
Mauna Loa Solar Observatory Observer's Log

Mon Mar 4 17:06:24 GMT 2002

Year: 02 Doy: 063

Observer: yasukawa

WEATHER COMMENT: Mon Mar 4 17:07:28 GMT 2002

Cold, in thick, broken altostratus, south wind.

Mon Mar 4 18:51:08 GMT 2002 MKIV Start Patrol

Mon Mar 4 18:51:24 GMT 2002 CHIP Start Patrol

Mon Mar 4 18:51:33 GMT 2002 PICS Start Patrol

WEATHER COMMENT: Mon Mar 4 18:51:26 GMT 2002

Sun cleared altostratus cloud. Starting observations.

MKIV PROBLEM: Mon Mar 4 18:51:56 GMT 2002

Sky tx is 822.

WEATHER COMMENT: Mon Mar 4 18:57:54 GMT 2002

Scattered patches of thin cirrus.

Mon Mar 4 19:02:05 GMT 2002 CHIP LSD

PSPT COMMENT: Mon Mar 4 19:02:29 GMT 2002

Observation started.

Mon Mar 4 19:04:20 GMT 2002 CHIP End LSD

Mon Mar 4 19:04:35 GMT 2002 CHIP BiasLSD

Mon Mar 4 19:05:33 GMT 2002 CHIP End BiasLSD

Mon Mar 4 19:05:42 GMT 2002 CHIP Bias

Mon Mar 4 19:06:40 GMT 2002 CHIP End Bias

MKIV PROBLEM: Mon Mar 4 19:18:24 GMT 2002

Sky tx 927, spar guider still jumping around, turned AGC off.

Mon Mar 4 19:27:43 GMT 2002 MKIV Start Cal

Mon Mar 4 19:44:51 GMT 2002 PICS End Patrol

Mon Mar 4 19:46:39 GMT 2002 MKIV End Cal

Mon Mar 4 19:46:49 GMT 2002 MKIV Start Patrol

Mon Mar 4 19:53:46 GMT 2002 PICS Start Patrol

PICS COMMENT: Mon Mar 4 19:53:31 GMT 2002

Changed occulter size from #5 to #4 (1971 to 1981) as a result to Tom Holzer's assessment that the current size was OK but larger would be better.

MKIV PROBLEM: Mon Mar 4 19:57:10 GMT 2002

Sky tx is now 1007.

MKIV PROBLEM: Mon Mar 4 19:58:59 GMT 2002

Turned AGC back on.

MKIV PROBLEM: Mon Mar 4 20:04:53 GMT 2002

In looking at the sky tx problem, these are the things I see...

The optical path, except for a crack in the filter or lens at the front near one edge of the aperture, looks good. Filter dusted off. Optical path assessed from port near photocell mask.

Power supply to LM355Ns on guider compensation board #1 in guider chassis is +11.33 and -9.83 VDC (low?). Power supply probably OK (both + & - available).

Since the signal from the telescope arrive on board then go to the readout, to the AR11 (no longer connected), and to the spar guider AGC, and both the readout and AGC appear to be affected, the loss may be at the drivers in the telescope.

WEATHER COMMENT: Mon Mar 4 21:44:59 GMT 2002

In orographic clouds.

PSPT COMMENT: Mon Mar 4 21:45:13 GMT 2002

Stopped observations.

Mon Mar 4 22:04:31 GMT 2002 PICS End Patrol

Mon Mar 4 22:05:18 GMT 2002 CHIP End Patrol

Mon Mar 4 22:10:07 GMT 2002 MKIV End Patrol

MKIV COMMENT: Mon Mar 4 22:21:15 GMT 2002

Spar stowed with heating blanket installed and camera power on.

Mon Mar 4 22:22:08 GMT 2002

MkIV

18_51.rawmk4 19_36.rawmk4 20_19.rawmk4 21_00.rawmk4 21_39.rawmk4
18_54.rawmk4 19_43.rawmk4 20_22.rawmk4 21_04.rawmk4 21_45.rawmk4
18_57.rawmk4 19_46.rawmk4 20_25.rawmk4 21_07.rawmk4 21_49.rawmk4

19_00.rawmk4	19_49.rawmk4	20_28.rawmk4	21_10.rawmk4	21_52.rawmk4
19_02.rawmk4	19_52.rawmk4	20_31.rawmk4	21_13.rawmk4	21_55.rawmk4
19_05.rawmk4	19_55.rawmk4	20_33.rawmk4	21_15.rawmk4	21_58.rawmk4
19_08.rawmk4	19_58.rawmk4	20_36.rawmk4	21_18.rawmk4	22_00.rawmk4
19_11.rawmk4	20_01.rawmk4	20_39.rawmk4	21_21.rawmk4	22_03.rawmk4
19_14.rawmk4	20_04.rawmk4	20_42.rawmk4	21_24.rawmk4	22_06.rawmk4
19_17.rawmk4	20_07.rawmk4	20_45.rawmk4	21_27.rawmk4	c19_27.rawmk4
19_20.rawmk4	20_10.rawmk4	20_48.rawmk4	21_30.rawmk4	c19_33.rawmk4
19_23.rawmk4	20_13.rawmk4	20_51.rawmk4	21_33.rawmk4	c19_39.rawmk4
19_30.rawmk4	20_16.rawmk4	20_54.rawmk4	21_36.rawmk4	