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Mauna Loa Solar Observatory Observer's Log  
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Wed Apr 4 16:45:42 GMT 2012

Year: 12 Doy: 095

Observer: berkey

WEATHER COMMENT: Wed Apr 4 16:47:32 GMT 2012

temp 40f, very light wind, clear skies, board walks icy

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

Wed Apr 04 16:48:54 GMT 2012 H-ALPHA Start Patrol

Wed Apr 4 16:53:47 GMT 2012 CHIP Start Patrol

Wed Apr 4 17:06:04 GMT 2012 MKIV Start Patrol

Wed Apr 4 17:06:46 GMT 2012: PSPT Start Patrol

Wed Apr 04 17:11:52 GMT 2012 COMP Start Patrol

\*\*GENERAL PROBLEM COMMENT BY BEN\*\*: Wed Apr 4 17:31:10 GMT 2012

spare RA, got lost for a short period and came back automatically. Not sure why.

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

Wed Apr 4 18:02:37 GMT 2012 CHIP LSD

Wed Apr 4 18:04:31 GMT 2012 CHIP End LSD

Wed Apr 4 18:04:40 GMT 2012 CHIP BiasLSD

Wed Apr 4 18:05:17 GMT 2012 CHIP End BiasLSD

Wed Apr 4 18:05:26 GMT 2012 CHIP Bias

Wed Apr 4 18:06:00 GMT 2012 CHIP End Bias

Wed Apr 4 18:06:08 GMT 2012 CHIP ReStart Patrol

Wed Apr 4 18:23:09 GMT 2012 MKIV End Patrol

Wed Apr 4 18:23:15 GMT 2012 MKIV Start Cal

Wed Apr 4 18:41:57 GMT 2012 MKIV End Cal

Wed Apr 4 18:42:03 GMT 2012 MKIV Start Patrol

Wed Apr 4 18:43:09 GMT 2012: PSPT Start Patrol

Wed Apr 04 19:28:10 GMT 2012 COMP End Patrol

Wed Apr 04 19:30:22 GMT 2012 COMP Start Patrol

Wed Apr 4 20:20:35 GMT 2012 CHIP End Patrol

Wed Apr 04 20:20:10 GMT 2012 COMP End Patrol

Wed Apr 04 20:21:33 GMT 2012 H-ALPHA End Patrol

Wed Apr 4 20:24:07 GMT 2012 MKIV End Patrol

Wed Apr 4 20:24:56 GMT 2012 MKIV Start Patrol

Wed Apr 04 20:25:06 GMT 2012 H-ALPHA Start Patrol

Wed Apr 4 20:25:51 GMT 2012 CHIP Start Patrol

Wed Apr 04 20:26:46 GMT 2012 COMP Start Patrol

Wed Apr 4 20:56:15 GMT 2012: PSPT Start Patrol

NOTE BY BEN: Wed Apr 4 22:02:57 GMT 2012

Clouds passing near the sun.

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

Wed Apr 04 22:23:40 GMT 2012 COMP End Patrol

Wed Apr 04 22:23:59 GMT 2012 COMP Start Patrol

Wed Apr 04 22:26:47 GMT 2012 COMP End Patrol

Wed Apr 04 22:27:10 GMT 2012 COMP Start Patrol

Wed Apr 4 22:28:47 GMT 2012 CHIP End Patrol

Wed Apr 4 22:28:49 GMT 2012 MKIV End Patrol

NOTE BY BEN: Wed Apr 4 22:29:08 GMT 2012

Domes closed

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

Wed Apr 04 22:30:33 GMT 2012 H-ALPHA End Patrol

Wed Apr 04 22:40:10 GMT 2012 COMP End Patrol

\*\*CoMP PROBLEM COMMENT BY BEN\*\* : Wed Apr 4 22:39:39 GMT 2012

Looks like opal stopped moving yesterday (per email from Leonard), restarting Newport motion control box appears to have fixed it.

I rebooted the controller before checking if the "Control ESP3000" actually raises an error, when the opal doesn't move. We currently don't receive error out from the vi; so we will miss the error even if it does.

