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          Mauna Loa Solar Observatory Observer's Log
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       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, Cirrostratus and Altocumulus clouds
presest 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 O1
___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 itself all the way against the NEG (
North) EOT sensor and seemed to be bound. The commands 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 tow
ard the Home sensor and continued to drive until the Dec arm travel hit 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 se
conds before the NEG EOT sensor. I tried The Home command but it did not work and the Dec arm traveled past the Home senso
r 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 rate 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 illuminates, 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 appears to be working correctly with no p
roblems 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
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/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 observatory. 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 Orographi
c 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