
Mauna Loa Solar Observatory Observer's Log

Sun Jun 23 16:15:20 GMT 2013

Year: 13 Doy: 174

Observer: waters

WEATHER COMMENT: Sun Jun 23 16:16:48 GMT 2013

Windspeed 8mph from the Southeast and temp 50F. Cirrocumulus and altostratus covering most of the sky at present. Waiting to start instruments.

____end____

Sun Jun 23 17:31:08 GMT 2013 CHIP Start Patrol

Sun Jun 23 17:31:55 GMT 2013 CHIP End Patrol

Sun Jun 23 17:35:20 GMT 2013 CHIP Start Patrol

Sun Jun 23 17:36:08 GMT 2013 CHIP End Patrol

Sun Jun 23 17:36:49 GMT 2013 CHIP Start Patrol

Sun Jun 23 17:37:37 GMT 2013 CHIP End Patrol

NOTE BY LISA: Sun Jun 23 17:37:33 GMT 2013

Started Chip only to have more clouds roll in.

____end____

Sun Jun 23 17:56:59 GMT 2013 CHIP Start Patrol

Sun Jun 23 18:00:38 GMT 2013 CHIP LSD

Sun Jun 23 18:00:29 GMT 2013: PSPT Start Patrol

Sun Jun 23 18:02:26 GMT 2013 CHIP End LSD

Sun Jun 23 18:02:32 GMT 2013 CHIP BiasLSD

Sun Jun 23 18:03:21 GMT 2013 CHIP End BiasLSD

WEATHER COMMENT: Sun Jun 23 18:01:08 GMT 2013

Relatively thin cirrus, starting Chip and Pspt.

____end____

Sun Jun 23 18:03:31 GMT 2013 CHIP Bias

Sun Jun 23 18:04:08 GMT 2013 CHIP End Bias

Sun Jun 23 18:04:13 GMT 2013 CHIP ReStart Patrol

Sun Jun 23 18:09:25 GMT 2013: PSPT Abort Patrol

Sun Jun 23 18:10:41 GMT 2013 CHIP End Patrol

WEATHER COMMENT: Sun Jun 23 18:09:52 GMT 2013

Sucker hole; instruments idled.

____end____

Sun Jun 23 19:08:27 GMT 2013: PSPT Start Patrol

Sun Jun 23 19:09:40 GMT 2013 CHIP Start Patrol

WEATHER COMMENT: Sun Jun 23 19:09:34 GMT 2013

Thin cirrus; Chip and Pspt started.

____end____

Sun Jun 23 19:39:41 GMT 2013 CHIP End Patrol

Sun Jun 23 19:40:15 GMT 2013: PSPT Abort Patrol

WEATHER COMMENT: Sun Jun 23 19:40:50 GMT 2013

Thick clouds have rolled in; instruments idled.

____end____

Sun Jun 23 19:49:18 GMT 2013 CHIP Start Patrol

Sun Jun 23 19:49:06 GMT 2013: PSPT Start Patrol

WEATHER COMMENT: Sun Jun 23 19:49:24 GMT 2013
Cloud has thinned out a bit, Chip and Pspt restarted.
____end____
Sun Jun 23 20:01:08 GMT 2013 MKIV Start Patrol
NOTE BY LISA: Sun Jun 23 20:01:56 GMT 2013
Dome reconfigured.
____end____
Sun Jun 23 20:08:03 GMT 2013 COMP Start Patrol
NOTE BY LISA: Sun Jun 23 20:05:38 GMT 2013
Started Mk4 and Comp.
____end____
Sun Jun 23 20:09:56 GMT 2013 COMP End Patrol
NOTE BY LISA: Sun Jun 23 20:12:10 GMT 2013
Patches of thin cirrus are degrading images. Mk4 and Comp idled.
____end____
Sun Jun 23 20:14:17 GMT 2013 MKIV End Patrol
Sun Jun 23 21:01:36 GMT 2013 MKIV Start Patrol
Sun Jun 23 21:02:12 GMT 2013 COMP Start Patrol
Sun Jun 23 21:03:45 GMT 2013 COMP End Patrol
NOTE BY LISA: Sun Jun 23 21:10:35 GMT 2013
Tried to start Mk4 but it was just a sucker hole.
____end____
Sun Jun 23 21:27:17 GMT 2013 MKIV Start Patrol
Sun Jun 23 21:28:04 GMT 2013 COMP Start Patrol
NOTE BY LISA: Sun Jun 23 21:28:55 GMT 2013
Restarted Mk4 and Comp.
____end____
Sun Jun 23 21:42:43 GMT 2013 COMP End Patrol
WEATHER COMMENT: Sun Jun 23 21:42:22 GMT 2013
Cirrus degrading images, Mk4 and Comp idled.
____end____
Sun Jun 23 21:45:50 GMT 2013 MKIV End Patrol
Sun Jun 23 22:01:36 GMT 2013 MKIV Start Patrol
Sun Jun 23 22:01:51 GMT 2013 COMP Start Patrol
NOTE BY LISA: Sun Jun 23 22:01:53 GMT 2013
Mk4 and Comp restarted.
____end____
Sun Jun 23 22:19:45 GMT 2013 MKIV End Patrol
Sun Jun 23 22:19:53 GMT 2013 MKIV Start Cal
Sun Jun 23 22:23:14 GMT 2013: PSPT Start Patrol
Sun Jun 23 22:31:42 GMT 2013: PSPT Abort Patrol
Sun Jun 23 22:38:36 GMT 2013 MKIV End Cal
Sun Jun 23 22:38:41 GMT 2013 MKIV Start Patrol
NOTE BY LISA: Sun Jun 23 22:51:15 GMT 2013
Comp and Chip were occulted by the dome.
____end____
Sun Jun 23 22:53:22 GMT 2013: PSPT Start Patrol
PSPT PROBLEM COMMENT BY LISA: Sun Jun 23 22:53:41 GMT 2013

