
Mauna Loa Solar Observatory Observer's Log

Wed Aug 27 16:30:11 GMT 2003

Year: 03 Doy: 239

Observer: yasukawa

WEATHER COMMENT: Wed Aug 27 16:30:46 GMT 2003

Cool, clear, light south breeze.

COMMENT: Wed Aug 27 16:31:02 GMT 2003

No observations yesterday due to illness.

Wed Aug 27 16:36:11 GMT 2003 CHIP Start Patrol

Wed Aug 27 16:36:21 GMT 2003 PICS Start Patrol

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Wed Aug 27 16:41:00 GMT 2003

MKIV COMMENT: Wed Aug 27 16:58:48 GMT 2003

Centering O1.

Mk4 has just cleared dome cylinder.

Wed Aug 27 17:00:28 GMT 2003 MKIV Start Patrol

PSPT COMMENT: Wed Aug 27 17:01:35 GMT 2003

Starting up.

Foukal support filters have arrived. I will run a set of observations with the original PSPT red and blue filter in place to get a baseline impression of what the exposures should be before swapping-in the test filters.

PSPT COMMENT: Wed Aug 27 17:16:22 GMT 2003

Observing.

PSPT PROBLEM: Wed Aug 27 17:22:51 GMT 2003

ND filters on Foukal set were "popped in" and needed to be re-seated in mount. Probably due to expansion of bubble-wrap at high altitude applying pressure against the filters held in by tape on the edge.

PSPT COMMENT: Wed Aug 27 17:29:29 GMT 2003

Stopped observation. Swapping filters.

PSPT COMMENT: Wed Aug 27 17:40:53 GMT 2003

Foukal filter set installed. Observing.

PSPT PROBLEM: Wed Aug 27 17:55:39 GMT 2003

"Blue" filter image is overexposed to saturated, "red" filter is very dark, no image visible.

Stopped observations to attempt to find ND filters among the spares sent with the filters that will compensate for transmission.

Wed Aug 27 18:00:45 GMT 2003 CHIP LSD

Wed Aug 27 18:02:36 GMT 2003 CHIP End LSD

Wed Aug 27 18:02:44 GMT 2003 CHIP BiasLSD

Wed Aug 27 18:02:44 GMT 2003 PICS Flat

Wed Aug 27 18:03:43 GMT 2003 CHIP End BiasLSD

Wed Aug 27 18:04:00 GMT 2003 CHIP Bias

Wed Aug 27 18:05:05 GMT 2003 CHIP End Bias

Wed Aug 27 18:05:15 GMT 2003 PICS End Flat

PSPT PROBLEM: Wed Aug 27 18:10:22 GMT 2003

"Blue" filter's ND is as dark as the darkest spare sent out. Compensation will have to be via software.

MKIV COMMENT: Wed Aug 27 18:12:05 GMT 2003

Centered Ol.

Wed Aug 27 18:13:13 GMT 2003 MKIV Start Cal

PSPT PROBLEM : Wed Aug 27 18:15:12 GMT 2003

"Red" filter ND is very dark. I will swap the "red" filter's ND and the "blue filter's ND.

Wed Aug 27 18:33:00 GMT 2003 MKIV End Cal

Wed Aug 27 18:33:11 GMT 2003 MKIV Start Patrol

PSPT PROBLEM : Wed Aug 27 18:34:05 GMT 2003

NDs swapped. Observing.

PSPT PROBLEM : Wed Aug 27 18:42:55 GMT 2003

ND on "blue" may be too dark, centering routine thought PSPT was in clouds.

PSPT PROBLEM : Wed Aug 27 18:43:54 GMT 2003

All images were dark. Found spar off pointed. Restarting observations, may need to manually point spar to test ND exposures.

PSPT PROBLEM : Wed Aug 27 18:51:58 GMT 2003

Guider could not point due to low intensity of "blue" filter. "Blue" image dark.

"Red" image was saturated--more than occurred in previous test with the ND on the "blue" filter. Stopped and I will swap the ND filters back to original filters. Looks like exposure will need to be set with software.

COMMENT: Wed Aug 27 19:26:22 GMT 2003

Stopping to reconfigure dome shutter.

Wed Aug 27 19:26:46 GMT 2003 CHIP End Patrol

Wed Aug 27 19:27:28 GMT 2003 MKIV End Patrol

Wed Aug 27 19:27:23 GMT 2003 PICS End Patrol

PSPT PROBLEM : Wed Aug 27 19:26:38 GMT 2003

Foukal filters' NDs swapped back to original configuration as received. Filters re-installed, restarting observations.

MKIV COMMENT: Wed Aug 27 19:32:55 GMT 2003

Centering Ol.

Wed Aug 27 19:33:26 GMT 2003 MKIV Start Patrol

Wed Aug 27 19:33:19 GMT 2003 CHIP Start Patrol

Wed Aug 27 19:33:31 GMT 2003 PICS Start Patrol

PSPT PROBLEM : Wed Aug 27 19:45:37 GMT 2003

Stopping observations with Foukal set.

PSPT PROBLEM : Wed Aug 27 19:47:25 GMT 2003

I will try to get a good exposure by stacking available filters.

WEATHER COMMENT: Wed Aug 27 20:17:15 GMT 2003

In cirrus.

PSPT PROBLEM : Wed Aug 27 20:38:28 GMT 2003

Cannot do a good job of stacking filters. Mount holes don't align with the filter stack extending down. I slipped the additional filter on top of the bandpass filter to get the ND holder to align. This situation means the added ND filter is not tilted and not in contact-much less

greased to the mounted ND filter.

