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Mauna Loa Solar Observatory Observer's Log  
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Wed Apr 28 16:36:43 GMT 2004

Year: 04 Doy: 119

Observer: yasukawa

WEATHER COMMENT: Wed Apr 28 16:39:38 GMT 2004

Clear, 40 F, SW breeze 7 mph.

Wed Apr 28 16:45:14 GMT 2004 CHIP Start Patrol

Wed Apr 28 16:45:25 GMT 2004 PICS Start Patrol

ECHO COMMENT: Wed Apr 28 16:45:40 GMT 2004

Time OK.

PSPT COMMENT: Wed Apr 28 16:45:51 GMT 2004

Starting up.

MKIV COMMENT: Wed Apr 28 16:48:21 GMT 2004

Centering O1.

Wed Apr 28 16:49:09 GMT 2004 MKIV Start Patrol

PSPT COMMENT: Wed Apr 28 16:49:28 GMT 2004

Observing.

\*\*ECHO PROBLEM\*\*: Wed Apr 28 16:55:58 GMT 2004

No image on display. Turret pointing west. Doing partial shutdown sequence to reset program.

\*\*ECHO PROBLEM\*\*: Wed Apr 28 17:14:52 GMT 2004

HA not moving turret, still pointing west.

\*\*\*\* EVENT COMMENT \*\*\*\*: Wed Apr 28 17:27:27 GMT 2004

EPL at PA 230-240 from start-up this morning. EPL also visible in coronal images.

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Wed Apr 28 17:30:13 GMT 2004

WEATHER COMMENT: Wed Apr 28 17:38:25 GMT 2004

Wind currently blowing substantial construction dust away from station.

Wind W @ 8 mph.

Wed Apr 28 18:00:43 GMT 2004 CHIP LSD

Wed Apr 28 18:02:29 GMT 2004 CHIP End LSD

Wed Apr 28 18:02:41 GMT 2004 CHIP BiasLSD

Wed Apr 28 18:03:09 GMT 2004 PICS Flat

Wed Apr 28 18:03:40 GMT 2004 CHIP End BiasLSD

Wed Apr 28 18:03:48 GMT 2004 CHIP Bias

Wed Apr 28 18:04:40 GMT 2004 CHIP End Bias

\*\*\*\* EVENT COMMENT \*\*\*\*: Wed Apr 28 18:04:46 GMT 2004

Shock front visible in coronal images ahead of visible EPL.

Wed Apr 28 18:05:33 GMT 2004 PICS End Flat

MKIV COMMENT: Wed Apr 28 18:08:42 GMT 2004

Centered O1.

MKIV COMMENT: Wed Apr 28 19:10:24 GMT 2004

Centered O1.

Wed Apr 28 19:11:30 GMT 2004 MKIV Start Cal

Wed Apr 28 19:30:11 GMT 2004 MKIV End Cal

Wed Apr 28 19:30:16 GMT 2004 MKIV Start Patrol

**\*\*ECHO PROBLEM\*\***: Wed Apr 28 20:04:30 GMT 2004

ECHO is observing again.

Tests using SX control, moving HA in at first small steps then in larger steps indicated that the motor and encoder was not broken. Restarted echosys program but HA did not move from the test position which was around 49 degrees (still west, but higher elevation). Moved HA to 1000 steps, near zenith, and turret moved to almost straight up, paused, and then moved to correct HA. Restarted echosys and started taking data. Guider acquired sun and centered image within 3 cycles.

COMMENT: Wed Apr 28 20:10:34 GMT 2004

domed out. Reconfiguring dome shutter.

Wed Apr 28 20:10:41 GMT 2004 PICS End Patrol

Wed Apr 28 20:10:45 GMT 2004 CHIP End Patrol

Wed Apr 28 20:11:44 GMT 2004 MKIV End Patrol

Wed Apr 28 20:17:01 GMT 2004 MKIV Start Patrol

Wed Apr 28 20:17:22 GMT 2004 CHIP Start Patrol

Wed Apr 28 20:17:33 GMT 2004 PICS Start Patrol

MKIV COMMENT: Wed Apr 28 20:25:50 GMT 2004

Centered O1.

