
Mauna Loa Solar Observatory Observer's Log

Thu Nov 8 16:56:34 GMT 2012

Year: 12 Doy: 313

Observer: berkey

WEATHER COMMENT: Thu Nov 8 17:05:46 GMT 2012

temp 39f, windc 8mph from SW, cirrus covering the whole sky

____end____

Thu Nov 8 17:06:40 GMT 2012 CHIP Start Patrol

Thu Nov 8 17:08:42 GMT 2012: PSPT Start Patrol

MKIV COMMENT BY BEN: Thu Nov 8 17:08:53 GMT 2012

Mk4 analog o-scope signal looks normal for those cases when only part of the O1 is illuminated around an obstruction. (High peaks on the double humps). As the instrument came above the dome way the high peaks flattened into the bad signal we have been seeing for the last week.

____end____

Thu Nov 8 17:44:23 GMT 2012 MKIV Start Patrol

Thu Nov 8 17:50:49 GMT 2012 MKIV End Patrol

Thu Nov 8 18:00:37 GMT 2012 CHIP LSD

Thu Nov 8 18:02:36 GMT 2012 CHIP End LSD

Thu Nov 8 18:02:45 GMT 2012 CHIP BiasLSD

Thu Nov 8 18:03:45 GMT 2012 CHIP End BiasLSD

Thu Nov 8 18:03:53 GMT 2012 CHIP Bias

Thu Nov 8 18:04:35 GMT 2012 CHIP End Bias

Thu Nov 8 18:04:42 GMT 2012 CHIP ReStart Patrol

Thu Nov 8 18:28:44 GMT 2012 MKIV Start Patrol

Thu Nov 8 18:34:59 GMT 2012 MKIV End Patrol

Thu Nov 8 19:06:07 GMT 2012 CHIP End Patrol

Thu Nov 8 19:08:25 GMT 2012 CHIP Start Patrol

Thu Nov 8 19:25:00 GMT 2012 MKIV Start Patrol

Thu Nov 8 19:28:59 GMT 2012: PSPT Start Patrol

Thu Nov 8 19:38:02 GMT 2012 MKIV End Patrol

Thu Nov 8 21:02:05 GMT 2012 MKIV Start Patrol

Thu Nov 8 21:08:20 GMT 2012 MKIV End Patrol

Thu Nov 8 21:18:17 GMT 2012 MKIV Start Patrol

Thu Nov 8 21:24:32 GMT 2012 MKIV End Patrol

Thu Nov 8 21:24:37 GMT 2012 MKIV Start Cal

Thu Nov 8 21:43:37 GMT 2012 MKIV End Cal

Thu Nov 8 22:03:37 GMT 2012 MKIV Start Patrol

Thu Nov 8 22:45:53 GMT 2012 MKIV End Patrol

Thu Nov 8 23:02:39 GMT 2012 CHIP LSD

Thu Nov 8 23:04:32 GMT 2012 CHIP End LSD

Thu Nov 8 23:04:40 GMT 2012 CHIP BiasLSD

Thu Nov 8 23:05:24 GMT 2012 CHIP End BiasLSD

Thu Nov 8 23:05:32 GMT 2012 CHIP Bias

Thu Nov 8 23:06:08 GMT 2012 CHIP End Bias

Thu Nov 8 23:06:16 GMT 2012 CHIP ReStart Patrol

Thu Nov 8 23:37:59 GMT 2012 MKIV Start Patrol

MKIV COMMENT BY BEN: Thu Nov 8 23:40:37 GMT 2012

Cleaning part of the retarder drive train. Initially I thought a dirt build up was part of the optical detector on the rotation stage. Turns out it was just a clump of dirt.

____end____

MKIV COMMENT BY BEN: Thu Nov 8 23:42:12 GMT 2012

Solar intensity (as seen from the fold prism looking toward the margin) is much brighter than last week. The matches the intensity I see on the o-scope. It now looks like the problem seen in the iqu data is related to poor syncing between the rot signal and the camera read out.

____end____

Thu Nov 8 23:46:03 GMT 2012 MKIV End Patrol

Fri Nov 9 00:15:16 GMT 2012 MKIV Start Patrol

NOTE BY BEN: Fri Nov 9 00:23:12 GMT 2012

Post removal of dirt, the periodic spike pattern appears to be gone. Although it is hard to tell much with so much cirrus.

____end____

MKIV COMMENT BY BEN: Fri Nov 9 00:24:05 GMT 2012

Note during retarder cleaning the mk4 spar power was turned off (including, retarder, camera, barrel rotation and mechanisms). I don't believe turning these things off and back on had any effect.

____end____
Fri Nov 9 01:01:53 GMT 2012 CHIP End Patrol
Fri Nov 9 01:04:11 GMT 2012: PSPT Abort Patrol
Fri Nov 9 01:05:41 GMT 2012 MKIV End Patrol
NOTE BY BEN: Fri Nov 9 01:11:47 GMT 2012
Cirrus never broke.

____end____
Fri Nov 9 01:12:06 GMT 2012
MkIV

00_15.rawmk4	00_44.rawmk4	18_31.rawmk4	21_40.rawmk4	22_30.rawmk4
00_18.rawmk4	00_47.rawmk4	19_25.rawmk4	22_03.rawmk4	22_33.rawmk4
00_21.rawmk4	00_50.rawmk4	19_28.rawmk4	22_06.rawmk4	22_36.rawmk4
00_24.rawmk4	00_53.rawmk4	19_33.rawmk4	22_09.rawmk4	22_39.rawmk4
00_27.rawmk4	00_55.rawmk4	21_02.rawmk4	22_12.rawmk4	22_42.rawmk4
00_30.rawmk4	00_59.rawmk4	21_05.rawmk4	22_15.rawmk4	23_37.rawmk4
00_33.rawmk4	01_02.rawmk4	21_18.rawmk4	22_18.rawmk4	c21_24.rawmk4
00_36.rawmk4	17_44.rawmk4	21_21.rawmk4	22_21.rawmk4	c21_30.rawmk4
00_38.rawmk4	17_47.rawmk4	21_27.rawmk4	22_24.rawmk4	c21_37.rawmk4
00_41.rawmk4	18_28.rawmk4	21_34.rawmk4	22_27.rawmk4	