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Mauna Loa Solar Observatory Observer's Log  
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Sat Sep 12 16:53:47 GMT 2020

Year: 20 Doy: 256

Observer: mlso

WEATHER COMMENT: mcotter: Sat Sep 12 16:53:50 GMT 2020

Temp: 46.2f, Humidity: 16%, Pressure: 28.684in, Wind: 6mph from 190degs, Skies: Lots of high altitude clouds. High inversion layer visible above Haleakala.

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY mcotter: Sat Sep 12 16:54:26 GMT 2020

GONG shack door open.

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY mcotter: Sat Sep 12 17:03:40 GMT 2020

Opened windows upstairs

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY mcotter: Sat Sep 12 17:05:59 GMT 2020

PM Blew off Kcor O1. Dust artifact observed at 10 o'clock position, approximately 2" from edge of lens, that would not bud ge even after blowing off lens.

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY mcotter: Sat Sep 12 17:28:25 GMT 2020

Sky is a bit bright, and I noticed aerosols present while running focus routine, but the parabola was nicely shaped and the K-cor Stand Alone Images look good so K-cor is running.

\_\_\_\_end\_\_\_\_

Sat Sep 12 18:50:11 GMT 2020 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Sat Sep 12 19:05:23 GMT 2020 KCOR End Calibration Script

Sat Sep 12 20:40:14 GMT 2020 KCOR Start Synoptic Patrol

GPS COMMENT by MLSO: Sat Sep 12 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\_251\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_252\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_253\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_254\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_255\_2145.bin 2147483647

\_\_\_\_end\_\_\_\_

Sun Sep 13 00:08:29 GMT 2020 KCOR End Patrol

Sun Sep 13 00:08:32 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY mcotter: Sun Sep 13 00:43:01 GMT 2020

The sky has turned very bright and the images are getting over saturated. Lots of high altitude clouds forming. Shutting down k-cor.

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY mcotter: Sun Sep 13 00:44:31 GMT 2020

GONG shack door closed.

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY mcotter: Sun Sep 13 01:07:09 GMT 2020

Closed dome shutter doors and windows.

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY mcotter: Sun Sep 13 01:13:42 GMT 2020

While moving the dome in manual mode I noticed that the dome motor drive mounting plate had worked itself loose and was moving when power was applied. I tightened both hold down nuts and plate is again secure. Would recommend changing the washers that are currently being used with hold down nuts to hardened thrust washers to prevent this from reoccurring.

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY mcotter: Sun Sep 13 02:00:29 GMT 2020

The morning and early afternoon sky was a little bright but overall good. High altitude clouds formed mid afternoon and the sky became too bright to take data.

\_\_\_\_end\_\_\_\_

ONSITE STAFF: mcotter