
Mauna Loa Solar Observatory Observer's Log

Sat Jun 27 16:31:32 GMT 2020

Year: 20 Doy: 179

Observer: stueben

WEATHER COMMENT: mcotter: Sat Jun 27 16:35:18 GMT 2020

Temp: 44.8f, Humidity: 6%, Pressure: 28.735in, Wind: Southeast 5-10 mph, Skies: Clear.

____end____

Sat Jun 27 17:16:07 GMT 2020 Kcor Focus/alignment program exited

Sat Jun 27 17:26:14 GMT 2020 KCOR Start Synoptic Patrol

GENERAL COMMENT BY mcotter: Sat Jun 27 18:09:48 GMT 2020

PM Blew off Kcor 01 Front and Open the windows in the dome.

____end____

Sat Jun 27 18:28:08 GMT 2020 KCOR End Patrol

Sat Jun 27 18:28:09 GMT 2020 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Sat Jun 27 18:43:23 GMT 2020 KCOR End Calibration Script

Sat Jun 27 18:43:40 GMT 2020 KCOR Start Synoptic Patrol

Sat Jun 27 18:43:40 GMT 2020 KCOR Start Synoptic Patrol

GENERAL PROBLEM COMMENT BY mcotter : Sat Jun 27 20:18:57 GMT 2020

About 1930 the sgs dec axis started to oscillate. Upon investigating the RA and DEC gains were found to be the old values.

Changed gains to new values and the oscillation stopped. There are a few bad images due to the oscillation.

____end____

GPS COMMENT by MLSO: Sat Jun 27 21:45:08 GMT 2020

Successfully logged in to system

Good disk mount

GPS software running

Last 5 GPS data files are:

/mnt/usb/dataoutiq_2020_174_2145.bin 2147483647

/mnt/usb/dataoutiq_2020_175_2145.bin 2147483647

/mnt/usb/dataoutiq_2020_176_2145.bin 1420685752

/mnt/usb/dataoutiq_2020_177_2149.bin 2147483647

/mnt/usb/dataoutiq_2020_178_2149.bin 2147483647

____end____

Sat Jun 27 22:45:23 GMT 2020 KCOR End Patrol

Sat Jun 27 22:45:25 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY mcotter: Sat Jun 27 23:02:15 GMT 2020

Noticed there was a large bullet hole and blew off the 01.

____end____

Sat Jun 27 23:23:52 GMT 2020 Kcor Focus/alignment program exited

Sat Jun 27 23:45:46 GMT 2020 Kcor Focus/alignment program exited

Sat Jun 27 23:48:06 GMT 2020 KCOR Start Synoptic Patrol

GENERAL COMMENT BY mcotter: Sat Jun 27 23:53:11 GMT 2020

Stray light was observed in K-cor images. Lens and filter were inspected and blown off. Stray light was still present. Inspection of the instrument showed that a socket head cap screw was missing from the camera compartment cover. Used tape to cover hole and stray light leak was eliminated.

____end____

Sun Jun 28 02:23:38 GMT 2020 KCOR End Patrol

Sun Jun 28 02:23:39 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY mcotter: Sun Jun 28 02:41:04 GMT 2020

When closing lower shutter dome door noise could be heard coming from drive mechanism. Suggest checking alignment and of gears, cleaning and applying new coat of lithium grease.

____end____

GENERAL COMMENT BY mcotter: Sun Jun 28 02:44:56 GMT 2020

Nice day, clear all day. Fair seeing and low aerosols at start up. Observing conditions deteriorated some in the afternoon, but brisk winds kept observing conditions reasonable.

____end____

ONSITE STAFF: mcotter, stueben