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Mauna Loa Solar Observatory Observer's Log  
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Tue May 11 16:45:42 GMT 2021

Year: 21 Doy: 131

Observer: berkey

WEATHER COMMENT: berkey: Tue May 11 16:45:45 GMT 2021

Temp: 47.3f, Humidity: 34%, Pressure: 28.584in, Wind: 7mph from 168degs, Skies: clear

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

GENERAL COMMENT BY berkey: Tue May 11 16:53:17 GMT 2021

Opened windows upstairs

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

GENERAL COMMENT BY berkey: Tue May 11 16:53:20 GMT 2021

PM Blew off Kcor O1

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

Tue May 11 19:43:12 GMT 2021 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Tue May 11 19:58:28 GMT 2021 KCOR End Calibration Script

Tue May 11 21:09:16 GMT 2021 SGS Alignment complete

Tue May 11 21:12:29 GMT 2021 Kcor Focus/alignment program exited

\*\*UCoMP PROBLEM COMMENT BY berkey\*\* : Wed May 12 02:02:21 GMT 2021

UCoMP alignments today.

O1 was moved to try and get a good alignment on both the field lens and modulator iris. It did not seem possible to get a good alignment in both places. I think the field lens might have a small tilt causing the beam to move on the modulator. The O1 was finally bolted into position aligned onto the field lens.

Using colored filters it was found that bright ring at the lyot stop on the modulator was 15.5mm and the inner dimmer bright ring was 13mm in diameter.

In case this is the new final position of the instrument data was taken with the distortion grid, airforce target and wave length vs o1 focus tests were performed.

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

GENERAL COMMENT BY berkey: Wed May 12 02:02:36 GMT 2021

PM Washed Kcor O1. O1 was washed with soap and water.

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

GENERAL COMMENT BY berkey: Wed May 12 02:07:43 GMT 2021

Nice morning but cloud came in about 12:30 and never broke.

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

ONSITE STAFF: berkey