
Mauna Loa Solar Observatory Observer's Log

Tue Nov 10 17:09:09 GMT 2020

Year: 20 Doy: 315

Observer: mlso

GENERAL COMMENT BY mcotter: Tue Nov 10 17:09:25 GMT 2020

Temp: 42.2f, Humidity: 95%, Pressure: 28.701in, Wind: 9mph from 132degs, Skies: Cloudy with rain. Heavy rain on saddle road with localized flooding. Maunaloa access road wet with fog and drizzle all the way up to the observatory.

____end____

GENERAL COMMENT BY mcotter: Tue Nov 10 17:10:37 GMT 2020

I am not opening dome yet, as the conditions are poor with precipitation.

____end____

Tue Nov 10 21:55:02 GMT 2020 Kcor Focus/alignment program exited

Tue Nov 10 21:57:43 GMT 2020 KCOR Start Synoptic Patrol

Tue Nov 10 22:02:25 GMT 2020 KCOR End Patrol

Tue Nov 10 22:02:34 GMT 2020 KCOR End Patrol

Tue Nov 10 22:08:18 GMT 2020 Kcor Focus/alignment program exited

Tue Nov 10 22:31:54 GMT 2020 Kcor Focus/alignment program exited

Log Type BY Observer: Tue Nov 10 22:52:26 GMT 2020

Kodiak was rebooted about 15 minutes ago.

____end____

KCOR COMMENT BY Observer: Tue Nov 10 22:55:17 GMT 2020

Looks of apparent coronal motion due to bad initial SGS alignments.

____end____

Tue Nov 10 22:55:40 GMT 2020 KCOR Start Synoptic Patrol

GENERAL COMMENT BY Observer: Tue Nov 10 22:58:23 GMT 2020

After windows updates shabar cannot connect to local network via ethernet connection. Wifi works fine, so we have switch over for operations.

____end____

Tue Nov 10 23:59:28 GMT 2020 KCOR End Patrol

Tue Nov 10 23:59:40 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY Observer: Wed Nov 11 00:17:21 GMT 2020

Spend part of the morning working with Travis to better understand how we should configure the UPS's for future power outages. Looks like we have found a good path forward.

____end____

Wed Nov 11 00:35:42 GMT 2020 Kcor Focus/alignment program exited

Wed Nov 11 00:36:18 GMT 2020 KCOR Start Synoptic Patrol

Wed Nov 11 00:43:48 GMT 2020 KCOR End Patrol

Wed Nov 11 00:50:45 GMT 2020 KCOR Start Synoptic Patrol

KCOR COMMENT BY Observer: Wed Nov 11 01:02:17 GMT 2020

Bad kcor fringing in the SW. The automated CME finder detected something from this region which I think was just the fringe patterns moving, but may have been something corona, it is hard to tell.

____end____

Wed Nov 11 01:13:49 GMT 2020 KCOR End Patrol

Wed Nov 11 01:29:48 GMT 2020 KCOR Start Synoptic Patrol

Wed Nov 11 01:37:51 GMT 2020 KCOR End Patrol

Wed Nov 11 01:39:15 GMT 2020 SGS Alignment complete

Wed Nov 11 01:39:16 GMT 2020 Kcor Focus/alignment program exited
Wed Nov 11 01:39:33 GMT 2020 KCOR End Patrol
Wed Nov 11 01:39:33 GMT 2020 KCOR Start Synoptic Patrol
Wed Nov 11 01:39:33 GMT 2020 KCOR End Patrol
Wed Nov 11 01:39:34 GMT 2020 KCOR Start Synoptic Patrol
Wed Nov 11 01:39:48 GMT 2020 KCOR End Patrol
Wed Nov 11 01:49:07 GMT 2020 KCOR Start Synoptic Patrol
GPS COMMENT by MLSO: Wed Nov 11 02:15:18 GMT 2020

Successfully logged in to system

Good disk mount

GPS software running

Last 5 GPS data files are:

/mnt/usb/dataoutiq_2020_310_2146.bin 2147483647

/mnt/usb/dataoutiq_2020_312_1713.bin 2147483647

/mnt/usb/dataoutiq_2020_313_1713.bin 2147483647

/mnt/usb/dataoutiq_2020_314_1713.bin 2147483647

/mnt/usb/dataoutiq_2020_315_1713.bin 1301340080

Disk usage: /dev/sda1 916.9G 222.3G 648.0G 26% /mnt/usb

____end____

GENERAL COMMENT BY Observer: Wed Nov 11 03:11:22 GMT 2020

Opened up the bottom of the Pier through the access plate and inspected the interior of the Pier. I cleaned the interior and checked the nuts holding the Pier to the cement lower Pier. Seven out of eight nuts were loose to the point I could move them by hand. The only tight nut was the one to the south of the Pier, which makes sense because it had the stress of the Pier pulling against it. I tightened all nuts using a wrench. Even the nut to the south that appeared tight rotated one and one half to two rotations. All the rest of the nuts rotated multiple turns to eventually secure the nut. I put a level on the Pier base and was able to see that the bubble moved slightly toward the center of the bulls eye upon tightening. I reattached and installed new hardware for the access panel.

____end____

ONSITE STAFF: berkey, mcotter