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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.
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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

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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
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