
Mauna Loa Solar Observatory Observer's Log

Sun Mar 18 17:20:28 GMT 2012

Year: 12 Doy: 078

Observer: koon

WEATHER COMMENT: Sun Mar 18 17:20:29 GMT 2012

Clear sky, wind=25+mph from the SSE, temp=38F.

____end____

Sun Mar 18 17:29:53 GMT 2012 MKIV Start Patrol
Sun Mar 18 17:30:00 GMT 2012 H-ALPHA Start Patrol
Sun Mar 18 17:30:35 GMT 2012 CHIP Start Patrol
Sun Mar 18 17:34:28 GMT 2012 COMP Start Patrol
Sun Mar 18 18:00:57 GMT 2012 CHIP LSD
Sun Mar 18 18:02:50 GMT 2012 CHIP End LSD
Sun Mar 18 18:03:02 GMT 2012 CHIP BiasLSD
Sun Mar 18 18:03:53 GMT 2012 CHIP End BiasLSD
Sun Mar 18 18:04:02 GMT 2012 CHIP Bias
Sun Mar 18 18:04:47 GMT 2012 CHIP End Bias
Sun Mar 18 18:04:55 GMT 2012 CHIP ReStart Patrol

GONG COMMENT BY DARRYL: Sun Mar 18 18:12:27 GMT 2012

Back from shelter, unstowed turret, turret started oscillating in pitch immediately upon startup, couldn't damp it by hand, eventually it started pointing better.

____end____

Sun Mar 18 18:22:01 GMT 2012: PSPT Start Patrol
Sun Mar 18 18:23:11 GMT 2012 MKIV End Patrol
Sun Mar 18 18:23:17 GMT 2012 MKIV Start Cal
Sun Mar 18 18:41:59 GMT 2012 MKIV End Cal
Sun Mar 18 18:42:06 GMT 2012 MKIV Start Patrol
Sun Mar 18 20:12:40 GMT 2012: PSPT Start Patrol

MKIV COMMENT BY DARRYL: Sun Mar 18 20:14:36 GMT 2012

Pausing to clean O1.

____end____

Sun Mar 18 20:16:32 GMT 2012 MKIV End Patrol
Sun Mar 18 20:25:08 GMT 2012 COMP End Patrol
Sun Mar 18 20:25:12 GMT 2012 COMP Start Patrol
Sun Mar 18 20:39:57 GMT 2012 COMP End Patrol

COMP COMMENT BY DARRYL: Sun Mar 18 20:39:57 GMT 2012

Pausing to clean O1.

____end____

Sun Mar 18 21:21:09 GMT 2012 MKIV Start Cal
MKIV COMMENT BY DARRYL: Sun Mar 18 21:21:17 GMT 2012
Finished cleaning O1, reinstalled, doing the "after" cal that needs to be done when we clean the O1, then will proceed with obs.

____end____

COMP COMMENT BY DARRYL: Sun Mar 18 21:22:12 GMT 2012

Finished cleaning O1, will restart obs.

___end___

Sun Mar 18 21:27:09 GMT 2012 COMP Start Patrol
Sun Mar 18 21:40:01 GMT 2012 MKIV End Cal
Sun Mar 18 23:02:44 GMT 2012 CHIP LSD
Sun Mar 18 23:04:31 GMT 2012 CHIP End LSD
Sun Mar 18 23:04:39 GMT 2012 CHIP BiasLSD
Sun Mar 18 23:05:16 GMT 2012 CHIP End BiasLSD
Sun Mar 18 23:05:25 GMT 2012 CHIP Bias
Sun Mar 18 23:05:57 GMT 2012 CHIP End Bias
Sun Mar 18 23:06:04 GMT 2012 CHIP ReStart Patrol
Sun Mar 18 23:39:20 GMT 2012: PSPT Start Patrol
PSPT PROBLEM COMMENT BY DARRYL: Sun Mar 18 23:39:27 GMT 2012

Crashed, restarted.

___end___

MKIV PROBLEM COMMENT BY DARRYL: Sun Mar 18 23:54:48 GMT 2012
Scans stopped at end of scan a while back and I had trouble getting it going again. It looks like it stalled right after the 2nd cal finished, I had Patrol queued up but it didn't start, then I got busy with other stuff and didn't notice, the mouse control wasn't working on the realtime GUI when I tried to move the cursor around and click on buttons. What eventually worked was the combination of turning off the main KCC power and reseating the Vigra video board to see the realtime display again. This old Mk4 sure is being difficult, we don't have a spare Vigra board and can't find spares anywhere, we could probably use the CHIP Vigra board but that would mean losing the CHIP GUI screen at the least, though we really don't use that for anything, then there is probably linked code that looks to see if that board is running OK, but I'm not sure if we really need the CHIP Vigra board to get CHIP data, we may have to find out, if we want to keep the mk4 running without frequent checking and troubleshooting from MLSSO workers.

