

-----  
Mauna Loa Solar Observatory Observer's Log  
-----

Mon Jul 15 16:13:51 GMT 2002

Year: 02 Doy: 196

Observer: yasukawa

WEATHER COMMENT: Mon Jul 15 16:14:05 GMT 2002

Cool, clear, no wind.

Mon Jul 15 16:24:21 GMT 2002 CHIP Start Patrol

Mon Jul 15 16:24:37 GMT 2002 MKIV Start Patrol

Mon Jul 15 16:24:33 GMT 2002 PICS Start Patrol

\*\*MKIV PROBLEM\*\*: Mon Jul 15 16:36:25 GMT 2002

Turned O1 guider off for the day to test if it is causing the streamer jitters.

PSPT COMMENT: Mon Jul 15 16:39:48 GMT 2002

Starting daily observations.

\*\*PSPT PROBLEM\*\*: Mon Jul 15 16:40:04 GMT 2002

PSPT PC's power supply cooling fan sounds noisy. Bearings may be getting flaky. Will wait for cloudy day to replace fan with one from spare PC power supplies if one of them fit the mounting arrangement.

\*\*PSPT PROBLEM\*\*: Mon Jul 15 16:50:09 GMT 2002

Spar started up pointed close to sun--image partially on display.

Starting Daily obs caused the spar to move away from centering--image completely off display. Aborted observations. Run Centering Image routine.

PSPT COMMENT: Mon Jul 15 16:51:54 GMT 2002

Restarting daily observations.

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Mon Jul 15 16:55:15 GMT 2002

Mon Jul 15 18:00:36 GMT 2002 MKIV End Patrol

Mon Jul 15 18:00:41 GMT 2002 MKIV Start Cal

Mon Jul 15 18:03:18 GMT 2002 PICS Flat

Mon Jul 15 18:06:22 GMT 2002 PICS End Flat

Mon Jul 15 18:19:25 GMT 2002 MKIV End Cal

Mon Jul 15 18:19:34 GMT 2002 MKIV Start Patrol

Mon Jul 15 19:00:50 GMT 2002 CHIP LSD

Mon Jul 15 19:03:13 GMT 2002 CHIP End LSD

Mon Jul 15 19:03:22 GMT 2002 CHIP BiasLSD

Mon Jul 15 19:04:23 GMT 2002 CHIP End BiasLSD

Mon Jul 15 19:04:39 GMT 2002 CHIP Bias

Mon Jul 15 19:05:39 GMT 2002 CHIP End Bias

\*\*MKIV PROBLEM\*\*: Mon Jul 15 19:18:14 GMT 2002

It is almost 1930 UT, except for one gif image at 1846 Ut where the entire image is shifted by a few degrees (rotated), the streamers look quite stable with the O1 guider turned off. The moving streamers and changing brightness has not appeared.

\*\*PSPT PROBLEM\*\*: Mon Jul 15 19:24:12 GMT 2002

PC power supply noise has faded now. I do not detect it any more. Fan is still running.

Mon Jul 15 19:43:38 GMT 2002 CHIP End Patrol

COMMENT: Mon Jul 15 19:43:50 GMT 2002

Stopping to reconfigure dome shutter.

Mon Jul 15 19:43:57 GMT 2002 PICS End Patrol

Mon Jul 15 19:48:08 GMT 2002 MKIV End Patrol

Mon Jul 15 19:52:40 GMT 2002 MKIV Start Patrol

Mon Jul 15 19:52:57 GMT 2002 CHIP Start Patrol

COMMENT: Mon Jul 15 19:54:11 GMT 2002

I removed the camcorder which had slipped out of the clamp at some time this morning. Clamp was on the floor and the camcorder was hanging by the power cord, which I had tied up to toe spar structure as a strain relief and as a safety measure. Removed duct tape that was holding the various cables blocking the view of the cam mechanisms out of the way. Spar was jarred off the sun during the removal process. Started observations before pointing was corrected.

Mon Jul 15 20:14:46 GMT 2002 PICS Start Patrol

**\*\*PICS PROBLEM\*\***: Mon Jul 15 20:14:36 GMT 2002

rats! cursor missed the Patrol button. PICS did not start up after the dome reconfiguration.

WEATHER COMMENT: Mon Jul 15 20:40:39 GMT 2002

Scattered orographic clouds forming above.

PSPT COMMENT: Mon Jul 15 20:41:56 GMT 2002

Spar pointed south. Looks like it went cloud chasing.

Stopped PSPT observations.

**\*\*\*\* EVENT COMMENT \*\*\*\***: Mon Jul 15 21:10:29 GMT 2002

Large active region on disk, north of equator, near CMP, erupted beginning at around 2000 UT.

Mon Jul 15 21:29:47 GMT 2002 CHIP End Patrol

Mon Jul 15 21:33:31 GMT 2002 PICS End Patrol

Mon Jul 15 21:34:23 GMT 2002 PICS Start Patrol

Mon Jul 15 21:35:06 GMT 2002 PICS End Patrol

**\*\*MKIV PROBLEM\*\***: Mon Jul 15 21:41:28 GMT 2002

Turning O1 guider back on for tomorrow. Looks like intermittent oscillations in the O1 steering may have been causing the moving streamers--I did not see much evidence of them today with the guider off. If they return tomorrow then I'd say it was not the lens cleaning (the only change before turning the guider off--highly improbable cause, though...) that was causing the streamer movement.

Mon Jul 15 21:46:18 GMT 2002

MkIV

16_24.rawmk4	17_14.rawmk4	18_22.rawmk4	19_12.rawmk4	20_07.rawmk4
16_27.rawmk4	17_17.rawmk4	18_25.rawmk4	19_15.rawmk4	20_10.rawmk4
16_30.rawmk4	17_20.rawmk4	18_28.rawmk4	19_18.rawmk4	20_13.rawmk4
16_33.rawmk4	17_26.rawmk4	18_31.rawmk4	19_21.rawmk4	20_16.rawmk4
16_36.rawmk4	17_30.rawmk4	18_34.rawmk4	19_24.rawmk4	20_19.rawmk4
16_39.rawmk4	17_33.rawmk4	18_37.rawmk4	19_27.rawmk4	20_22.rawmk4
16_42.rawmk4	17_36.rawmk4	18_40.rawmk4	19_30.rawmk4	20_25.rawmk4
16_45.rawmk4	17_39.rawmk4	18_43.rawmk4	19_33.rawmk4	20_27.rawmk4

16_48.rawmk4	17_42.rawmk4	18_46.rawmk4	19_36.rawmk4	20_30.rawmk4
16_51.rawmk4	17_45.rawmk4	18_48.rawmk4	19_39.rawmk4	20_33.rawmk4
16_54.rawmk4	17_48.rawmk4	18_51.rawmk4	19_41.rawmk4	20_39.rawmk4
16_57.rawmk4	17_50.rawmk4	18_54.rawmk4	19_44.rawmk4	20_43.rawmk4
17_00.rawmk4	17_53.rawmk4	18_57.rawmk4	19_52.rawmk4	20_46.rawmk4
17_02.rawmk4	18_03.rawmk4	19_00.rawmk4	19_55.rawmk4	20_49.rawmk4
17_05.rawmk4	18_09.rawmk4	19_03.rawmk4	19_58.rawmk4	c18_00.rawmk4
17_08.rawmk4	18_16.rawmk4	19_06.rawmk4	20_01.rawmk4	c18_06.rawmk4
17_11.rawmk4	18_19.rawmk4	19_09.rawmk4	20_04.rawmk4	c18_12.rawmk4