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Mauna Loa Solar Observatory Observer's Log  
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Wed Jul 11 16:19:23 GMT 2018

Year: 18 Doy: 192

Observer: berkey

WEATHER COMMENT: berkey: Wed Jul 11 16:22:10 GMT 2018

Temp: 46.1f, Humidity: 57%, Pressure: 28.735in, Wind: 4mph from 172degs, Skies: clear above, but high weak inversion layer will lead to marginal data

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

GENERAL COMMENT BY berkey: Wed Jul 11 16:59:44 GMT 2018

PM Blew off Kcor O1

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

GENERAL COMMENT BY berkey: Wed Jul 11 17:00:06 GMT 2018

Windows opened upstairs

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

GENERAL COMMENT BY berkey: Wed Jul 11 17:08:42 GMT 2018

Sky too bright to observe right now

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

KCOR COMMENT BY berkey: Thu Jul 12 02:15:33 GMT 2018

Very long intensive kcor O1 cleaning attempt today.

Today we started out with new Granginer DI water, new spray bottles, liquid liquinox.

While I was able to move around some of the residue I was not able to completely remove it from any one location. The results seem similar to previous cleanings.

After the UComp meeting I found that NOAA had the new free and clear dish soap on site. So a cleaning attempted with that soap was tried.

The dish soap shows much better results than the liquinox as used. Residue levels are now greatly reduced. There is still a lot more to do, but I think the lens is at a better state, we are running low on DI water. And I am getting mentally exasperated from the process.

Going forward we should probably do future washing with the dish soap and order more DI water.

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

GENERAL COMMENT BY berkey: Thu Jul 12 02:16:20 GMT 2018

During the O1 blow off before installation I broke the compressor nozzle. As far as I can tell there are no more spares on site.

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

Thu Jul 12 02:41:06 GMT 2018 Kcor Focus/alignment program exited

Thu Jul 12 02:41:55 GMT 2018 Kcor Focus/alignment program exited

GENERAL COMMENT BY berkey: Thu Jul 12 02:42:55 GMT 2018

No data today. I didn't look outside much today, but I don't think there was a chance to get data even if we weren't doing O1 wash.

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

ONSITE STAFF: berkey