

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

Wed Jun 28 16:19:24 GMT 2006

Year: 06 Doy: 179

Observer: yasukawa

WEATHER COMMENT: Wed Jun 28 16:21:34 GMT 2006

In broken, thick altostratus and cirrus overcast, SE wind 11 mph, temp 48 F.

\_\_\_\_end\_\_\_\_

**\*\*PSPT PROBLEM\*\***: Wed Jun 28 16:56:08 GMT 2006

After addition of two more washers to increase ND tilt in front of new "N" filter in the old "S" position (-200, -6200 to locate filter at hatch), Mark saw no change in the secondary image he was seeing. As a test, I removed all of the washers (9 total) to eliminate ND tilt. Once clouds clear away and we can make PSPT observations, Mark can check the new "N" images to see if the secondary image moves, if there is another secondary image that the tilt did get rid of and the one he was seeing with the tilt applied is a result of the "N" filter itself.

\_\_\_\_end\_\_\_\_

WEATHER COMMENT: Wed Jun 28 17:25:06 GMT 2006

Most of heavy stuff broke up. Starting observations.

\_\_\_\_end\_\_\_\_

SBM COMMENT: Wed Jun 28 17:25:40 GMT 2006

Observing

\_\_\_\_end\_\_\_\_

PSPT COMMENT: Wed Jun 28 17:25:49 GMT 2006

Starting up.

\_\_\_\_end\_\_\_\_

Wed Jun 28 17:26:19 GMT 2006 MKIV Start Patrol

Wed Jun 28 17:26:18 GMT 2006 CHIP Start Patrol

Wed Jun 28 17:26:30 GMT 2006 PICS Start Patrol

PSPT COMMENT: Wed Jun 28 17:54:31 GMT 2006

Observing.

\_\_\_\_end\_\_\_\_

Wed Jun 28 18:00:13 GMT 2006 PICS Flat

Wed Jun 28 18:01:54 GMT 2006 MKIV End Patrol

Wed Jun 28 18:01:59 GMT 2006 MKIV Start Cal

Wed Jun 28 18:02:29 GMT 2006 PICS End Flat

Wed Jun 28 18:02:36 GMT 2006 PICS ReStart Patrol

Wed Jun 28 18:02:50 GMT 2006 CHIP LSD

Wed Jun 28 18:04:34 GMT 2006 CHIP End LSD

Wed Jun 28 18:04:42 GMT 2006 CHIP BiasLSD

Wed Jun 28 18:05:24 GMT 2006 CHIP End BiasLSD

Wed Jun 28 18:05:32 GMT 2006 CHIP Bias

Wed Jun 28 18:06:14 GMT 2006 CHIP End Bias

Wed Jun 28 18:06:21 GMT 2006 CHIP ReStart Patrol

**\*\*MKIV PROBLEM\*\***: Wed Jun 28 18:06:38 GMT 2006

Calibration routine appears stalled, this time waiting to start 0-tilt.

Previous stalls were after 15-tilt when tilt plate out command timed out after pulling plate out. May be faulty HEI switch in the out position.

\_\_\_\_end\_\_\_\_

\*\*MKIV PROBLEM\*\* : Wed Jun 28 18:14:19 GMT 2006

Problem, this time, appears to be opal in/out problem. Will check things out later.

\_\_\_\_end\_\_\_\_

\*\*MKIV PROBLEM\*\* : Wed Jun 28 18:16:53 GMT 2006

Checked opal status during 15-tilt, it is out. Should be in.

\_\_\_\_end\_\_\_\_

Wed Jun 28 18:27:29 GMT 2006 MKIV End Cal

Wed Jun 28 18:30:22 GMT 2006 MKIV Start Patrol

NICE MK4 IMAGE: 1817

NICE CHIP IMAGE: 1818

NICE PICSLIMB IMAGE: 1818

NICE PICSDISC IMAGE: 1817

Wed Jun 28 19:32:10 GMT 2006 CHIP End Patrol

COMMENT: Wed Jun 28 19:32:23 GMT 2006

Reconfiguring dome shutter.

\_\_\_\_end\_\_\_\_

Wed Jun 28 19:33:11 GMT 2006 PICS End Patrol

Wed Jun 28 19:35:12 GMT 2006 MKIV End Patrol

Wed Jun 28 19:40:57 GMT 2006 MKIV Start Patrol

Wed Jun 28 19:41:14 GMT 2006 CHIP Start Patrol

Wed Jun 28 19:41:24 GMT 2006 PICS Start Patrol

Wed Jun 28 20:28:26 GMT 2006 MKIV End Patrol

Wed Jun 28 20:33:27 GMT 2006 MKIV Start Patrol

WEATHER COMMENT: Wed Jun 28 21:41:57 GMT 2006

Back in thick overcast.

\_\_\_\_end\_\_\_\_

Wed Jun 28 21:42:18 GMT 2006 CHIP End Patrol

Wed Jun 28 21:42:31 GMT 2006 PICS End Patrol

Wed Jun 28 21:44:10 GMT 2006 MKIV End Patrol

COMMENT: Wed Jun 28 21:42:42 GMT 2006

Shutting down. Going down to Hilo to represent MLSO at NOAA/Mauna Loa Observatory's 50th Anniversary event at their new Hilo facility.

\_\_\_\_end\_\_\_\_

Wed Jun 28 22:04:05 GMT 2006

MkIV

17_26.rawmk4	18_33.rawmk4	19_20.rawmk4	20_13.rawmk4	21_05.rawmk4
17_29.rawmk4	18_36.rawmk4	19_23.rawmk4	20_16.rawmk4	21_08.rawmk4
17_32.rawmk4	18_39.rawmk4	19_26.rawmk4	20_19.rawmk4	21_11.rawmk4
17_35.rawmk4	18_42.rawmk4	19_29.rawmk4	20_22.rawmk4	21_14.rawmk4
17_38.rawmk4	18_45.rawmk4	19_32.rawmk4	20_25.rawmk4	21_17.rawmk4
17_41.rawmk4	18_47.rawmk4	19_40.rawmk4	20_33.rawmk4	21_20.rawmk4
17_44.rawmk4	18_50.rawmk4	19_43.rawmk4	20_36.rawmk4	21_23.rawmk4
17_46.rawmk4	18_53.rawmk4	19_46.rawmk4	20_39.rawmk4	21_26.rawmk4

17_49.rawmk4	18_56.rawmk4	19_49.rawmk4	20_42.rawmk4	21_29.rawmk4
17_52.rawmk4	18_59.rawmk4	19_52.rawmk4	20_45.rawmk4	21_32.rawmk4
17_55.rawmk4	19_02.rawmk4	19_55.rawmk4	20_48.rawmk4	21_35.rawmk4
17_58.rawmk4	19_05.rawmk4	19_58.rawmk4	20_51.rawmk4	21_38.rawmk4
18_11.rawmk4	19_08.rawmk4	20_01.rawmk4	20_53.rawmk4	21_40.rawmk4
18_17.rawmk4	19_11.rawmk4	20_04.rawmk4	20_56.rawmk4	c18_02.rawmk4
18_24.rawmk4	19_14.rawmk4	20_07.rawmk4	20_59.rawmk4	c18_14.rawmk4
18_30.rawmk4	19_17.rawmk4	20_10.rawmk4	21_02.rawmk4	c18_21.rawmk4