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Mauna Loa Solar Observatory Observer's Log  
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Thu Nov 19 17:13:52 GMT 2020

Year: 20 Doy: 324

Observer: berkey

WEATHER COMMENT: berkey: Thu Nov 19 17:14:08 GMT 2020

Temp: 44.1f, Humidity: 21%, Pressure: 28.73in, Wind: 4mph from 162degs, Skies: clear

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

GENERAL COMMENT BY berkey: Thu Nov 19 17:18:38 GMT 2020

PM Blew off Kcor O1

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

GENERAL COMMENT BY berkey: Thu Nov 19 17:18:42 GMT 2020

Opened windows upstairs

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

Thu Nov 19 17:39:57 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY berkey: Thu Nov 19 18:50:53 GMT 2020

PM Washed Kcor O1

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

Thu Nov 19 18:52:37 GMT 2020 SGS Alignment complete

GENERAL COMMENT BY berkey: Thu Nov 19 19:04:17 GMT 2020

Kcor data still looks bad even after cleaning.

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

KCOR COMMENT BY berkey: Thu Nov 19 19:23:25 GMT 2020

Inspected aft-end of any obvious optical issues. Nothing out of the ordinary was found.

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

Thu Nov 19 19:38:27 GMT 2020 SGS Alignment complete

GENERAL COMMENT BY berkey: Thu Nov 19 20:07:35 GMT 2020

Power is out.

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

GENERAL COMMENT BY berkey: Thu Nov 19 20:37:35 GMT 2020

Power outage lasted about 20 minutes all systems remained operational.

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

GPS COMMENT by MLSO: Thu Nov 19 21:45:11 GMT 2020

Successfully logged in to system

Unable to mount disk

GPS software failure to start

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

GENERAL COMMENT BY berkey: Fri Nov 20 00:02:07 GMT 2020

Lubed the RA worm and cleaned the spar RA drive rollers

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

KCOR COMMENT BY berkey: Fri Nov 20 00:18:35 GMT 2020

Kcor O1 cleaned front and back with first contact.

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

GENERAL COMMENT BY berkey: Fri Nov 20 00:26:29 GMT 2020

Heavy aerosols in the sky.

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

GENERAL COMMENT BY berkey: Fri Nov 20 00:27:24 GMT 2020

Kcor images are too noisy to pass the L2 filtering so it is hard to tell the exact image quality but things look a lot better after that last cleaning.

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

GENERAL COMMENT BY berkey: Fri Nov 20 00:27:25 GMT 2020

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

Fri Nov 20 00:41:10 GMT 2020 SGS Alignment complete

GPS COMMENT by MLSO: Fri Nov 20 01:04:24 GMT 2020

Successfully logged in to system

Good disk mount

GPS software running

Last 5 GPS data files are:

/mnt/usb/dataoutiq\_2020\_321\_1713.bin 2147483647

/mnt/usb/dataoutiq\_2020\_322\_1713.bin 362471360

/mnt/usb/dataoutiq\_2020\_323\_1713.bin 43280

/mnt/usb/dataoutiq\_2020\_324\_1713.bin 0

/mnt/usb/dataoutiq\_2020\_324\_2146.bin 493511560

Disk usage: /dev/sda1 916.9G 236.5G 633.8G 27% /mnt/usb

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

Fri Nov 20 02:02:36 GMT 2020 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Fri Nov 20 02:17:47 GMT 2020 KCOR End Calibration Script

GENERAL COMMENT BY berkey: Fri Nov 20 02:47:29 GMT 2020

PM Blew off Kcor Field Lens

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

ONSITE STAFF: berkey