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Mauna Loa Solar Observatory Observer's Log  
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Wed Jan 14 17:33:28 GMT 2004

Year: 04 Doy: 014

Observer: yasukawa

WEATHER COMMENT: Wed Jan 14 17:33:36 GMT 2004

Cold, clear, SW wind 20-40 mph.

PSPT COMMENT: Wed Jan 14 17:38:51 GMT 2004

Start up.

Wed Jan 14 17:39:22 GMT 2004 CHIP Start Patrol

Wed Jan 14 17:39:35 GMT 2004 PICS Start Patrol

ECHO COMMENT: Wed Jan 14 17:43:05 GMT 2004

ECHO guiding on sun, time OK.

PSPT COMMENT: Wed Jan 14 17:47:01 GMT 2004

observing.

MKIV COMMENT: Wed Jan 14 17:54:23 GMT 2004

Centering O1, mk4 clearing dome cylinder.

Wed Jan 14 17:54:53 GMT 2004 MKIV Start Patrol

Wed Jan 14 18:00:52 GMT 2004 CHIP LSD

Wed Jan 14 18:02:49 GMT 2004 CHIP End LSD

Wed Jan 14 18:03:00 GMT 2004 CHIP BiasLSD

Wed Jan 14 18:03:54 GMT 2004 CHIP End BiasLSD

Wed Jan 14 18:04:12 GMT 2004 CHIP Bias

Wed Jan 14 18:04:25 GMT 2004 PICS Flat

Wed Jan 14 18:05:12 GMT 2004 CHIP End Bias

Wed Jan 14 18:06:56 GMT 2004 PICS End Flat

WEATHER COMMENT: Wed Jan 14 18:31:47 GMT 2004

Scattered patches of altostratus/cirrostratus due to the high upper level winds.

\*\*MKIV PROBLEM\*\* Wed Jan 14 18:37:51 GMT 2004

mk4 images showing polarization effects that Andrew has been describing but that effect rotated scan to scan. Today's anomaly is probably due to the high wind buffeting the spar around and the high, thin, clouds that are forming and dissipating due to the upper level winds. I have not noticed any effect as drastic or even less drastic as the image sample Andrew emailed us in the recent weeks since the concern was brought up.

Wed Jan 14 18:48:17 GMT 2004 MKIV End Patrol

Wed Jan 14 18:48:29 GMT 2004 MKIV Start Cal

MKIV COMMENT: Wed Jan 14 19:06:56 GMT 2004

Centered O1.

Wed Jan 14 19:07:18 GMT 2004 MKIV End Cal

Wed Jan 14 19:07:29 GMT 2004 MKIV Start Patrol

MKIV COMMENT: Wed Jan 14 20:06:33 GMT 2004

Centered O1.

\*\*MLSO PROBLEM\*\* Wed Jan 14 20:51:10 GMT 2004

Just experienced a brief power outage. Only some of the equipment dropped out for about a second. Must have been a problem with only one phase

of the power supply to our building.

**\*\*MLSO PROBLEM\*\***: Wed Jan 14 20:58:21 GMT 2004

Instrumentation affected by power dropout appears to be guider declination which needed to be reset, CHIP appears stalled, and ECHO images look dark (appears to be running, though), checking things out.

Wed Jan 14 21:05:05 GMT 2004 CHIP End Patrol

MKIV COMMENT: Wed Jan 14 21:05:37 GMT 2004

Centered O1.

Wed Jan 14 21:09:11 GMT 2004 PICS End Patrol

ECHO COMMENT: Wed Jan 14 21:09:23 GMT 2004

Quit echosys and restarted. Images OK, time OK.

**\*\*CHIP PROBLEM\*\***: Wed Jan 14 21:09:52 GMT 2004

CHIP is having a time with Optics. Needing to Cancel Wait constantly to get by WaitOpti and WaitReply processes in end Patrol and Quit(Pau).

Stopping PICS patrol so I can reset MCC before restarting CHIP.

