
Mauna Loa Solar Observatory Observer's Log

Mon Aug 18 16:19:30 GMT 2003

Year: 03 Doy: 230

Observer: stueben

WEATHER COMMENT: Mon Aug 18 16:28:03 GMT 2003

Clear, cool, light southeast wind.

Mon Aug 18 16:33:27 GMT 2003 CHIP Start Patrol

Mon Aug 18 16:33:39 GMT 2003 PICS Start Patrol

MKIV PROBLEM Mon Aug 18 16:32:24 GMT 2003

Dust cap cable got ripped off the connector sometime, probably when swinging spar past dome shutter motor at shutdown time. Since function is not critical to operations I will just remove it when I can get the ladder under the spar.

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Mon Aug 18 16:46:42 GMT 2003

MKIV COMMENT: Mon Aug 18 16:57:23 GMT 2003

mk4 cleared dome cylinder, centering O1.

Mon Aug 18 16:58:34 GMT 2003 MKIV Start Patrol

PSPT COMMENT: Mon Aug 18 17:00:16 GMT 2003

Starting up.

PSPT COMMENT: Mon Aug 18 17:25:03 GMT 2003

Observing.

WEATHER COMMENT: Mon Aug 18 17:55:45 GMT 2003

Sky bright, possibly thin cirrostratus.

MKIV COMMENT: Mon Aug 18 17:56:29 GMT 2003

Stopping to remove dust cap cable and microswitch for later off-spar repair.

Mon Aug 18 17:57:42 GMT 2003 MKIV End Patrol

Mon Aug 18 18:00:45 GMT 2003 CHIP LSD

Mon Aug 18 18:02:29 GMT 2003 CHIP End LSD

Mon Aug 18 18:02:37 GMT 2003 CHIP BiasLSD

Mon Aug 18 18:03:28 GMT 2003 PICS Flat

Mon Aug 18 18:03:30 GMT 2003 CHIP End BiasLSD

Mon Aug 18 18:03:42 GMT 2003 CHIP Bias

Mon Aug 18 18:04:39 GMT 2003 CHIP End Bias

MKIV COMMENT: Mon Aug 18 18:05:39 GMT 2003

Centered O1.

Mon Aug 18 18:05:57 GMT 2003 MKIV Start Patrol

Mon Aug 18 18:05:51 GMT 2003 PICS End Flat

MKIV PROBLEM Mon Aug 18 19:17:39 GMT 2003

Stopping mk4. Finished repair of dust cap microswitch assembly.

Re-installing

Mon Aug 18 19:22:31 GMT 2003 MKIV End Patrol

Mon Aug 18 19:46:55 GMT 2003 CHIP End Patrol

Mon Aug 18 19:47:03 GMT 2003 PICS End Patrol

COMMENT: Mon Aug 18 19:47:03 GMT 2003

Stopping to reconfigure dome shutter.

****MKIV PROBLEM****: Mon Aug 18 19:47:25 GMT 2003
Mk4 dust cap microswitch and cabling re-installed.

MKIV COMMENT: Mon Aug 18 19:53:41 GMT 2003
Centering O1.

Mon Aug 18 19:54:01 GMT 2003 MKIV Start Cal
Mon Aug 18 19:54:17 GMT 2003 CHIP Start Patrol
Mon Aug 18 19:54:29 GMT 2003 PICS Start Patrol

WEATHER COMMENT: Mon Aug 18 19:54:14 GMT 2003

Still in very thin, even-looking cirrostratus.

****PSPT PROBLEM****: Mon Aug 18 20:05:23 GMT 2003

Stopping PSPT to remove the CaK filter, check the ND's cleanliness, and to reorient the tilt of the ND as per Kim's request.

Mon Aug 18 20:12:43 GMT 2003 MKIV End Cal
Mon Aug 18 20:12:57 GMT 2003 MKIV Start Patrol

COMMENT: Mon Aug 18 20:25:34 GMT 2003

There were no observations yesterday. Blue dot-staff absence.

****PSPT PROBLEM****: Mon Aug 18 20:38:26 GMT 2003

Haze deposition only on outer surface of ND filter. Surface facing the CaK filter and the CaK filter surfaces were clean. Deposition may be caused by the rotating shutter "below" the filters or the heater, which is now turned on and operating at 35 degrees C.

