

-----  
Mauna Loa Solar Observatory Observer's Log  
-----

Thu Jan 10 17:36:51 GMT 2013

Year: 13 Doy: 010

Observer: berkey

WEATHER COMMENT: Thu Jan 10 17:48:35 GMT 2013

temp 31f, wind 12mph from SE, skies mostly clear with some patchy cirrus

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

Thu Jan 10 17:50:53 GMT 2013: PSPT Start Patrol  
Thu Jan 10 17:53:32 GMT 2013 CHIP Start Patrol  
Thu Jan 10 17:53:45 GMT 2013 COMP Start Patrol  
Thu Jan 10 18:01:21 GMT 2013 MKIV Start Patrol  
Thu Jan 10 18:02:49 GMT 2013 CHIP LSD  
Thu Jan 10 18:04:47 GMT 2013 CHIP End LSD  
Thu Jan 10 18:04:54 GMT 2013 CHIP BiasLSD  
Thu Jan 10 18:05:49 GMT 2013 CHIP End BiasLSD  
Thu Jan 10 18:05:55 GMT 2013 CHIP Bias  
Thu Jan 10 18:06:36 GMT 2013 CHIP End Bias  
Thu Jan 10 18:06:44 GMT 2013 CHIP ReStart Patrol

NOTE BY BEN: Thu Jan 10 18:08:03 GMT 2013

Changed shabar observing code to make the background color RED!!!! when at least one of the sensors is occulted (either by the dome or clouds). The background goes back to labview gray when the all the sensors are "happy" again.

Technically this is done by looking at the stdev of the rebinned data streams and if any of these are above a threshold (right now .04), the color is changed. This scheme has no way of telling if the lines are flat due to no light or consistent light.

So the background will stay gray if the shabar is ran while the dome shutter is closed

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

Thu Jan 10 19:00:37 GMT 2013 COMP End Patrol  
Thu Jan 10 19:02:52 GMT 2013 COMP Start Patrol  
Thu Jan 10 20:01:08 GMT 2013 MKIV End Patrol  
Thu Jan 10 20:01:13 GMT 2013 MKIV Start Cal  
Thu Jan 10 20:20:00 GMT 2013 MKIV End Cal  
Thu Jan 10 20:20:07 GMT 2013 MKIV Start Patrol  
Thu Jan 10 20:39:03 GMT 2013 MKIV End Patrol  
Thu Jan 10 20:39:46 GMT 2013 COMP End Patrol  
Thu Jan 10 20:42:28 GMT 2013: PSPT Abort Patrol  
Thu Jan 10 20:42:40 GMT 2013: PSPT Abort Patrol  
Thu Jan 10 20:43:37 GMT 2013 CHIP End Patrol  
Thu Jan 10 20:42:57 GMT 2013: PSPT Abort Patrol

NOTE BY BEN: Thu Jan 10 20:44:21 GMT 2013

Domes closed for incoming fog

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

NOTE BY BEN: Thu Jan 10 20:59:29 GMT 2013

Some snow came out of that cloud.

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

Thu Jan 10 21:14:02 GMT 2013: PSPT Start Patrol  
Thu Jan 10 21:16:50 GMT 2013 MKIV Start Patrol

Thu Jan 10 21:17:39 GMT 2013 COMP Start Patrol  
Thu Jan 10 21:18:14 GMT 2013 CHIP Start Patrol  
Thu Jan 10 23:00:43 GMT 2013 CHIP LSD  
Thu Jan 10 23:02:40 GMT 2013 CHIP End LSD  
Thu Jan 10 23:02:48 GMT 2013 CHIP BiasLSD  
Thu Jan 10 23:03:37 GMT 2013 CHIP End BiasLSD  
Thu Jan 10 23:03:49 GMT 2013 CHIP Bias  
Thu Jan 10 23:04:36 GMT 2013 CHIP End Bias  
Thu Jan 10 23:04:43 GMT 2013 CHIP ReStart Patrol

NOTE BY BEN: Thu Jan 10 23:04:22 GMT 2013

Updated shabar to turn red when the mean of any of the signals is below 3V.

