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Mauna Loa Solar Observatory Observer's Log  
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Fri May 30 16:19:09 GMT 2003

Year: 03 Doy: 150

Observer: yasukawa

WEATHER COMMENT: Fri May 30 16:19:28 GMT 2003

Cool, in broken cirrus, south wind.

Fri May 30 16:30:31 GMT 2003 CHIP Start Patrol

Fri May 30 16:30:43 GMT 2003 PICS Start Patrol

PSPT COMMENT: Fri May 30 16:45:35 GMT 2003

Observing.

WEATHER COMMENT: Fri May 30 17:08:52 GMT 2003

Sun climbing out of thin cirrostratus.

Fri May 30 17:09:22 GMT 2003 MKIV Start Patrol

MKIV COMMENT: Fri May 30 17:09:26 GMT 2003

Centered O1 before starting patrol.

WEATHER COMMENT: Fri May 30 17:47:17 GMT 2003

Passing cirrus.

Fri May 30 18:00:52 GMT 2003 CHIP LSD

Fri May 30 18:02:47 GMT 2003 CHIP End LSD

Fri May 30 18:02:57 GMT 2003 PICS Flat

Fri May 30 18:03:01 GMT 2003 CHIP BiasLSD

Fri May 30 18:04:07 GMT 2003 CHIP End BiasLSD

Fri May 30 18:04:21 GMT 2003 CHIP Bias

Fri May 30 18:05:18 GMT 2003 CHIP End Bias

Fri May 30 18:05:33 GMT 2003 PICS End Flat

WEATHER COMMENT: Fri May 30 19:02:45 GMT 2003

"clear" hole.

MKIV COMMENT: Fri May 30 19:04:08 GMT 2003

Centered O1.

Fri May 30 19:07:28 GMT 2003 MKIV End Patrol

Fri May 30 19:07:39 GMT 2003 MKIV Start Cal

\*\*PSPT PROBLEM\*\*: Fri May 30 19:12:16 GMT 2003

Crashed at 1828 UT in Photo Data, (3/3) Taking CaK image.

Killed/restarted.

Fri May 30 19:26:26 GMT 2003 MKIV End Cal

COMMENT: Fri May 30 19:26:29 GMT 2003

Stopping to reconfigure dome shutter.

MKIV COMMENT: Fri May 30 19:26:46 GMT 2003

Centered O1.

Fri May 30 19:26:47 GMT 2003 CHIP End Patrol

Fri May 30 19:27:22 GMT 2003 PICS End Patrol

Fri May 30 19:32:29 GMT 2003 MKIV Start Patrol

Fri May 30 19:32:44 GMT 2003 CHIP Start Patrol

Fri May 30 19:32:55 GMT 2003 PICS Start Patrol

MKIV COMMENT: Fri May 30 20:33:09 GMT 2003

Centered O1.

WEATHER COMMENT: Fri May 30 21:13:20 GMT 2003

Orographic clouds are beginning to form around station.

WEATHER COMMENT: Fri May 30 21:41:20 GMT 2003

In broken orographic clouds.

PSPT COMMENT: Fri May 30 21:49:21 GMT 2003

Stopped observations -- in clouds.

Fri May 30 21:49:58 GMT 2003 MKIV End Patrol

Fri May 30 21:58:06 GMT 2003 CHIP End Patrol

Fri May 30 21:58:25 GMT 2003 PICS End Patrol

WEATHER COMMENT: Fri May 30 22:24:01 GMT 2003

Orographic clouds heavy, closing domes as a precaution.

\*\*PSPT PROBLEM\*\*: Fri May 30 22:27:24 GMT 2003

PSPT dome may be slightly out of round. When I closed dome with slot facing east, there were groaning sounds and it appeared that the motor was

\*\*PSPT PROBLEM\*\*: Fri May 30 22:29:43 GMT 2003

The PSPT dome may be out-of-round slightly. When closing the shutter with the slot facing east, there wer groaing noises, probably coming from the roller bearings or the side tracks. The motor stalled at the very end of travel and there appeared to be about an inch or inch-an-a-half gap between the

shutter and the flap (covered by shutter overhang lip). I could hear the motor still trying to overcome torque (hum, no turning). Turned motor off quickly. I rotated dome to normal stow position, slot facing south, and opened and closed dome. Dome shutter went up and down OK, closed all the way to contact with the flap. I recall that I closed dome as a precaution with the slot facing east on DOY 136, the day the motor burned. The motor did not drive the slot all the way down to contact the flap that day, either.

Until we can determine what is causing the binding when facing east and fix the problem I suggest we do a Shutdown before closing dome so that the dome is in stow azimuth, or in an emergency dome closure due to fog or rain, the observer needs to stay with the switch so that he can turn it off as soon as the motor stalls.

WEATHER COMMENT: Sat May 31 01:45:00 GMT 2003

Still in heavy orographic clouds. Shutting down.

Sat May 31 01:45:28 GMT 2003

MkIV

17_09.rawmk4	18_02.rawmk4	18_55.rawmk4	20_08.rawmk4	21_05.rawmk4
17_12.rawmk4	18_05.rawmk4	18_58.rawmk4	20_14.rawmk4	21_08.rawmk4
17_15.rawmk4	18_08.rawmk4	19_01.rawmk4	20_18.rawmk4	21_11.rawmk4
17_18.rawmk4	18_11.rawmk4	19_04.rawmk4	20_21.rawmk4	21_14.rawmk4
17_21.rawmk4	18_14.rawmk4	19_10.rawmk4	20_24.rawmk4	21_17.rawmk4
17_24.rawmk4	18_17.rawmk4	19_16.rawmk4	20_27.rawmk4	21_20.rawmk4
17_27.rawmk4	18_20.rawmk4	19_22.rawmk4	20_30.rawmk4	21_23.rawmk4
17_30.rawmk4	18_22.rawmk4	19_35.rawmk4	20_33.rawmk4	21_26.rawmk4
17_33.rawmk4	18_25.rawmk4	19_39.rawmk4	20_36.rawmk4	21_28.rawmk4
17_35.rawmk4	18_28.rawmk4	19_42.rawmk4	20_39.rawmk4	21_31.rawmk4
17_38.rawmk4	18_31.rawmk4	19_45.rawmk4	20_41.rawmk4	21_34.rawmk4
17_41.rawmk4	18_34.rawmk4	19_48.rawmk4	20_44.rawmk4	21_37.rawmk4
17_44.rawmk4	18_37.rawmk4	19_51.rawmk4	20_47.rawmk4	21_40.rawmk4
17_47.rawmk4	18_40.rawmk4	19_53.rawmk4	20_50.rawmk4	21_43.rawmk4
17_50.rawmk4	18_43.rawmk4	19_56.rawmk4	20_53.rawmk4	21_46.rawmk4
17_53.rawmk4	18_46.rawmk4	19_59.rawmk4	20_56.rawmk4	c19_07.rawmk4
17_56.rawmk4	18_49.rawmk4	20_02.rawmk4	20_59.rawmk4	c19_13.rawmk4
17_59.rawmk4	18_52.rawmk4	20_05.rawmk4	21_02.rawmk4	c19_19.rawmk4