
Mauna Loa Solar Observatory Observer's Log

Thu Jun 7 17:26:45 GMT 2012

Year: 12 Doy: 159

Observer: berkey

Thu Jun 7 17:33:04 GMT 2012 MKIV Start Patrol

Thu Jun 07 17:33:07 GMT 2012 H-ALPHA Start Patrol

Thu Jun 7 17:34:15 GMT 2012 CHIP Start Patrol

WEATHER COMMENT: Thu Jun 7 17:34:40 GMT 2012

Patchy cirrus, temp 52f, wind 15mph from se

____end____

Thu Jun 07 17:43:14 GMT 2012 COMP Start Patrol

Thu Jun 7 17:43:31 GMT 2012: PSPT Start Patrol

Thu Jun 07 17:54:51 GMT 2012 COMP End Patrol

Thu Jun 7 17:56:59 GMT 2012 MKIV End Patrol

Thu Jun 7 18:01:46 GMT 2012 CHIP LSD

Thu Jun 7 18:03:37 GMT 2012 CHIP End LSD

Thu Jun 7 18:03:45 GMT 2012 CHIP BiasLSD

Thu Jun 7 18:04:33 GMT 2012 CHIP End BiasLSD

Thu Jun 7 18:04:41 GMT 2012 CHIP Bias

Thu Jun 7 18:05:25 GMT 2012 CHIP End Bias

Thu Jun 7 18:05:33 GMT 2012 CHIP ReStart Patrol

NOTE BY BEN: Thu Jun 7 18:54:44 GMT 2012

HawTel connection going down for a few minutes

____end____

Thu Jun 7 19:04:08 GMT 2012: PSPT Start Patrol

Thu Jun 7 21:35:31 GMT 2012 MKIV Start Patrol

Thu Jun 7 21:41:41 GMT 2012 MKIV End Patrol

NOTE BY BEN: Thu Jun 7 21:49:39 GMT 2012

Hawtel had trouble with their network upgrade; so it took a couple hours instead of the initial estimate of 15 minutes.

Network looks good now.

____end____

Thu Jun 7 22:51:19 GMT 2012: PSPT Start Patrol

Thu Jun 7 22:53:49 GMT 2012 MKIV Start Patrol

Thu Jun 07 22:54:29 GMT 2012 COMP Start Patrol

Thu Jun 7 23:02:47 GMT 2012 CHIP LSD

Thu Jun 7 23:04:31 GMT 2012 CHIP End LSD

Thu Jun 7 23:04:39 GMT 2012 CHIP BiasLSD

Thu Jun 7 23:05:54 GMT 2012 MKIV End Patrol

Thu Jun 7 23:05:16 GMT 2012 CHIP End BiasLSD

Thu Jun 7 23:05:28 GMT 2012 CHIP Bias

Thu Jun 07 23:06:16 GMT 2012 COMP End Patrol

Thu Jun 7 23:06:17 GMT 2012 CHIP End Bias

Thu Jun 7 23:06:25 GMT 2012 CHIP ReStart Patrol

Thu Jun 7 23:07:58 GMT 2012 MKIV Start Patrol

Thu Jun 7 23:41:38 GMT 2012 MKIV End Patrol

CoMP COMMENT BY BEN: Fri Jun 8 00:09:39 GMT 2012

I tried to trace down what VI is responsible for missing the 30 second cadance.
I found the Run Recipe can complete the 1074_V_3_250ms_2beam.rcp in 22.5 +/-1 second. Unless I am doing something to tax the PC, in those cases the maximum run I saw was 25seconds.
I also noted that when we did miss the cadance we weren't at the upper limit of that range; qualitatively it felt like when Run Recipe completed under 22 seconds we were more likely to miss the cadance. (but likely a red herring).
Due to the timer location, these measurements didn't capture plotting the intensity graph on the main VI or the running of the "Post Process Files" vi
Other possible locations for the time loss could be the, load recipe vi, the adjust filter wheel vi, and Read temps.
More investigation to come.

____end____
Fri Jun 8 00:19:24 GMT 2012 CHIP End Patrol
Fri Jun 8 00:20:49 GMT 2012: PSPT Abort Patrol
Fri Jun 8 00:20:57 GMT 2012: PSPT Abort Patrol
Fri Jun 08 00:21:31 GMT 2012 H-ALPHA End Patrol
Fri Jun 8 00:27:52 GMT 2012
MkIV

17_33.rawmk4 17_44.rawmk4 21_35.rawmk4 22_59.rawmk4 23_13.rawmk4
17_36.rawmk4 17_47.rawmk4 21_38.rawmk4 23_02.rawmk4 23_16.rawmk4
17_39.rawmk4 17_50.rawmk4 22_53.rawmk4 23_07.rawmk4
17_42.rawmk4 17_53.rawmk4 22_56.rawmk4 23_10.rawmk4