
Mauna Loa Solar Observatory Observer's Log

Fri Jul 19 16:28:48 GMT 2002

Year: 02 Doy: 200

Observer: yasukawa

WEATHER COMMENT: Fri Jul 19 16:29:02 GMT 2002

Cool, in moderate cirrpstratus overcast, light southeast wind.

Fri Jul 19 16:34:24 GMT 2002 CHIP Start Patrol

Fri Jul 19 16:34:40 GMT 2002 PICS Start Patrol

Fri Jul 19 16:34:47 GMT 2002 MKIV Start Patrol

PSPT COMMENT: Fri Jul 19 16:48:45 GMT 2002

Starting daily observations.

MKIV PROBLEM
Fri Jul 19 17:10:35 GMT 2002

After discussions with David, I turned off O1 guider for the duration until we determine a good strategy or redesign to utilize it. Tests with video of its operation correlated to images taken and looking back thru the data revealed that the streamer motion began occurring when the O1 guider was turned back on after Judd's efforts to address some of its problems--not to say that the current problem is a result of Judd's work, it may have always existed. The problem goes away when we turned the O1 guider off. Curiously, the daily drift thought to be caused by spar flexure, etc, was greater with the ol guider on than off. After turning O1 guider off, I went upstairs and manually moved the cams to its center of travel. N/S cams were stopped close to one limit, but not on it, and the E/W cams were very near the center of travel. Darryl recentered the N/S cams on DOY 02194.

Fri Jul 19 18:02:14 GMT 2002 PICS Flat

Fri Jul 19 18:05:13 GMT 2002 PICS End Flat

Fri Jul 19 19:01:43 GMT 2002 CHIP LSD

Fri Jul 19 19:04:03 GMT 2002 CHIP End LSD

Fri Jul 19 19:04:16 GMT 2002 CHIP BiasLSD

Fri Jul 19 19:05:13 GMT 2002 CHIP End BiasLSD

Fri Jul 19 19:05:21 GMT 2002 CHIP Bias

Fri Jul 19 19:06:15 GMT 2002 CHIP End Bias

PSPT PROBLEM
Fri Jul 19 19:22:36 GMT 2002

PSPT crashed at 1841 UT starting photometric data routine. Did kill/restart to recover.

Fri Jul 19 19:45:59 GMT 2002 CHIP End Patrol

COMMENT: Fri Jul 19 19:46:06 GMT 2002

Stopping to reconfigure dome shutter.

Fri Jul 19 19:46:20 GMT 2002 PICS End Patrol

Fri Jul 19 19:52:05 GMT 2002 CHIP Start Patrol

Fri Jul 19 19:52:09 GMT 2002 PICS Start Patrol

WEATHER COMMENT: Fri Jul 19 20:37:41 GMT 2002

Cirrostratus very thin now.

Fri Jul 19 22:02:42 GMT 2002 CHIP End Patrol

Fri Jul 19 22:05:43 GMT 2002 PICS End Patrol

PICS PROBLEM
Fri Jul 19 22:07:09 GMT 2002

Opening up PICS to attempt to remove dust particle from CCD.

Fri Jul 19 22:21:34 GMT 2002 PICS Start Patrol
Fri Jul 19 22:22:46 GMT 2002 PICS End Patrol
Fri Jul 19 22:27:53 GMT 2002 PICS Start Patrol
Fri Jul 19 22:29:04 GMT 2002 PICS End Patrol
Fri Jul 19 22:32:34 GMT 2002 PICS Start Patrol
Fri Jul 19 22:48:47 GMT 2002 PICS End Patrol

PICS PROBLEM: Fri Jul 19 23:07:31 GMT 2002

Tried blowing the particle off CCD with airbrush. Used longest exposure on gui available to maximize look and blow time (not very much time!).

Particle did not move on the display image.

Tried blowing the front and back surfaces of all of the optical elements I could reach and was not successful in moving the particle. Need to think more drastic measures through before trying them.

Fri Jul 19 23:13:41 GMT 2002

MkIV

16_34.rawmk4 16_43.rawmk4 16_53.rawmk4

16_37.rawmk4 16_47.rawmk4 16_57.rawmk4