 00:11:49 GMT 2019 KCOR Start Synoptic Patrol

**\*\*CoMP PROBLEM COMMENT BY berkey\*\*** : Sat Jul 13 00:15:19 GMT 2019

Primary O1 was reinstalled in the telescpe at ~00:05ut.

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

Sat Jul 13 03:34:59 GMT 2019 KCOR End Patrol

ONSITE STAFF: berkey