
Mauna Loa Solar Observatory Observer's Log

Tue Oct 13 17:00:09 GMT 2020

Year: 20 Doy: 287

Observer: mlso

WEATHER COMMENT: mcotter: Tue Oct 13 17:00:15 GMT 2020

Temp: 47.1f, Humidity: 9%, Pressure: 28.65in, Wind: 9mph from 151degs, Skies: Cirrus, C
irrostratus and Altocumulus clouds preseat throughout the sky, but mostly to the North,
West and South. Heavy mist in the saddle up to the 8000' level. Road were wet for most
of the drive up indicating it rained quite hard last night.

____end____

GENERAL COMMENT BY mcotter: Tue Oct 13 17:12:37 GMT 2020

Opened windows upstairs

____end____

GENERAL COMMENT BY mcotter: Tue Oct 13 17:12:47 GMT 2020

PM Blew off Kcor 01

____end____

GENERAL COMMENT BY mcotter: Tue Oct 13 17:14:46 GMT 2020

Opened dome and started SHABAR.

____end____

GENERAL COMMENT BY mcotter: Tue Oct 13 20:18:25 GMT 2020

The Spar had a problem this morning with the Dec arm. The Dec arm position had driven i
tself all the way against the NEG (North) EOT sensor and seemed to be bound. The comman
ds to slew the travel in the opposite direction did not seem to affect the position. I
removed the NEG EOR sensor, and gave the Dec a slew rate command of -10.00 and the DEC
arm went back toward the Home sensor and continued to drive until the Dec arm travel h
it the POS EOR/EOT sensor. I moved the NEG EOT sensor further in and re-installed the
NEG EOR sensor and positioned it so that the NEG/EOR sensor triggers just a couple of s
econds before the NEG EOT sensor. I tried The Home command but it did not work and the
Dec arm traveled past the Home sensor without stopping. I had to manually slew to Home,
and then hit the Home button so that it went to Standby.

****NOTE**** When trying to find Home from the NEG EOR/EOT status input -10.00 for a Slew r
ate until the Home GUI illuminates, then stop the slew and put in Standby. When trying
to find Home from POS EOR/EOT status input 10.00 for a slew rate until Home GUI illumin
ates, then stop the slew and put in Standby.

____end____

GENERAL COMMENT BY mcotter: Tue Oct 13 20:19:08 GMT 2020

Kcor running.

____end____

GENERAL COMMENT BY mcotter: Tue Oct 13 21:43:26 GMT 2020

Lots of aerosols visible in the Kcor image, but sky appears clear and blue. Spar appear
s to be working correctly with no problems apparent.

____end____

GPS COMMENT by MLSO: Tue Oct 13 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_282_2145.bin 2147483647

/mnt/usb/dataoutiq_2020_283_2145.bin 2147483647

/mnt/usb/dataoutiq_2020_284_2145.bin 2147483647

/mnt/usb/dataoutiq_2020_285_2145.bin 2147483647

/mnt/usb/dataoutiq_2020_286_2145.bin 2147483647

____end____

GENERAL COMMENT BY mcotter: Tue Oct 13 21:45:22 GMT 2020

Did not run calibration this morning because of time lost working on Spar problem.

____end____

WEATHER COMMENT: mcotter: Tue Oct 13 22:40:50 GMT 2020

Cirrocumulus and Altocumulus clouds forming above and to the upper West of the observat
ory. Pausing Kcor

____end____

GENERAL COMMENT BY mcotter: Tue Oct 13 22:45:29 GMT 2020

Orographic clouds forming to the North and West of Maunaloa summit.

____end____

WEATHER COMMENT: mcotter: Tue Oct 13 23:46:00 GMT 2020

Cirrocumulus and Altocumulus clouds still overhead and to the West. Clouds still covering the summit. Thick gray Orographic clouds have pushed up from the North and West and are now covering the summit.

____end____

GENERAL COMMENT BY mcotter: Tue Oct 13 23:46:24 GMT 2020

Closed dome shutter doors and windows.

____end____

WEATHER COMMENT: mcotter: Wed Oct 14 00:38:09 GMT 2020

Fog and light rain has begun on Maunaloa.

____end____

ONSITE STAFF: berkey, mcotter