Wed Apr 28 21:52:09 GMT 2004 CHIP End Patrol

Wed Apr 28 21:52:47 GMT 2004 PICS End Patrol

WEATHER COMMENT: Wed Apr 28 21:53:01 GMT 2004

Wind shifted quite suddenly and heavy clouds moved over station from the northeast. Clouds were quite low and wind shift would also bring up deisel exhaust and fine dust from the earth moving. Closed domes immediately. Pausing instruments.

Wed Apr 28 21:58:10 GMT 2004 MKIV End Patrol

Wed Apr 28 22:34:44 GMT 2004 MKIV Start Patrol

MKIV COMMENT: Wed Apr 28 22:34:47 GMT 2004

Centered O1.

Wed Apr 28 22:34:50 GMT 2004 CHIP Start Patrol

Wed Apr 28 22:34:55 GMT 2004 PICS Start Patrol

WEATHER COMMENT: Wed Apr 28 22:34:56 GMT 2004

Wind shifted. Opened domes as clouds receded a bit. In scattered stuff but not a threat to the O1s at this time. Resuming observations.

MKIV COMMENT: Wed Apr 28 23:42:17 GMT 2004

Centered O1.

**\*\*CHIP PROBLEM\*\***: Thu Apr 29 00:05:10 GMT 2004

CHIP domed out. Clouds may have disabled ADR just as its sensor transitioned into the dome shadow.

Thu Apr 29 01:03:24 GMT 2004 CHIP End Patrol

COMMENT: Thu Apr 29 01:03:33 GMT 2004

Reconfiguring dome shutter.

Thu Apr 29 01:03:42 GMT 2004 PICS End Patrol

Thu Apr 29 01:08:08 GMT 2004 MKIV End Patrol

Thu Apr 29 01:13:06 GMT 2004 MKIV Start Patrol

Thu Apr 29 01:13:13 GMT 2004 CHIP Start Patrol

Thu Apr 29 01:13:18 GMT 2004 PICS Start Patrol

GONG COMMENT: Thu Apr 29 01:36:49 GMT 2004

Cleaned turret window as requested by gong\_ops.

Thu Apr 29 02:33:41 GMT 2004 CHIP End Patrol

Thu Apr 29 02:33:49 GMT 2004 PICS End Patrol

Thu Apr 29 02:36:33 GMT 2004 MKIV End Patrol

Thu Apr 29 02:43:47 GMT 2004

MkIV

00_02.rawmk4	01_54.rawmk4	17_56.rawmk4	19_53.rawmk4	21_49.rawmk4
00_05.rawmk4	01_57.rawmk4	17_59.rawmk4	19_56.rawmk4	21_51.rawmk4
00_08.rawmk4	02_00.rawmk4	18_02.rawmk4	19_59.rawmk4	21_54.rawmk4
00_11.rawmk4	02_06.rawmk4	18_05.rawmk4	20_02.rawmk4	22_34.rawmk4
00_14.rawmk4	02_09.rawmk4	18_08.rawmk4	20_05.rawmk4	22_37.rawmk4
00_17.rawmk4	02_12.rawmk4	18_11.rawmk4	20_08.rawmk4	22_40.rawmk4
00_20.rawmk4	02_15.rawmk4	18_14.rawmk4	20_17.rawmk4	22_43.rawmk4
00_23.rawmk4	02_18.rawmk4	18_17.rawmk4	20_19.rawmk4	22_46.rawmk4
00_26.rawmk4	02_21.rawmk4	18_20.rawmk4	20_22.rawmk4	22_49.rawmk4
00_29.rawmk4	02_24.rawmk4	18_23.rawmk4	20_25.rawmk4	22_52.rawmk4
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00_35.rawmk4	02_30.rawmk4	18_29.rawmk4	20_31.rawmk4	22_58.rawmk4
00_38.rawmk4	02_33.rawmk4	18_32.rawmk4	20_37.rawmk4	23_01.rawmk4
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00_44.rawmk4	16_52.rawmk4	18_38.rawmk4	20_44.rawmk4	23_07.rawmk4
00_47.rawmk4	16_55.rawmk4	18_41.rawmk4	20_47.rawmk4	23_10.rawmk4
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01_45.rawmk4	17_48.rawmk4	19_44.rawmk4	21_40.rawmk4	c19_11.rawmk4
01_48.rawmk4	17_51.rawmk4	19_47.rawmk4	21_43.rawmk4	c19_17.rawmk4
01_51.rawmk4	17_53.rawmk4	19_50.rawmk4	21_46.rawmk4	c19_23.rawmk4