___end___

Mon Mar 19 00:00:38 GMT 2012 MKIV Start Patrol
Mon Mar 19 00:14:38 GMT 2012 COMP End Patrol
Mon Mar 19 00:14:41 GMT 2012 COMP Start Patrol
GONG PROBLEM COMMENT BY DARRYL: Mon Mar 19 00:50:10 GMT 2012
It's 58F outside and the turret is oscillating more than any other time today, it doesn't seem like the oscillation is caused by cold temperatures.

___end___

Mon Mar 19 01:13:28 GMT 2012 CHIP End Patrol
Mon Mar 19 01:13:23 GMT 2012: PSPT Start Patrol
Mon Mar 19 01:13:34 GMT 2012: PSPT Abort Patrol
Mon Mar 19 01:13:34 GMT 2012 COMP End Patrol
Mon Mar 19 01:14:37 GMT 2012 H-ALPHA End Patrol
Mon Mar 19 01:17:28 GMT 2012 MKIV End Patrol
GONG PROBLEM COMMENT BY DARRYL: Mon Mar 19 00:53:00 GMT 2012
Lightfeed ADC121 is at 1.85 and outside normal operating range, shortly thereafter it is back in normal range. That reading jumps 0.4 or more each readout, which is a lot more than any of the other measured values. The

temperature is warm so cold isn't causing the oscillations, they've been happening for about 2 hours in this warm weather. The wind is at about 20 mph from the SSE, maybe that's a factor, it's been windy for many weeks. As I leave today I will go through a stow/unstow cycle on the turret to try to stop the oscillations. I'm not going to cover the turret and heat it with a lightbulb tonight, that's been happening this week as a thermal test. If the GONG guys want us to continue then we can, but I think we should stop because it is not helping and they have enough test data.

____end____

Mon Mar 19 01:49:52 GMT 2012

MkIV

00_00.rawmk4	00_53.rawmk4	17_59.rawmk4	19_02.rawmk4	19_55.rawmk4
00_03.rawmk4	00_56.rawmk4	18_02.rawmk4	19_05.rawmk4	19_58.rawmk4
00_06.rawmk4	00_59.rawmk4	18_05.rawmk4	19_08.rawmk4	20_01.rawmk4
00_09.rawmk4	01_02.rawmk4	18_08.rawmk4	19_11.rawmk4	20_04.rawmk4
00_12.rawmk4	01_05.rawmk4	18_11.rawmk4	19_14.rawmk4	20_07.rawmk4
00_15.rawmk4	01_08.rawmk4	18_14.rawmk4	19_17.rawmk4	20_10.rawmk4
00_18.rawmk4	01_11.rawmk4	18_16.rawmk4	19_20.rawmk4	20_13.rawmk4
00_21.rawmk4	01_14.rawmk4	18_19.rawmk4	19_23.rawmk4	21_24.rawmk4
00_24.rawmk4	17_29.rawmk4	18_26.rawmk4	19_26.rawmk4	21_30.rawmk4
00_27.rawmk4	17_32.rawmk4	18_32.rawmk4	19_29.rawmk4	21_36.rawmk4
00_30.rawmk4	17_35.rawmk4	18_38.rawmk4	19_32.rawmk4	c18_23.rawmk4
00_33.rawmk4	17_38.rawmk4	18_42.rawmk4	19_35.rawmk4	c18_29.rawmk4
00_36.rawmk4	17_41.rawmk4	18_45.rawmk4	19_37.rawmk4	c18_35.rawmk4
00_39.rawmk4	17_44.rawmk4	18_47.rawmk4	19_40.rawmk4	c21_21.rawmk4
00_41.rawmk4	17_47.rawmk4	18_50.rawmk4	19_43.rawmk4	c21_27.rawmk4
00_44.rawmk4	17_50.rawmk4	18_53.rawmk4	19_46.rawmk4	c21_33.rawmk4
00_47.rawmk4	17_53.rawmk4	18_56.rawmk4	19_49.rawmk4	
00_50.rawmk4	17_56.rawmk4	18_59.rawmk4	19_52.rawmk4	