Pspt couldn't get past vertical. Did a shut down and exercised the clutch. Most likely didn't help. Retightened clutch and initiated start up. Was able to find the sun this time.

____end____

Sun Jun 23 23:01:46 GMT 2013 CHIP LSD
Sun Jun 23 23:03:28 GMT 2013 CHIP End LSD
Sun Jun 23 23:03:37 GMT 2013 CHIP BiasLSD
Sun Jun 23 23:04:14 GMT 2013 CHIP End BiasLSD
Sun Jun 23 23:04:27 GMT 2013 CHIP Bias
Sun Jun 23 23:05:04 GMT 2013 CHIP End Bias
Sun Jun 23 23:05:11 GMT 2013 CHIP ReStart Patrol

MKIV COMMENT BY LISA: Sun Jun 23 23:19:04 GMT 2013

I'm not exactly sure what is causing the wave pattern in the data. Windspeed d is 9-14mph from the North-Northeast. Sky is clear.

____end____

Mon Jun 24 01:01:04 GMT 2013: PSPT Abort Patrol
Mon Jun 24 01:01:17 GMT 2013: PSPT Start Patrol
Mon Jun 24 01:01:38 GMT 2013 COMP End Patrol
Mon Jun 24 01:01:40 GMT 2013 COMP Start Patrol
Mon Jun 24 01:25:31 GMT 2013 COMP End Patrol
Mon Jun 24 01:25:40 GMT 2013 MKIV End Patrol
Mon Jun 24 01:26:42 GMT 2013 CHIP End Patrol
Mon Jun 24 01:26:34 GMT 2013: PSPT Abort Patrol

NOTE BY LISA: Mon Jun 24 01:28:36 GMT 2013

The declination completely dropped out. The dome might have occulted the sensor.

____end____

Mon Jun 24 01:39:11 GMT 2013

MkIV

00_02.rawmk4	00_49.rawmk4	21_01.rawmk4	22_38.rawmk4	23_33.rawmk4
00_05.rawmk4	00_52.rawmk4	21_04.rawmk4	22_41.rawmk4	23_36.rawmk4
00_08.rawmk4	00_55.rawmk4	21_27.rawmk4	22_47.rawmk4	23_39.rawmk4
00_11.rawmk4	00_58.rawmk4	21_30.rawmk4	22_51.rawmk4	23_42.rawmk4
00_14.rawmk4	01_01.rawmk4	21_33.rawmk4	22_54.rawmk4	23_45.rawmk4
00_17.rawmk4	01_04.rawmk4	21_36.rawmk4	22_57.rawmk4	23_48.rawmk4
00_20.rawmk4	01_07.rawmk4	21_39.rawmk4	23_00.rawmk4	23_51.rawmk4
00_23.rawmk4	01_10.rawmk4	22_01.rawmk4	23_03.rawmk4	23_53.rawmk4
00_26.rawmk4	01_13.rawmk4	22_04.rawmk4	23_06.rawmk4	23_56.rawmk4
00_29.rawmk4	01_16.rawmk4	22_07.rawmk4	23_09.rawmk4	23_59.rawmk4
00_32.rawmk4	01_19.rawmk4	22_10.rawmk4	23_11.rawmk4	c22_19.rawmk4
00_35.rawmk4	01_22.rawmk4	22_13.rawmk4	23_17.rawmk4	c22_26.rawmk4
00_38.rawmk4	20_01.rawmk4	22_16.rawmk4	23_21.rawmk4	c22_32.rawmk4
00_40.rawmk4	20_05.rawmk4	22_22.rawmk4	23_24.rawmk4	
00_43.rawmk4	20_08.rawmk4	22_29.rawmk4	23_27.rawmk4	
00_46.rawmk4	20_11.rawmk4	22_35.rawmk4	23_30.rawmk4	