Wed Jan 14 21:13:24 GMT 2004 PICS Start Patrol

Wed Jan 14 21:15:01 GMT 2004 CHIP Start Patrol

**\*\*CHIP PROBLEM\*\***: Wed Jan 14 21:17:52 GMT 2004

CHIP is observing properly again.

**\*\*MKIV PROBLEM\*\***: Wed Jan 14 21:21:54 GMT 2004

I was just checking hoike images before power dropped out, but, the bipolar darkening occurred only on images between 1818-1903 UT. It may be that whatever phenomenon that was causing the darkening that was changing azimuth went away or the calibration taken at 1848 UT fixed today's problem. I say today's problem because, I say again, I did not see the kind of problem Boulder is describing before today.

**\*\*PSPT PROBLEM\*\***: Wed Jan 14 21:45:09 GMT 2004

PSPT crashed at 2120 UT Taking CaK dark image. Killed and restarted.

**\*\*MLSO PROBLEM\*\***: Wed Jan 14 22:15:53 GMT 2004

Just had another power hiccup. Checking thing out again.

MKIV COMMENT: Wed Jan 14 22:19:11 GMT 2004

Centered O1.

**\*\*MLSO PROBLEM\*\***: Wed Jan 14 22:19:21 GMT 2004

The latest hiccup was very brief, less than a second. Nobody quit on me this time. Systems appear OK.

We are having power outages around the island due to the high winds.

COMMENT: Wed Jan 14 22:27:13 GMT 2004

Declination reset. Repointed and reset guider.

**\*\*MLSO PROBLEM\*\***: Wed Jan 14 23:04:54 GMT 2004

Just had another very brief power hiccup.

**\*\*MLSO PROBLEM\*\***: Wed Jan 14 23:05:54 GMT 2004

Just had another one.

**\*\*ECHO PROBLEM\*\***: Wed Jan 14 23:11:05 GMT 2004

ECHO images went dark (still visible, though) again like the first outage.

Quit and restarted echosys. Images OK, time OK.

Wed Jan 14 23:12:35 GMT 2004 CHIP End Patrol

**\*\*CHIP PROBLEM\*\***: Wed Jan 14 23:14:05 GMT 2004

Chip crashed again, too. Ending, stopping PICS, resetting MCC, and restarting

all.  
 Wed Jan 14 23:14:46 GMT 2004 PICS End Patrol  
 Wed Jan 14 23:23:49 GMT 2004 CHIP Start Patrol  
 Wed Jan 14 23:24:07 GMT 2004 PICS Start Patrol  
 \*\*CHIP PROBLEM\*\*: Wed Jan 14 23:24:25 GMT 2004  
 CHIP back in operation again.  
 MKIV COMMENT: Wed Jan 14 23:32:57 GMT 2004  
 Centered O1.  
 \*\*GONG PROBLEM\*\*: Thu Jan 15 00:23:11 GMT 2004  
 GONG xterm connection to shelter is down. Going down to check things  
 down at the shelter.  
 GONG COMMENT: Thu Jan 15 00:42:55 GMT 2004  
 All is well at the shelter. Looks like network beyond MLSO is down.  
 Cannot ping mtnserv (NOAA).  
 \*\*MLSO PROBLEM\*\*: Thu Jan 15 00:47:07 GMT 2004  
 I am able to get to several alternate servers in tracing route to hao.ucar.edu  
 but I cannot get to hao in the end. I am able to access WWW.  
 COMMENT: Thu Jan 15 01:13:09 GMT 2004  
 need to get down to Hilo by 5PM. starting early shutdown.  
 PSPT COMMENT: Thu Jan 15 01:13:54 GMT 2004  
 Shut down.  
 Thu Jan 15 01:14:32 GMT 2004 PICS End Patrol  
 Thu Jan 15 01:15:54 GMT 2004 CHIP End Patrol  
 Thu Jan 15 01:19:31 GMT 2004 MKIV End Patrol  
 WEATHER COMMENT: Thu Jan 15 01:22:14 GMT 2004  
 Strong southwest wind still battering site.  
 Thu Jan 15 01:22:52 GMT 2004

