
Mauna Loa Solar Observatory Observer's Log

Wed Jul 10 16:42:36 GMT 2019

Year: 19 Doy: 191

Observer: berkey

WEATHER COMMENT: berkey: Wed Jul 10 16:42:42 GMT 2019

Temp: 41.6f, Humidity: 77%, Pressure: 28.761in, Wind: 5mph from 184deg, Skies: clear
__end__

GENERAL COMMENT BY berkey: Wed Jul 10 17:02:02 GMT 2019

Opened windows upstairs.

__end__

Wed Jul 10 17:04:47 GMT 2019 SGS Alignment complete

Wed Jul 10 17:06:51 GMT 2019 Kcor Focus/alignment program exited

KCOR COMMENT BY berkey: Wed Jul 10 17:07:17 GMT 2019

Kcor Jenoptik 01 installed in the telescope, to support a test of the first contact cleaner.

Jenoptik has been recently cleaned (~30 minutes after the last optimax 01 cleaning), with the legacy cleaning method. It is expected that this spare 01 will put more artifacts in that data than the nominal/good 01 we have been running with.

So the plan is to run with this lens long enough to get a good "before" first contact data set then pull it out for cleaning.

__end__

GENERAL COMMENT BY berkey: Wed Jul 10 17:08:17 GMT 2019

Kcor started in the right state. We also noted that the sun rose in the east.

__end__

GENERAL COMMENT BY berkey: Wed Jul 10 17:18:25 GMT 2019

Not getting nrgf images yet, but the super quickly images look pretty terrible. Big bullet on the east limb with lots of little artifacts in the SE.

shutting down to put the optimax 01 back in.

__end__

KCOR COMMENT BY berkey: Wed Jul 10 17:34:39 GMT 2019

Optimax 01 reinstalled in kcor. Lens was blown off front and back during install.

__end__

Wed Jul 10 17:36:08 GMT 2019 SGS Alignment complete

Wed Jul 10 17:37:24 GMT 2019 Kcor Focus/alignment program exited

****KCOR PROBLEM COMMENT BY berkey**** : Wed Jul 10 17:38:05 GMT 2019

The field lens spots in the kcor data yesterday seem related some dust that got on the lens during the vell black install on monday.

Unfortunately the dust would not blow off, so we probably need to clean the lens sooner than later.

__end__

Wed Jul 10 17:39:54 GMT 2019 KCOR Start Synoptic Patrol

KCOR COMMENT BY berkey: Wed Jul 10 17:40:28 GMT 2019

Kcor started in the right polarization state.

__end__

Wed Jul 10 18:31:04 GMT 2019 SGS Alignment complete

Wed Jul 10 18:48:43 GMT 2019 KCOR End Patrol

GENERAL COMMENT BY berkey: Wed Jul 10 19:07:16 GMT 2019

Dome closed for clouds

__end__

GENERAL COMMENT BY berkey: Wed Jul 10 22:43:49 GMT 2019

Light rain.

__end__

KCOR COMMENT BY berkey: Wed Jul 10 23:25:05 GMT 2019

Pulled the field lens out for inspection. Out side of the telescope I was able to blow off the dust spect that I think was the source of the SE artifact.

This morning with the lens in telescope I was unable to get the right angle the blow this off

__end__

ONSITE STAFF: berkey