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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
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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