PSPT PROBLEM : Wed Aug 27 20:49:17 GMT 2003

OK, I found a decent combination of ND filters for the Foukal "blue" exposure. Working on "red" stack now.

PSPT PROBLEM : Wed Aug 27 21:15:18 GMT 2003

OK, again. I found a decent combination of ND filters for the Foukal "red" exposure after a couple of tries. This stack fit in the mount without compromising mounting hole alignment.

Observing.

PSPT PROBLEM : Wed Aug 27 21:22:10 GMT 2003

Exposures and focus look fairly decent. Once Randy takes a look at the images, only slight touch ups in software controlling exposure and focus may be needed.

WEATHER COMMENT: Wed Aug 27 21:35:27 GMT 2003

Still in cirrus overcast, stopping MK4.

Wed Aug 27 21:37:18 GMT 2003 MKIV End Patrol

WEATHER COMMENT: Wed Aug 27 22:48:37 GMT 2003

In hole in cirrus but orographic clouds are hovering nearby.

MKIV COMMENT: Wed Aug 27 22:49:09 GMT 2003

Centered O1.

Wed Aug 27 22:49:20 GMT 2003 MKIV Start Patrol

Wed Aug 27 22:55:29 GMT 2003 MKIV End Patrol

WEATHER COMMENT: Wed Aug 27 23:15:18 GMT 2003

In broken orographic clouds.

Wed Aug 27 23:27:32 GMT 2003 MKIV Start Patrol

COMMENT: Wed Aug 27 23:24:03 GMT 2003

Declination reset itself. Repointed and reset guider.

WEATHER COMMENT: Wed Aug 27 23:27:42 GMT 2003

Orographic clouds more scattered now. In thin cirrostratus.

WEATHER COMMENT: Thu Aug 28 00:37:43 GMT 2003

In thick orographic clouds.

Thu Aug 28 00:38:31 GMT 2003 MKIV End Patrol

Thu Aug 28 01:11:16 GMT 2003 CHIP End Patrol

COMMENT: Thu Aug 28 01:11:31 GMT 2003

Stopping to reconfigure dome shutter.

Thu Aug 28 01:11:42 GMT 2003 PICS End Patrol

Thu Aug 28 01:19:48 GMT 2003 CHIP Start Patrol

Thu Aug 28 01:19:59 GMT 2003 PICS Start Patrol

PSPT COMMENT: Thu Aug 28 02:30:00 GMT 2003

Shut down PSPT.

Thu Aug 28 02:30:13 GMT 2003 CHIP End Patrol

Thu Aug 28 02:33:31 GMT 2003 PICS End Patrol

Thu Aug 28 02:34:43 GMT 2003

MkIV

00_02.rawmk4	17_36.rawmk4	18_56.rawmk4	20_14.rawmk4	21_22.rawmk4
00_05.rawmk4	17_39.rawmk4	18_59.rawmk4	20_17.rawmk4	21_25.rawmk4
00_08.rawmk4	17_42.rawmk4	19_02.rawmk4	20_20.rawmk4	21_28.rawmk4

00_11.rawmk4	17_45.rawmk4	19_05.rawmk4	20_23.rawmk4	21_31.rawmk4
00_14.rawmk4	17_48.rawmk4	19_08.rawmk4	20_26.rawmk4	21_34.rawmk4
00_17.rawmk4	17_51.rawmk4	19_11.rawmk4	20_29.rawmk4	22_49.rawmk4
00_20.rawmk4	17_54.rawmk4	19_17.rawmk4	20_32.rawmk4	22_52.rawmk4
00_23.rawmk4	17_57.rawmk4	19_21.rawmk4	20_35.rawmk4	23_27.rawmk4
00_26.rawmk4	18_00.rawmk4	19_24.rawmk4	20_38.rawmk4	23_30.rawmk4
00_29.rawmk4	18_03.rawmk4	19_33.rawmk4	20_41.rawmk4	23_33.rawmk4
00_32.rawmk4	18_06.rawmk4	19_36.rawmk4	20_44.rawmk4	23_36.rawmk4
00_35.rawmk4	18_09.rawmk4	19_39.rawmk4	20_47.rawmk4	23_39.rawmk4
17_00.rawmk4	18_16.rawmk4	19_42.rawmk4	20_50.rawmk4	23_42.rawmk4
17_03.rawmk4	18_23.rawmk4	19_45.rawmk4	20_52.rawmk4	23_45.rawmk4
17_06.rawmk4	18_29.rawmk4	19_48.rawmk4	20_55.rawmk4	23_48.rawmk4
17_09.rawmk4	18_33.rawmk4	19_51.rawmk4	20_58.rawmk4	23_51.rawmk4
17_15.rawmk4	18_36.rawmk4	19_54.rawmk4	21_01.rawmk4	23_54.rawmk4
17_19.rawmk4	18_39.rawmk4	19_57.rawmk4	21_04.rawmk4	23_56.rawmk4
17_21.rawmk4	18_41.rawmk4	19_59.rawmk4	21_07.rawmk4	23_59.rawmk4
17_24.rawmk4	18_44.rawmk4	20_02.rawmk4	21_10.rawmk4	c18_20.rawmk4
17_27.rawmk4	18_47.rawmk4	20_05.rawmk4	21_13.rawmk4	c18_26.rawmk4
17_30.rawmk4	18_50.rawmk4	20_08.rawmk4	21_16.rawmk4	
17_33.rawmk4	18_53.rawmk4	20_11.rawmk4	21_19.rawmk4	