
Mauna Loa Solar Observatory Observer's Log

Sat Aug 15 16:42:41 GMT 2020

Year: 20 Doy: 228

Observer: mlso

WEATHER COMMENT: mcotter: Sat Aug 15 16:47:30 GMT 2020

Temp: 44.9f, Humidity: 27%, Pressure: 28.651in, Wind: 6mph from 154degs, Skies: Red sky in morning, sailor take warning: lots and lots of high altitude clouds. Very thick and dark pinkish grey inversion layer observed on horizon at the level of Haleakala.

____end____

GENERAL COMMENT BY mcotter: Sat Aug 15 16:47:39 GMT 2020

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Sat Aug 15 16:50:14 GMT 2020

PM Blew off Kcor O1. Dust in several locations of lens this morning. I was able to blow off in most locations except for a small patch about 4:00 o'clock position of lens about 1" from edge.

____end____

GENERAL COMMENT BY mcotter: Sat Aug 15 16:58:33 GMT 2020

GONG shack door open.

____end____

GENERAL COMMENT BY mcotter: Sat Aug 15 17:13:17 GMT 2020

Tried opening lens cover but image becomes over saturated. High level clouds present in view.

____end____

GENERAL COMMENT BY mcotter: Sat Aug 15 17:15:41 GMT 2020

GONG display showing possible CME at approximately 2:00 o'clock position.

____end____

GENERAL COMMENT BY mcotter: Sat Aug 15 17:39:58 GMT 2020

Tried moving lens cover out of beam again but image becomes over saturated. High level clouds still present.

____end____

WEATHER COMMENT: mcotter: Sat Aug 15 17:43:31 GMT 2020

Windy.com satellite weather images show large band of high level clouds moving in from the south. Strong indication this will continue for large part of the day.

____end____

GENERAL COMMENT BY mcotter: Sat Aug 15 18:58:35 GMT 2020

Tried moving lens cover out but image gets over saturated with light.

____end____

WEATHER COMMENT: mcotter: Sat Aug 15 21:24:30 GMT 2020

Temp: 54.7f, Humidity: 54%, Pressure: 28.655in, Wind: 6mph from 350degs, Skies: Large clouds forming to the west and coming up the summit.

____end____

WEATHER COMMENT: mcotter: Sat Aug 15 21:30:11 GMT 2020

Clouds forming over observatory.

____end____

GENERAL COMMENT BY mcotter: Sat Aug 15 21:41:56 GMT 2020

Looking at the yaw cam there appeared to be some blue sky in between the clouds. I took out the lens cover but the image quickly over saturated with obscure light. I increased the exposure time to 60ms to cut down on the stray light, but can see that the sky is loaded with aerosols, making any kind of viewing impossible.

___end___

GPS COMMENT by MLSO: Sat Aug 15 21:45:09 GMT 2020

Successfully logged in to system

Good disk mount

GPS software running

Last 5 GPS data files are:

/mnt/usb/dataoutiq_2020_223_2145.bin 2147483647

/mnt/usb/dataoutiq_2020_224_2145.bin 2147483647

/mnt/usb/dataoutiq_2020_225_2145.bin 2147483647

/mnt/usb/dataoutiq_2020_226_2145.bin 2147483647

/mnt/usb/dataoutiq_2020_227_2145.bin 2147483647

___end___

GENERAL COMMENT BY mcotter: Sat Aug 15 21:50:45 GMT 2020

Thick clouds are covering the observatory; closed dome shutter doors and windows.

___end___

****EVENT COMMENT BY mcotter**** : Sat Aug 15 22:54:27 GMT 2020

GONG display showing activity at the 2 o'clock position of the image with possible CME.

___end___

GENERAL COMMENT BY mcotter: Sun Aug 16 01:39:11 GMT 2020

No data taken today.

___end___

ONSITE STAFF: mcotter