
Mauna Loa Solar Observatory Observer's Log

Mon Dec 7 17:24:28 GMT 2020

Year: 20 Doy: 342

Observer: mlso

WEATHER COMMENT: mcotter: Mon Dec 07 17:26:56 GMT 2020

Temp: 45.5f, Humidity: 14%, Pressure: 28.77in, Wind: 7mph from 144deg, Skies: Clear skies. Inversion layer visible slightly below level of Haleakala.

____end____

Mon Dec 07 17:55:42 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Mon Dec 07 17:58:44 GMT 2020

Ran Focus routine and obtained well shaped parabola. Inserted Polarizer in beam and image looks good: Mid, Bright, Dark, Mid. Kcor now running.

____end____

****Possible CME in Progress mcotter**** : Mon Dec 07 18:50:38 GMT 2020

Possible CME seen launching near PA: 240 Deg at time 18:00 UT.

____end____

GPS COMMENT by MLSO: Mon Dec 07 21:45:11 GMT 2020

Successfully logged in to system

Good disk mount

GPS software running

Last 5 GPS data files are:

/mnt/usb/dataoutiq_2020_337_2338.bin 2147483647

/mnt/usb/dataoutiq_2020_338_2338.bin 2147483647

/mnt/usb/dataoutiq_2020_339_2338.bin 2147483647

/mnt/usb/dataoutiq_2020_340_2338.bin 2147483647

/mnt/usb/dataoutiq_2020_341_2338.bin 2147483647

Disk usage: /dev/sda1 916.9G 263.2G 607.0G 30% /mnt/usb

____end____

GENERAL COMMENT BY mcotter: Mon Dec 07 23:18:15 GMT 2020

The sky is beautifully clear, but Orographic clouds are forming on the western slope of Maunaloa. Wind is currently steady out of the east so hopefully it will keep the clouds at bay

____end____

GENERAL COMMENT BY mcotter: Tue Dec 08 01:11:15 GMT 2020

Winds have dropped off, Orographic clouds moving in from the west. Cirrus clouds forming above and to the west.

____end____

GENERAL COMMENT BY mcotter: Tue Dec 08 01:13:12 GMT 2020

** Strong earthquake activity in the last couple of hours. Four strong jolts felt at observatory **

____end____

GENERAL COMMENT BY mcotter: Tue Dec 08 01:34:22 GMT 2020

Paused Kcor. Clouds in field of view.

____end____

GENERAL COMMENT BY mcotter: Tue Dec 08 01:44:13 GMT 2020

The cloud that was obscuring the view of the Sun seemed to diminish so I attempted to continue running Kcor, but the sky is much, much brighter. The Cirrus clouds are increasing and are primarily in the direction of the Sun.

____end____

GENERAL COMMENT BY mcotter: Tue Dec 08 02:00:30 GMT 2020

A gap has appeared in the clouds; restarted Kcor.

____end____

GENERAL COMMENT BY mcotter: Tue Dec 08 03:00:16 GMT 2020

Looking at the displayed image of Kcor Synoptic, it appeared that the images became dim. I went to the observatory dome to verify where the dome shutter opening was positioned. Because the dome opening position sensor fell below the level of the dome ring it appears the dome was uncertain of its position. I put the dome movement controls in manual and centered the opening relative to the Kcor input opening. I left the controls in manual. In the future I will make a note of checking the dome shutter position as evening approaches to ensure that the opening is in the correct position at all times.

____end____

GENERAL COMMENT BY mcotter: Tue Dec 08 03:27:09 GMT 2020

Other than a brief interlude with a passing, cloud we were able to observe from sunrise to sunset today. And I believe there was a CME too! Good Day on Maunaloa!!

____end____

ONSITE STAFF: mcotter
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