
Mauna Loa Solar Observatory Observer's Log

Fri Jan 24 17:40:44 GMT 2020

Year: 20 Doy: 024

Observer: berkey

WEATHER COMMENT: berkey: Fri Jan 24 17:41:09 GMT 2020

Temp: 41.1f, Humidity: 13%, Pressure: 28.776in, Wind: 8mph from 178deg, Skies: thin cirrus toward the east

____end____

Fri Jan 24 18:14:09 GMT 2020 SGS Alignment complete

Fri Jan 24 18:14:12 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY berkey: Fri Jan 24 18:16:59 GMT 2020

Rebooting moonfish after it was apparently locked up and crashed.

____end____

Fri Jan 24 18:32:11 GMT 2020 KCOR Start Synoptic Patrol

Fri Jan 24 19:57:34 GMT 2020 KCOR End Patrol

Fri Jan 24 20:01:18 GMT 2020 SGS Alignment complete

Fri Jan 24 20:01:25 GMT 2020 Kcor Focus/alignment program exited

Fri Jan 24 20:02:07 GMT 2020 KCOR Start Synoptic Patrol

GPS by MLSO: Fri Jan 24 21:45:06 GMT 2020

Successfully logged in to system

Good disk mount

GPS software running

Last 5 GPS data files are:

dataoutiq_2020_020_0009.bin 2147483647

dataoutiq_2020_021_0009.bin 2147483647

dataoutiq_2020_022_0009.bin 2147483647

dataoutiq_2020_023_0009.bin 2147483647

dataoutiq_2020_024_0009.bin 2147483647

____end____

Fri Jan 24 21:50:56 GMT 2020 KCOR Start Synoptic Patrol

GENERAL COMMENT BY berkey: Fri Jan 24 21:54:56 GMT 2020

Kcor operations paused briefly for a guider inspection.

An issue was found with the worm mesh springs; where it appeared we were at the edge of their working range so they were not providing the full spring force to hold the worm onto the sprocket gear. The 2 clevis pins that hold the springs were removed and 8 #6 washers were installed on the pins bringing us more into the center of the springs working range.

____end____

Fri Jan 24 22:50:34 GMT 2020 KCOR End Patrol

KCOR COMMENT BY berkey: Sat Jan 25 01:05:22 GMT 2020

Did a kcor inspection with Alfred. It was found that the modulator optics could move sun and anti-sunward in its mount. During this work it is likely the modulator rotated up to 1 degree in its mount. Data taken after 23UT today should not rely on past calibrations due to this motion.

Alfred will investigate how to prevent this motion on the Boulder spar modulator in the coming weeks.

____end____

Sat Jan 25 02:03:38 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY berkey: Sat Jan 25 02:19:26 GMT 2020

After the afternoon clouds came in the sky brightened up to the point we couldn't get any afternoon data.

____end____

ONSITE STAFF: berkey, Alfred