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

Wed Apr 4 22:57:29 GMT 2012: PSPT Abort Patrol

Wed Apr 4 22:57:38 GMT 2012: PSPT Abort Patrol

Wed Apr 4 22:57:46 GMT 2012: PSPT Abort Patrol

Wed Apr 4 22:57:54 GMT 2012: PSPT Abort Patrol

Wed Apr 04 23:05:18 GMT 2012 COMP Start Patrol

Wed Apr 04 23:07:48 GMT 2012 COMP End Patrol

Wed Apr 04 23:07:49 GMT 2012 COMP Start Patrol

Wed Apr 04 23:09:37 GMT 2012 COMP End Patrol

Wed Apr 04 23:11:49 GMT 2012 COMP Start Patrol

Wed Apr 04 23:14:20 GMT 2012 COMP End Patrol

Wed Apr 04 23:14:21 GMT 2012 COMP Start Patrol

Wed Apr 04 23:16:52 GMT 2012 COMP End Patrol

Wed Apr 04 23:16:53 GMT 2012 COMP Start Patrol

Wed Apr 04 23:19:24 GMT 2012 COMP End Patrol

Wed Apr 04 23:19:25 GMT 2012 COMP Start Patrol

Wed Apr 04 23:21:56 GMT 2012 COMP End Patrol

Wed Apr 04 23:21:58 GMT 2012 COMP Start Patrol

Wed Apr 04 23:24:28 GMT 2012 COMP End Patrol

Wed Apr 04 23:24:29 GMT 2012 COMP Start Patrol

Wed Apr 04 23:41:13 GMT 2012 COMP Start Patrol

Wed Apr 04 23:43:30 GMT 2012 COMP End Patrol

Wed Apr 04 23:43:31 GMT 2012 COMP Start Patrol

CoMP COMMENT BY BEN: Thu Apr 5 02:04:25 GMT 2012

As a follow up from earlier the "Control ESP300" won't throw an error if the opal doesn't move. It looks like it only throws an error if the controller is off.

I cannot tell from the documentation how to query the controller if the stage is open or closed. There is a set of limit switches on the stage so I hope we could read the state via the controller to know if after command an open/close the move has

actually occurred. I will keep looking, but for now I can only see how to ask the ESP300 if the motor is done moving....

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

Thu Apr 5 02:25:42 GMT 2012

MkIV

17\_06.rawmk4 18\_10.rawmk4 19\_29.rawmk4 20\_39.rawmk4 21\_44.rawmk4

17\_09.rawmk4 18\_13.rawmk4 19\_32.rawmk4 20\_42.rawmk4 21\_47.rawmk4

17_12.rawmk4	18_16.rawmk4	19_38.rawmk4	20_45.rawmk4	21_50.rawmk4
17_14.rawmk4	18_19.rawmk4	19_42.rawmk4	20_48.rawmk4	21_53.rawmk4
17_17.rawmk4	18_26.rawmk4	19_45.rawmk4	20_51.rawmk4	21_56.rawmk4
17_20.rawmk4	18_32.rawmk4	19_48.rawmk4	20_54.rawmk4	21_58.rawmk4
17_23.rawmk4	18_38.rawmk4	19_51.rawmk4	20_57.rawmk4	22_01.rawmk4
17_26.rawmk4	18_42.rawmk4	19_54.rawmk4	21_00.rawmk4	22_04.rawmk4
17_29.rawmk4	18_45.rawmk4	19_57.rawmk4	21_03.rawmk4	22_07.rawmk4
17_32.rawmk4	18_47.rawmk4	20_00.rawmk4	21_06.rawmk4	22_10.rawmk4
17_35.rawmk4	18_50.rawmk4	20_03.rawmk4	21_09.rawmk4	22_13.rawmk4
17_38.rawmk4	18_53.rawmk4	20_06.rawmk4	21_12.rawmk4	22_16.rawmk4
17_41.rawmk4	18_56.rawmk4	20_09.rawmk4	21_14.rawmk4	22_19.rawmk4
17_44.rawmk4	18_59.rawmk4	20_11.rawmk4	21_17.rawmk4	22_22.rawmk4
17_47.rawmk4	19_02.rawmk4	20_14.rawmk4	21_20.rawmk4	22_25.rawmk4
17_50.rawmk4	19_05.rawmk4	20_17.rawmk4	21_23.rawmk4	c18_23.rawmk4
17_53.rawmk4	19_08.rawmk4	20_20.rawmk4	21_26.rawmk4	c18_29.rawmk4
17_56.rawmk4	19_11.rawmk4	20_24.rawmk4	21_29.rawmk4	c18_35.rawmk4
17_59.rawmk4	19_17.rawmk4	20_27.rawmk4	21_32.rawmk4	
18_02.rawmk4	19_21.rawmk4	20_30.rawmk4	21_35.rawmk4	
18_05.rawmk4	19_24.rawmk4	20_33.rawmk4	21_38.rawmk4	
18_08.rawmk4	19_26.rawmk4	20_36.rawmk4	21_41.rawmk4	