MkIV

00_02.rawmk4	18_06.rawmk4	19_45.rawmk4	21_14.rawmk4	22_42.rawmk4
00_05.rawmk4	18_09.rawmk4	19_48.rawmk4	21_17.rawmk4	22_45.rawmk4
00_08.rawmk4	18_12.rawmk4	19_51.rawmk4	21_20.rawmk4	22_48.rawmk4
00_11.rawmk4	18_15.rawmk4	19_54.rawmk4	21_23.rawmk4	22_51.rawmk4
00_14.rawmk4	18_18.rawmk4	19_57.rawmk4	21_26.rawmk4	22_54.rawmk4
00_17.rawmk4	18_21.rawmk4	20_00.rawmk4	21_29.rawmk4	22_57.rawmk4
00_20.rawmk4	18_24.rawmk4	20_03.rawmk4	21_32.rawmk4	23_00.rawmk4
00_22.rawmk4	18_27.rawmk4	20_06.rawmk4	21_35.rawmk4	23_03.rawmk4
00_25.rawmk4	18_30.rawmk4	20_09.rawmk4	21_37.rawmk4	23_06.rawmk4
00_28.rawmk4	18_33.rawmk4	20_12.rawmk4	21_40.rawmk4	23_09.rawmk4
00_31.rawmk4	18_36.rawmk4	20_15.rawmk4	21_43.rawmk4	23_12.rawmk4
00_34.rawmk4	18_39.rawmk4	20_18.rawmk4	21_46.rawmk4	23_15.rawmk4
00_37.rawmk4	18_42.rawmk4	20_21.rawmk4	21_49.rawmk4	23_18.rawmk4
00_40.rawmk4	18_45.rawmk4	20_24.rawmk4	21_52.rawmk4	23_21.rawmk4
00_43.rawmk4	18_51.rawmk4	20_27.rawmk4	21_55.rawmk4	23_24.rawmk4
00_46.rawmk4	18_57.rawmk4	20_30.rawmk4	21_58.rawmk4	23_26.rawmk4
00_49.rawmk4	19_03.rawmk4	20_33.rawmk4	22_01.rawmk4	23_29.rawmk4
00_52.rawmk4	19_07.rawmk4	20_36.rawmk4	22_04.rawmk4	23_32.rawmk4
00_55.rawmk4	19_10.rawmk4	20_39.rawmk4	22_07.rawmk4	23_35.rawmk4

00_58.rawmk4	19_13.rawmk4	20_41.rawmk4	22_10.rawmk4	23_38.rawmk4
01_01.rawmk4	19_16.rawmk4	20_44.rawmk4	22_13.rawmk4	23_41.rawmk4
01_04.rawmk4	19_19.rawmk4	20_47.rawmk4	22_16.rawmk4	23_44.rawmk4
01_07.rawmk4	19_22.rawmk4	20_50.rawmk4	22_19.rawmk4	23_47.rawmk4
01_10.rawmk4	19_25.rawmk4	20_53.rawmk4	22_22.rawmk4	23_50.rawmk4
01_13.rawmk4	19_28.rawmk4	20_56.rawmk4	22_25.rawmk4	23_53.rawmk4
01_16.rawmk4	19_31.rawmk4	20_59.rawmk4	22_27.rawmk4	23_56.rawmk4
17_54.rawmk4	19_34.rawmk4	21_02.rawmk4	22_30.rawmk4	23_59.rawmk4
17_57.rawmk4	19_37.rawmk4	21_05.rawmk4	22_33.rawmk4	c18_48.rawmk4
18_00.rawmk4	19_40.rawmk4	21_08.rawmk4	22_36.rawmk4	c18_54.rawmk4
18_03.rawmk4	19_42.rawmk4	21_11.rawmk4	22_39.rawmk4	c19_00.rawmk4