
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 localize 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 inital 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 swtich 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 interioran
d 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 nu 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 an
d one half to two rotations. All the rest of the nuts rotated multiple turns to eventually secure the nut. I put a level o
n the Pier base and was able to see that the bubble moved slightly toward the center of the bulls eye upon tightening. I r
etapped and installed new hardware for the access panel.
___end___
ONSITE STAFF: berkey, mcotter