
Mauna Loa Solar Observatory Observer's Log

Tue Mar 23 17:11:20 GMT 2021

Year: 21 Doy: 082

Observer: berkey

WEATHER COMMENT: berkey: Tue Mar 23 17:11:56 GMT 2021

Temp: 33.5f, Humidity: 48%, Pressure: 28.749in, Wind: 4mph from 200degs, Skies: patchy cirrus, sky bright to the east. Roads and surfaces icy above ~10,000ft

____end____

Tue Mar 23 17:37:55 GMT 2021 Kcor Focus/alignment program exited

GENERAL COMMENT BY berkey: Tue Mar 23 17:42:17 GMT 2021

Opened windows upstairs

____end____

GENERAL COMMENT BY Observer: Tue Mar 23 18:38:11 GMT 2021

PM Blew off Kcor O1

____end____

GENERAL COMMENT BY Observer: Tue Mar 23 18:38:11 GMT 2021

____end____

GENERAL COMMENT BY Observer: Tue Mar 23 20:14:15 GMT 2021

Fog blowing thru the site.

____end____

UCoMP COMMENT BY berkey: Wed Mar 24 00:56:39 GMT 2021

It was found that putting a paper target with bullseye rings on top of the field lens cover/target it was much easier to see where the solar image falls onto the field lens (when guiding).

Using this new target the UCoMP O1 was aligned to the center of the field lens in left/right (east/west). With the widened spar extension holes the field lens image now looks centered on the west side of the spar slot. Previously we needed more alignment range to move the O1 further east. So we probably widened the spar extension holes too much and would have been happy with 9/16" instead of 5/8"

Focus check was then run where we found the 530 came into focus at about 8mm and the 1083 didn't come into focus at all. The O1 was then shifted sunward (+Z focus range direction) by ~6.2mm. And the O1 was returned in East-west to some reference marks placed on the spar. If the focus looks good we will repeat the East west test.

____end____

GENERAL COMMENT BY berkey: Wed Mar 24 01:22:55 GMT 2021

Looks like it will stay cloudy all day.

____end____

ONSITE STAFF: berkey