\_\_\_\_\_  
end

Thu Jan 10 23:17:01 GMT 2013 CHIP End Patrol  
Thu Jan 10 23:17:16 GMT 2013 COMP End Patrol  
Thu Jan 10 23:20:59 GMT 2013 MKIV End Patrol  
Thu Jan 10 23:58:12 GMT 2013 MKIV Start Patrol  
Thu Jan 10 23:59:43 GMT 2013 CHIP Start Patrol  
Fri Jan 11 00:00:19 GMT 2013 COMP Start Patrol  
Fri Jan 11 00:12:17 GMT 2013: PSPT Start Patrol  
Fri Jan 11 00:13:05 GMT 2013 COMP End Patrol  
Fri Jan 11 00:14:48 GMT 2013 COMP Start Patrol

NOTE BY BEN: Fri Jan 11 00:30:21 GMT 2013

CoMP temp monitor got a visa error when trying to talk to the lake shore. Stop/Start the monitor to see if this fixes it

\_\_\_\_\_  
end

Fri Jan 11 01:02:50 GMT 2013: PSPT Start Patrol  
Fri Jan 11 01:20:07 GMT 2013 COMP End Patrol  
Fri Jan 11 01:20:36 GMT 2013 CHIP End Patrol  
Fri Jan 11 01:20:23 GMT 2013: PSPT Abort Patrol  
Fri Jan 11 01:20:31 GMT 2013: PSPT Abort Patrol  
Fri Jan 11 01:21:07 GMT 2013 MKIV End Patrol  
Fri Jan 11 01:27:02 GMT 2013

MkIV

00_01.rawmk4	01_14.rawmk4	19_10.rawmk4	21_16.rawmk4	22_30.rawmk4
00_04.rawmk4	01_17.rawmk4	19_13.rawmk4	21_19.rawmk4	22_33.rawmk4
00_07.rawmk4	18_01.rawmk4	19_16.rawmk4	21_22.rawmk4	22_36.rawmk4
00_09.rawmk4	18_05.rawmk4	19_19.rawmk4	21_25.rawmk4	22_39.rawmk4
00_12.rawmk4	18_08.rawmk4	19_22.rawmk4	21_28.rawmk4	22_42.rawmk4
00_15.rawmk4	18_11.rawmk4	19_25.rawmk4	21_31.rawmk4	22_45.rawmk4
00_18.rawmk4	18_14.rawmk4	19_28.rawmk4	21_34.rawmk4	22_48.rawmk4
00_21.rawmk4	18_17.rawmk4	19_31.rawmk4	21_37.rawmk4	22_51.rawmk4
00_24.rawmk4	18_20.rawmk4	19_33.rawmk4	21_40.rawmk4	22_54.rawmk4
00_27.rawmk4	18_23.rawmk4	19_37.rawmk4	21_43.rawmk4	22_57.rawmk4
00_30.rawmk4	18_26.rawmk4	19_40.rawmk4	21_46.rawmk4	23_00.rawmk4
00_33.rawmk4	18_29.rawmk4	19_42.rawmk4	21_49.rawmk4	23_03.rawmk4
00_36.rawmk4	18_32.rawmk4	19_45.rawmk4	21_52.rawmk4	23_06.rawmk4
00_39.rawmk4	18_35.rawmk4	19_48.rawmk4	21_55.rawmk4	23_09.rawmk4
00_42.rawmk4	18_37.rawmk4	19_51.rawmk4	21_58.rawmk4	23_11.rawmk4

00_45.rawmk4	18_40.rawmk4	19_54.rawmk4	22_01.rawmk4	23_14.rawmk4
00_48.rawmk4	18_43.rawmk4	19_57.rawmk4	22_03.rawmk4	23_17.rawmk4
00_51.rawmk4	18_46.rawmk4	20_04.rawmk4	22_06.rawmk4	23_58.rawmk4
00_54.rawmk4	18_49.rawmk4	20_10.rawmk4	22_09.rawmk4	c20_01.rawmk4
00_57.rawmk4	18_52.rawmk4	20_16.rawmk4	22_12.rawmk4	c20_07.rawmk4
01_00.rawmk4	18_55.rawmk4	20_20.rawmk4	22_15.rawmk4	c20_13.rawmk4
01_02.rawmk4	18_58.rawmk4	20_23.rawmk4	22_18.rawmk4	
01_05.rawmk4	19_01.rawmk4	20_26.rawmk4	22_21.rawmk4	
01_08.rawmk4	19_04.rawmk4	20_32.rawmk4	22_24.rawmk4	
01_11.rawmk4	19_07.rawmk4	20_35.rawmk4	22_27.rawmk4	