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Mauna Loa Solar Observatory Observer's Log  
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Fri Jun 5 17:13:12 GMT 2020

Year: 20 Doy: 157

Observer: berkey

WEATHER COMMENT: berkey: Fri Jun 05 17:13:17 GMT 2020

Temp: 51.0f, Humidity: 11%, Pressure: 28.605in, Wind: 15mph from 115degs, Skies: clear

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

GENERAL COMMENT BY berkey: Fri Jun 05 17:13:21 GMT 2020

PM Blew off Kcor 01

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

GENERAL COMMENT BY berkey: Fri Jun 05 17:13:28 GMT 2020

Opened windows up stairs.

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

Fri Jun 05 17:16:49 GMT 2020 SGS Alignment complete

Fri Jun 05 17:18:00 GMT 2020 Kcor Focus/alignment program exited

Fri Jun 05 17:28:52 GMT 2020 KCOR Start Synoptic Patrol

Fri Jun 05 19:51:29 GMT 2020 KCOR End Patrol

Fri Jun 05 19:53:30 GMT 2020 Kcor Focus/alignment program exited

Fri Jun 05 20:27:18 GMT 2020 KCOR Start Synoptic Patrol

Fri Jun 05 20:27:19 GMT 2020 KCOR End Patrol

Fri Jun 05 20:27:19 GMT 2020 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Fri Jun 05 20:42:30 GMT 2020 KCOR End Calibration Script

Fri Jun 05 20:42:46 GMT 2020 KCOR Start Synoptic Patrol

Fri Jun 05 20:42:46 GMT 2020 KCOR Start Synoptic Patrol

Fri Jun 05 21:14:04 GMT 2020 KCOR End Patrol

GPS COMMENT by MLSO: Fri Jun 05 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\_152\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_153\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_154\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_155\_2145.bin 2147483647

/mnt/usb/dataoutiq\_2020\_156\_2145.bin 2147483647

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

Fri Jun 05 22:03:27 GMT 2020 Kcor Focus/alignment program exited

Fri Jun 05 22:10:01 GMT 2020 Kcor Focus/alignment program exited

Log Type BY berkey: Fri Jun 05 22:29:37 GMT 2020

Went up to check the spar to try and understand the DEC oscillations

Found the RA proportional gain to be too low and the DEC to be too high.

Default values were:

RA Prop: 10

Int: .05

Dec Prop: 450  
Int: .05

But I find that:  
RA Prop 70  
Int .015  
Dec Prop 300  
Int .006

Are better values.

We are running with this values now; but if the sgs program restarts we will revert back to the default values.

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

GENERAL COMMENT BY berkey: Sat Jun 06 00:50:19 GMT 2020

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

Sat Jun 06 00:52:45 GMT 2020 Kcor Focus/alignment program exited

Sat Jun 06 00:54:19 GMT 2020 SGS Alignment complete

Sat Jun 06 00:54:20 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY berkey: Sat Jun 06 02:35:29 GMT 2020

Nice day other than a weird polarization hiccup around 19Ut.

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

ONSITE STAFF: berkey