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Mauna Loa Solar Observatory Observer's Log  
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Mon Aug 17 15:34:14 GMT 2020

Year: 20 Doy: 230

Observer: lisapg

WEATHER COMMENT: lisapg: Mon Aug 17 16:14:34 GMT 2020

Temp: 45.7f with windspeed at about 3-9mph from the South-Southwest. A band of cirrus to the North but otherwise the sky looks clear.

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

GENERAL COMMENT BY lisapg: Mon Aug 17 16:24:45 GMT 2020

Opened windows upstairs

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

GENERAL COMMENT BY lisapg: Mon Aug 17 16:24:48 GMT 2020

PM Blew off Kcor O1

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

GENERAL COMMENT BY lisapg: Mon Aug 17 17:05:14 GMT 2020

Kcor over dome

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

Mon Aug 17 17:07:25 GMT 2020 Kcor Focus/alignment program exited

Mon Aug 17 17:09:29 GMT 2020 KCOR Start Synoptic Patrol

Mon Aug 17 17:24:32 GMT 2020 KCOR End Patrol

Mon Aug 17 17:24:35 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY lisapg: Mon Aug 17 17:26:02 GMT 2020

Kcor NRGF images look odd, seeing large dark spots in the East and West limbs. Marc is inspecting the O1.

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

Mon Aug 17 17:30:05 GMT 2020 KCOR Start Synoptic Patrol

Mon Aug 17 17:33:29 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY lisapg: Mon Aug 17 17:35:09 GMT 2020

Blowing off the lens didn't help, however Marc noted there was a lot of dust and aerosols floating in front of the O1 and that the lens needs to be cleaned again.

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

Mon Aug 17 17:36:48 GMT 2020 KCOR Start Synoptic Patrol

GENERAL COMMENT BY lisapg: Mon Aug 17 17:38:00 GMT 2020

Restarting Kcor synoptic Acquisition GUI to double check that the polarization state started correctly. Started up correct, same at start up.

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

GENERAL COMMENT BY lisapg: Mon Aug 17 17:52:57 GMT 2020

Going to take a look at the field lens to see if there is anything on it to be causing the spots.

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

Mon Aug 17 17:53:04 GMT 2020 KCOR End Patrol

Mon Aug 17 17:53:12 GMT 2020 KCOR End Patrol

Mon Aug 17 17:56:48 GMT 2020 KCOR Start Synoptic Patrol

GENERAL COMMENT BY lisapg: Mon Aug 17 18:01:31 GMT 2020

Didn't see anything out of the ordinary on the field lens.

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

GENERAL COMMENT BY lisapg: Mon Aug 17 18:10:20 GMT 2020

Raw data looks okay, just the NRGFs' seems to look bad.

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

Mon Aug 17 19:20:27 GMT 2020 KCOR End Patrol

Mon Aug 17 19:20:28 GMT 2020 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon Aug 17 19:35:42 GMT 2020 KCOR End Calibration Script

Mon Aug 17 19:35:58 GMT 2020 KCOR Start Synoptic Patrol

Mon Aug 17 19:35:58 GMT 2020 KCOR Start Synoptic Patrol

GENERAL COMMENT BY lisapg: Mon Aug 17 19:48:16 GMT 2020

Calibration finished and the NRGFs look good now!

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

GPS COMMENT by MLSO: Mon Aug 17 21:45:09 GMT 2020

Successfully logged in to system

Good disk mount

GPS software running

Last 5 GPS data files are:

/mnt/usb/dataoutiq\_2020\_225\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_226\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_227\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_228\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_229\_2145.bin 2147483647

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

Tue Aug 18 02:23:02 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY lisapg: Tue Aug 18 02:29:55 GMT 2020

Not too bad a day to take data; wind was low, so aerosols were a bit high as the day progressed and the sky was a little bright in the afternoon. Still, a nice day for data.

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

ONSITE STAFF: lisapg, mcotter