
Mauna Loa Solar Observatory Observer's Log

Tue Dec 1 17:12:28 GMT 2020

Year: 20 Doy: 336

Observer: mlso

WEATHER COMMENT: mcotter: Tue Dec 01 17:13:43 GMT 2020

Temp: 34.1f, Humidity: 44%, Pressure: 28.812in, Wind: 7mph from 163degs, Skies: beautiful clear skies! Inversion layer at or below Haleakala.

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GENERAL COMMENT BY mcotter: Tue Dec 01 17:14:03 GMT 2020

Opened windows upstairs

___end___

GENERAL COMMENT BY mcotter: Tue Dec 01 17:14:09 GMT 2020

PM Blew off Kcor 01

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Tue Dec 01 17:46:48 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY mcotter: Tue Dec 01 17:55:45 GMT 2020

Focus routine run; nicely shaped parabola obtained. Kcor running. Checked Polarizer in beam and image checked out good: Mid, Dark, Bright, Mid. Beautiful clear day! Should get some good data!

___end___

Tue Dec 01 19:52:48 GMT 2020 Kcor Focus/alignment program exited

Tue Dec 01 19:53:25 GMT 2020 SGS Alignment complete

Tue Dec 01 19:54:44 GMT 2020 Kcor Focus/alignment program exited

Tue Dec 01 19:56:20 GMT 2020 KCOR Start Synoptic Patrol

Tue Dec 01 19:57:07 GMT 2020 KCOR End Patrol

Tue Dec 01 19:57:08 GMT 2020 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Tue Dec 01 20:12:20 GMT 2020 KCOR End Calibration Script

Tue Dec 01 20:12:37 GMT 2020 KCOR Start Synoptic Patrol

Tue Dec 01 20:12:37 GMT 2020 KCOR Start Synoptic Patrol

Tue Dec 01 21:23:20 GMT 2020 KCOR End Patrol

GENERAL COMMENT BY lisapg: Tue Dec 01 21:23:57 GMT 2020

Starting work on the Spar.

___end___

GPS COMMENT by MLSO: Tue Dec 01 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_334_2146.bin 0

/mnt/usb/dataoutiq_2020_335_2146.bin 0

/mnt/usb/dataoutiq_2020_335_2327.bin 0

/mnt/usb/dataoutiq_2020_335_2328.bin 0

/mnt/usb/dataoutiq_2020_335_2338.bin 2147483647

Disk usage: /dev/sdal 916.9G 250.7G 619.6G 29% /mnt/usb

___end___

ONSITE STAFF: berkey, lisapg, mcotter

GENERAL COMMENT BY mcotter: Wed Dec 02 01:20:53 GMT 2020

Kcor ran until approximately 11:00am HST.

We began the installation on the Ucomp instrument. We were able to successfully mount point source microscope and project and image off of Ucomp 01. The base plate has been temporarily mounted and a preliminary alignment was completed using the point source microscope. Tomorrow we will swap out the hold down bolts and washers with bigger hardware to get the required alignment baseplate tip/tilt range.

Alignment showed the O1 was tilted too past the alignment range of the baseplate. So initial move of the o1 was made to bring it into alignment. We were able to tweak it to about 1/2 the desired range and will return to the problem tomorrow with a different set of tools.

Spar has been roughly rebalanced so we should be able to get kcor data first thin thing in the morning. At the end of the alignment procedure (end of the week) we will go through a more robust balance procedure and check SGS PID values.

___end___

ONSITE STAFF: