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Mauna Loa Solar Observatory Observer's Log  
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Mon Mar 4 17:31:42 GMT 2013

Year: 13 Doy: 063

Observer: berkey

WEATHER COMMENT: Mon Mar 4 17:31:43 GMT 2013

Hazy skies with patchy cirrus, temp 38f, wind 10mph from SE

\_\_\_\_end\_\_\_\_

Mon Mar 4 17:34:46 GMT 2013 MKIV Start Patrol

Mon Mar 04 17:43:27 GMT 2013 COMP End Patrol

MKIV COMMENT BY BEN: Mon Mar 4 17:43:27 GMT 2013

akamai got an uninitilized interrupt error,  
interrupt:

Uninitialized Interrupt!

Vector number 90 (0-255).

Program Counter: 0x0002eaf2

Status Register: 0x3600

Didnt stop barrel or integrationm; and I have never seen this error before

\_\_\_\_end\_\_\_\_

MKIV COMMENT BY BEN: Mon Mar 4 17:45:15 GMT 2013

Mk4 has required periodic poking of U12 to get a "good" cloud signalk

\_\_\_\_end\_\_\_\_

Mon Mar 4 17:48:27 GMT 2013 MKIV End Patrol

Mon Mar 4 17:50:50 GMT 2013: PSPT Start Patrol

NOTE BY BEN: Mon Mar 4 18:18:29 GMT 2013

Closing main dome due to wind shake on spar

\_\_\_\_end\_\_\_\_

Mon Mar 4 18:24:33 GMT 2013: PSPT Start Patrol

Mon Mar 4 19:09:33 GMT 2013 MKIV Start Patrol

Mon Mar 04 19:09:50 GMT 2013 COMP Start Patrol

MKIV COMMENT BY BEN: Mon Mar 4 19:11:12 GMT 2013

Restarting mk4 and comp ops, mk4 needed the ul2 trick

\_\_\_\_end\_\_\_\_

Mon Mar 4 19:21:41 GMT 2013 MKIV End Patrol

Mon Mar 4 19:44:08 GMT 2013

MkIV

MKIV COMMENT BY BEN: Mon Mar 4 19:46:05 GMT 2013

replaced U12 with spare from cabinet, analog signal seems lightly more stable now

\_\_\_\_end\_\_\_\_

Mon Mar 4 19:47:01 GMT 2013 MKIV Start Patrol

Mon Mar 4 20:36:55 GMT 2013 MKIV Start Cal

Mon Mar 04 20:45:07 GMT 2013 COMP End Patrol

MKIV COMMENT BY BEN: Mon Mar 4 20:44:59 GMT 2013

Cirrus inturrupting cals

\_\_\_\_end\_\_\_\_

Mon Mar 4 20:56:34 GMT 2013 MKIV End Cal

Mon Mar 4 21:20:55 GMT 2013 MKIV Start Patrol

NOTE BY GREG: Mon Mar 4 21:22:12 GMT 2013  
reconfigured dome clouds past restarting COMP and mk4  
\_\_\_\_end\_\_\_\_

Mon Mar 04 21:26:51 GMT 2013 COMP Start Patrol  
GONG COMMENT BY BEN: Mon Mar 4 21:27:35 GMT 2013  
Gong monthly PM done  
\_\_\_\_end\_\_\_\_

GONG COMMENT BY BEN: Mon Mar 4 21:30:32 GMT 2013

I found a site that gong uses to keep track of CAL images. Before doing the PM I noticed a smug in the eastcal,westcal and flat images for this morning (3-4-13 18:11), this turned out to match a large smuge of the same shape on the gong lens. This site might help gong monitoring.

\_\_\_\_end\_\_\_\_  
Mon Mar 4 21:38:13 GMT 2013 CHIP Start Patrol  
Mon Mar 4 21:39:06 GMT 2013 MKIV End Patrol  
Mon Mar 4 21:58:48 GMT 2013 MKIV End Cal  
Mon Mar 4 21:58:57 GMT 2013 MKIV Start Patrol  
Mon Mar 4 22:05:43 GMT 2013 CHIP Start Patrol  
Mon Mar 4 23:01:39 GMT 2013 CHIP End Patrol  
Mon Mar 04 23:10:37 GMT 2013 COMP End Patrol  
Mon Mar 4 23:15:59 GMT 2013 MKIV End Patrol  
Tue Mar 5 00:20:02 GMT 2013 CHIP Start Patrol  
Tue Mar 5 00:22:25 GMT 2013 MKIV Start Patrol  
Tue Mar 05 00:22:54 GMT 2013 COMP Start Patrol  
Tue Mar 5 00:29:54 GMT 2013: PSPT Abort Patrol  
Tue Mar 5 00:30:08 GMT 2013: PSPT Start Patrol  
Tue Mar 5 00:32:48 GMT 2013: PSPT Abort Patrol  
Tue Mar 5 00:53:50 GMT 2013: PSPT Start Patrol  
Tue Mar 05 01:13:16 GMT 2013 COMP End Patrol  
Tue Mar 5 01:15:46 GMT 2013 MKIV End Patrol  
Tue Mar 5 01:19:29 GMT 2013 MKIV Start Patrol  
Tue Mar 05 01:20:34 GMT 2013 COMP Start Patrol  
Tue Mar 05 01:27:35 GMT 2013 COMP End Patrol  
Tue Mar 5 01:31:30 GMT 2013 MKIV End Patrol  
CHIP COMMENT BY GREG: Tue Mar 5 01:37:56 GMT 2013

New temperature controller installed on the Tek Temp chiller. The heating function is set for 24C. The cooling function is disabled, the chiller part is not working properly, it heats when running. I suspected that cooling function was previously not working prior to the RTD failure. The new controller doesn't supply the low voltage VDC for coil of the SSR present so an alternative supply was added (there was not an suitable replacement power relay on site.) The system was installed and observed for functionality. Chip is back online now and ready for use.

Tue Mar 5 02:11:37 GMT 2013: PSPT Abort Patrol  
Tue Mar 5 02:11:46 GMT 2013: PSPT Abort Patrol  
NOTE BY GREG: Tue Mar 5 02:11:54 GMT 2013

Pspt dome shutter lubed up

\_\_\_end\_\_\_

Tue Mar 5 02:20:38 GMT 2013 CHIP End Patrol

PSPT COMMENT BY BEN: Tue Mar 5 02:26:54 GMT 2013

Pspt Cap wont close on command.

\_\_\_end\_\_\_

PSPT COMMENT BY BEN: Tue Mar 5 02:53:34 GMT 2013

Eventually we powercycled the DOS box and the cap closed on its own. Funny error

\_\_\_end\_\_\_

Tue Mar 5 03:00:22 GMT 2013

MkIV

00_22.rawmk4	01_12.rawmk4	20_12.rawmk4	21_43.rawmk4	22_40.rawmk4
00_25.rawmk4	01_19.rawmk4	20_15.rawmk4	21_49.rawmk4	22_43.rawmk4
00_28.rawmk4	01_22.rawmk4	20_18.rawmk4	21_55.rawmk4	22_46.rawmk4
00_31.rawmk4	01_25.rawmk4	20_21.rawmk4	21_58.rawmk4	22_49.rawmk4
00_34.rawmk4	01_28.rawmk4	20_24.rawmk4	22_01.rawmk4	22_52.rawmk4
00_37.rawmk4	17_37.rawmk4	20_26.rawmk4	22_04.rawmk4	22_55.rawmk4
00_40.rawmk4	17_44.rawmk4	20_29.rawmk4	22_07.rawmk4	22_58.rawmk4
00_43.rawmk4	19_09.rawmk4	20_32.rawmk4	22_10.rawmk4	23_01.rawmk4
00_46.rawmk4	19_12.rawmk4	20_39.rawmk4	22_13.rawmk4	23_03.rawmk4
00_48.rawmk4	19_15.rawmk4	20_46.rawmk4	22_16.rawmk4	23_06.rawmk4
00_51.rawmk4	19_18.rawmk4	20_53.rawmk4	22_19.rawmk4	23_09.rawmk4
00_54.rawmk4	19_47.rawmk4	21_20.rawmk4	22_22.rawmk4	23_12.rawmk4
00_57.rawmk4	19_53.rawmk4	21_23.rawmk4	22_25.rawmk4	c20_36.rawmk4
01_00.rawmk4	19_59.rawmk4	21_26.rawmk4	22_28.rawmk4	c20_50.rawmk4
01_03.rawmk4	20_03.rawmk4	21_29.rawmk4	22_31.rawmk4	c21_39.rawmk4
01_06.rawmk4	20_06.rawmk4	21_32.rawmk4	22_34.rawmk4	c21_46.rawmk4
01_09.rawmk4	20_09.rawmk4	21_35.rawmk4	22_37.rawmk4	c21_52.rawmk4