Cleaned off the haze with pure ethyl alcohol.

Reoriented tilt of the ND filter. Washer stack was at original "good" filter position (with "old" filter tilt). Washer stack now at "old" filter position with "old" filter tilt. Washer stack is 0.1365" thick. I found the lost small washer on the floor so it is back in the stack with the original combination of washers.

Filter assembly reinstalled and observations restarted.

WEATHER COMMENT: Mon Aug 18 21:25:06 GMT 2003

Orographic clouds approaching overhead.

Mon Aug 18 21:44:23 GMT 2003 CHIP End Patrol
Mon Aug 18 21:44:31 GMT 2003 PICS End Patrol

WEATHER COMMENT: Mon Aug 18 21:44:46 GMT 2003

Orographic clouds getting thick and threatening rain. Instruments idled and domes closed.

PSPT COMMENT: Mon Aug 18 21:51:15 GMT 2003

PSPT idled.

GONG COMMENT: Mon Aug 18 22:02:54 GMT 2003

Performed GONG weekly PM.

WEATHER COMMENT: Tue Aug 19 00:51:04 GMT 2003

Still in thick orographic clouds.

****PSPT PROBLEM****: Tue Aug 19 00:51:25 GMT 2003

Pulled out CaK filter to reinspect the ND filter. There was no haze on the front surface after a few hours of sitting inside the instrument.

****PSPT PROBLEM****: Tue Aug 19 00:57:37 GMT 2003

Removed blue filter. Its ND filter also had a haze deposited on its front

surface in a gradient from around its middle. There appeared to be a very small partial fingerprint near the edge. Cleaned filter with ethyl alcohol and reinstalled it into the wheel.

PSPT PROBLEM
Tue Aug 19 01:09:21 GMT 2003

Removed Red filter. ND on this filter assembly was clean (!). Quite puzzling, no? Hazing appears to be either directional on the filter wheel or the two ND filters (on the CaK and the Blue) have a haze-o-philic quality to some or all of their front surfaces.

COMMENT: Tue Aug 19 01:23:51 GMT 2003

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Plugged in battery charger for the lift upstairs.

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Tue Aug 19 01:25:43 GMT 2003

MkIV

16_58.rawmk4	17_48.rawmk4	18_47.rawmk4	20_18.rawmk4	21_08.rawmk4
17_01.rawmk4	17_51.rawmk4	18_49.rawmk4	20_21.rawmk4	21_11.rawmk4
17_04.rawmk4	17_54.rawmk4	18_52.rawmk4	20_24.rawmk4	21_14.rawmk4
17_07.rawmk4	18_05.rawmk4	18_55.rawmk4	20_27.rawmk4	21_17.rawmk4
17_10.rawmk4	18_08.rawmk4	18_58.rawmk4	20_30.rawmk4	21_20.rawmk4
17_13.rawmk4	18_11.rawmk4	19_01.rawmk4	20_33.rawmk4	21_23.rawmk4
17_16.rawmk4	18_14.rawmk4	19_04.rawmk4	20_36.rawmk4	21_26.rawmk4
17_19.rawmk4	18_17.rawmk4	19_07.rawmk4	20_39.rawmk4	21_29.rawmk4
17_22.rawmk4	18_20.rawmk4	19_10.rawmk4	20_42.rawmk4	21_32.rawmk4
17_25.rawmk4	18_23.rawmk4	19_13.rawmk4	20_45.rawmk4	21_35.rawmk4
17_28.rawmk4	18_26.rawmk4	19_16.rawmk4	20_48.rawmk4	21_38.rawmk4
17_30.rawmk4	18_29.rawmk4	19_19.rawmk4	20_51.rawmk4	21_41.rawmk4
17_33.rawmk4	18_32.rawmk4	19_57.rawmk4	20_54.rawmk4	21_44.rawmk4
17_36.rawmk4	18_35.rawmk4	20_03.rawmk4	20_57.rawmk4	c19_54.rawmk4
17_39.rawmk4	18_38.rawmk4	20_09.rawmk4	21_00.rawmk4	c20_00.rawmk4
17_42.rawmk4	18_41.rawmk4	20_12.rawmk4	21_02.rawmk4	c20_06.rawmk4
17_45.rawmk4	18_44.rawmk4	20_15.rawmk4	21_05.rawmk4	