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Mauna Loa Solar Observatory Observer's Log  
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Mon Feb 24 17:28:10 GMT 2020

Year: 20 Doy: 055

Observer: berkey

WEATHER COMMENT: berkey: Mon Feb 24 17:29:01 GMT 2020

Temp: 33.5f, Humidity: 9%, Pressure: 28.841in, Wind: 6mph from 170degs, Skies: clear

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

Mon Feb 24 17:48:23 GMT 2020 SGS Alignment complete

Mon Feb 24 17:48:24 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY berkey: Mon Feb 24 17:51:19 GMT 2020

PM Blew off Kcor 01 and opened windows upstairs

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

Mon Feb 24 18:45:04 GMT 2020 KCOR Start Synoptic Patrol

Mon Feb 24 19:27:44 GMT 2020 KCOR End Patrol

Mon Feb 24 19:27:45 GMT 2020 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon Feb 24 19:43:00 GMT 2020 KCOR End Calibration Script

Mon Feb 24 19:43:16 GMT 2020 KCOR Start Synoptic Patrol

Mon Feb 24 19:43:17 GMT 2020 KCOR Start Synoptic Patrol

Mon Feb 24 20:57:49 GMT 2020 KCOR End Patrol

Mon Feb 24 21:03:16 GMT 2020 SGS Alignment complete

Mon Feb 24 21:03:17 GMT 2020 Kcor Focus/alignment program exited

GPS COMMENT by MLSO: Mon Feb 24 21:45:07 GMT 2020

Successfully logged in to system

Good disk mount

GPS software running

Last 5 GPS data files are:

dataoutiq\_2020\_050\_2145.bin 2147483647

dataoutiq\_2020\_051\_2145.bin 2147483647

dataoutiq\_2020\_052\_2145.bin 2147483647

dataoutiq\_2020\_053\_2145.bin 2147483647

dataoutiq\_2020\_054\_2145.bin 2147483647

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

Mon Feb 24 21:46:54 GMT 2020 KCOR Start Synoptic Patrol

GENERAL COMMENT BY berkey: Mon Feb 24 23:11:37 GMT 2020

Going to test out the guider comptuer.

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

Mon Feb 24 23:11:55 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY berkey: Tue Feb 25 02:36:39 GMT 2020

SGS computer swap complete.

We still have some outstanding minor bugs in the software to address, but the system is operational. In the short term everytime we start the SGS.exe we will need to go into the engineering tab to make sure the new "Invert RA Polarity" button is checked. Right now the default for this button is to be off; and we will need to build a new executable to make it a default.

While doing the swap; we ran into an initial problem where the amplifiers wouldn't turn on. Initially I thought there was an issue with the SDP 20-24-100C since it had no output. After swapping it out with a spare it was realized that the problem was related to power input into the SDP. Further digging shows, the code expected to talk to the SSR that turns on and off the SDP over COM5; but windows assigned the SSR COM4. Changing the com pots around allows us to power up the amplifiers; and start guiding.

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

Tue Feb 25 03:06:00 GMT 2020 Kcor Focus/alignment program exited

Tue Feb 25 03:06:08 GMT 2020 Kcor Focus/alignment program exited

ONSITE STAFF: berkey