
Mauna Loa Solar Observatory Observer's Log

Thu Apr 16 15:38:32 GMT 2020

Year: 20 Doy: 107

Observer: waters

WEATHER COMMENT: waters: Thu Apr 16 16:18:03 GMT 2020

Temp: 38.3f with windspeed at about 16-21mph from the South-Southeast. Sky looks clear.

____end____

GENERAL COMMENT BY waters: Thu Apr 16 17:05:05 GMT 2020

PM Blew off Kcor O1

____end____

GENERAL COMMENT BY waters: Thu Apr 16 17:05:17 GMT 2020

Windows opened upstairs

____end____

Thu Apr 16 17:11:17 GMT 2020 KCOR Start Synoptic Patrol

GENERAL COMMENT BY waters: Thu Apr 16 17:37:07 GMT 2020

The two streams have popped up. Three bullet holes can be seen in both but the locations are different when looking at the two. The NRGF has them from the Southwest to the Southeast while the normal stream has it from the South to the West. There are also two artifacts in the the west and Southwest. Going to see if I can go up and address them.

____end____

Thu Apr 16 17:37:28 GMT 2020 KCOR End Patrol

Thu Apr 16 17:37:28 GMT 2020 KCOR End Patrol

Thu Apr 16 17:45:27 GMT 2020 KCOR Start Synoptic Patrol

GENERAL COMMENT BY waters: Thu Apr 16 17:50:59 GMT 2020

I could see two artifacts on the front side of the O1 that are very stuck on the lens. However, I think some of the bullet holes are on the back side of the O1. Blowing off the front did not remove the bullet holes and I do not feel comfortable yet with handling the O1 alone to blow off the backside. However, the artifacts that were in the Southwest and West left the lens before I started blowing off the O1.

____end____

Thu Apr 16 20:26:19 GMT 2020 KCOR End Patrol

Thu Apr 16 20:26:22 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY waters: Thu Apr 16 20:31:23 GMT 2020

Dec was acting up, it started increasing it's arcsec error in the positive direction over the one minute interval and just kept going. There wasn't any gusts of wind that I could tell and nothing impeding the spar but putting the lens in Kcor and switching from open loop to close loop seemed to fix the trend. Will keep an eye on it.

____end____

GPS COMMENT by MLSO: Thu Apr 16 21:45:06 GMT 2020

Successfully logged in to system

Good disk mount

GPS software running

Last 5 GPS data files are:

/mnt/usb/dataoutiq_2020_102_2146.bin 2147483647

/mnt/usb/dataoutiq_2020_103_2146.bin 2147483647

/mnt/usb/dataoutiq_2020_104_2146.bin 2147483647

/mnt/usb/dataoutiq_2020_105_2146.bin 2147483647

/mnt/usb/dataoutiq_2020_106_2146.bin 2147483647

____end____

GENERAL COMMENT BY waters: Thu Apr 16 21:45:01 GMT 2020

Dec error went rogue again. Think the spar might need to have a weight shift.

____end____

GENERAL COMMENT BY waters: Thu Apr 16 22:54:58 GMT 2020

Rotated the dome manually

____end____

GENERAL COMMENT BY waters: Thu Apr 16 23:29:58 GMT 2020

Fog coming in fast from the West, Kcor stopped and dome closed.

____end____

Fri Apr 17 00:11:25 GMT 2020 Kcor Focus/alignment program exited

Fri Apr 17 00:13:43 GMT 2020 KCOR Start Synoptic Patrol

Fri Apr 17 01:23:22 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY waters: Fri Apr 17 01:28:58 GMT 2020

Besides a brief pause for fog, a good amount of data was obtained. Aerosols came in a bit heavy around 945 am HST.

____end____

ONSITE STAFF: waters