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Mauna Loa Solar Observatory Observer's Log  
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Wed Apr 15 16:54:00 GMT 2020

Year: 20 Doy: 106

Observer: berkey

WEATHER COMMENT: berkey: Wed Apr 15 16:55:54 GMT 2020

Temp: 38.9f, Humidity: 28%, Pressure: 28.878in, Wind: 10mph from 158degs, Skies: patchy cirrus

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

Wed Apr 15 17:15:14 GMT 2020 Kcor Focus/alignment program exited

GENERAL COMMENT BY berkey: Wed Apr 15 17:15:22 GMT 2020

PM Blew off Kcor O1 and opened windows up stairs. Front of kcor lens looks to have some thing on it, maybe this got on the lens during cleaning the back side on friday.

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

GENERAL COMMENT BY berkey: Wed Apr 15 17:27:49 GMT 2020

Kcor started up in the wrong mode.

Looking around I found a bug in some of the code related to deciding if we should be using the pcie and pxie channels. But was fixed, not sure if this was the source of the startup issue.

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

Wed Apr 15 18:24:48 GMT 2020 Kcor Focus/alignment program exited

Wed Apr 15 18:24:55 GMT 2020 Kcor Focus/alignment program exited

GPS COMMENT by MLSO: Wed Apr 15 21:45:06 GMT 2020

Successfully logged in to system

Good disk mount

GPS software running

Last 5 GPS data files are:

/mnt/usb/dataoutiq\_2020\_101\_2146.bin 2147483647

/mnt/usb/dataoutiq\_2020\_102\_2146.bin 2147483647

/mnt/usb/dataoutiq\_2020\_103\_2146.bin 2147483647

/mnt/usb/dataoutiq\_2020\_104\_2146.bin 2147483647

/mnt/usb/dataoutiq\_2020\_105\_2146.bin 2147483647

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

KCOR COMMENT BY berkey: Wed Apr 15 21:54:50 GMT 2020

Pulling the Kcor o1 for cleaning.

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

KCOR COMMENT BY berkey: Thu Apr 16 02:05:19 GMT 2020

Used first contact on the front and back of the kcor o1. Near as I can tell it is clean, but with the heavy overcast there isn't enough sunlight for a complete inspection.

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

KCOR COMMENT BY berkey: Thu Apr 16 02:56:51 GMT 2020

Testing between clouds today, seems to suggest the bug in the channel names was the source of the bad kcor startup state.

We should probably keep stating the observing code with the polarizer in the beam for a bit longer to make sure we really did sort the problem. But so far it looks good.

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

GENERAL COMMENT BY berkey: Thu Apr 16 02:57:32 GMT 2020

Spend the morning in between thin cirrus clouds and the afternoon under heavy overcast.

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

ONSITE STAFF: berkey