
Mauna Loa Solar Observatory Observer's Log

Fri May 3 16:23:17 GMT 2013

Year: 13 Doy: 123

Observer: rose

WEATHER COMMENT: Fri May 3 16:23:48 GMT 2013

44F, wind 4-9mph, clear sky.

____end____

Fri May 3 16:31:29 GMT 2013 CHIP Start Patrol

Fri May 3 16:32:45 GMT 2013: PSPT Start Patrol

Fri May 03 16:34:47 GMT 2013 COMP Start Patrol

Fri May 3 16:58:07 GMT 2013: PSPT Abort Patrol

Fri May 3 16:58:12 GMT 2013: PSPT Abort Patrol

Fri May 3 17:13:54 GMT 2013 MKIV Start Patrol

Fri May 3 17:14:33 GMT 2013: PSPT Start Patrol

****EVENT COMMENT BY GREG****: Fri May 3 17:42:48 GMT 2013

A fast epl launched at 1722 near PA 070 and at 1646 there was a large flare launching from AR1731

____end____

Fri May 3 18:01:50 GMT 2013 CHIP LSD

Fri May 3 18:03:45 GMT 2013 CHIP End LSD

Fri May 3 18:03:53 GMT 2013 CHIP BiasLSD

Fri May 3 18:04:39 GMT 2013 CHIP End BiasLSD

Fri May 3 18:04:51 GMT 2013 CHIP Bias

Fri May 3 18:05:35 GMT 2013 CHIP End Bias

Fri May 3 18:05:43 GMT 2013 CHIP ReStart Patrol

Fri May 3 18:36:52 GMT 2013 MKIV End Patrol

Fri May 3 18:36:58 GMT 2013 MKIV Start Cal

Fri May 3 18:55:45 GMT 2013 MKIV End Cal

Fri May 3 18:59:19 GMT 2013 MKIV Start Patrol

Fri May 03 19:31:24 GMT 2013 COMP End Patrol

Fri May 03 19:31:26 GMT 2013 COMP Start Patrol

Fri May 3 19:30:37 GMT 2013: PSPT Start Patrol

Fri May 3 19:44:54 GMT 2013 CHIP End Patrol

Fri May 03 19:46:37 GMT 2013 COMP End Patrol

Fri May 3 19:53:10 GMT 2013 CHIP Start Patrol

Fri May 3 19:53:19 GMT 2013 MKIV Start Patrol

Fri May 03 19:55:13 GMT 2013 COMP Start Patrol

Fri May 3 21:06:39 GMT 2013 CHIP End Patrol

Fri May 03 21:07:57 GMT 2013 COMP End Patrol

WEATHER COMMENT: Fri May 3 21:06:42 GMT 2013

idled instruments for clouds

____end____

Fri May 3 21:10:24 GMT 2013 MKIV End Patrol

Fri May 3 22:40:55 GMT 2013: PSPT Abort Patrol

Fri May 3 22:41:08 GMT 2013: PSPT Abort Patrol

CoMP COMMENT BY BEN: Sat May 4 00:31:44 GMT 2013

Swapped out the E-W NSC200 controller on CoMP. The system was very confusing, the newport software seems to behave incons

instantly between multiple runs, it also seems to require restarting if any parameter is changed. During the service we removed the occulter station after finding it took nearly 10 pounds of force to move the occulter against the SDS40 spring in the E-W direction (when fighting gravity). During service of the SDS40 we lubricated the bearings, and attempted to replace the stock spring with a weaker spring; however no suitable spring was found at MLSO. With the lubrication we now find the stage requires about 6 pounds of force to push it against gravity. The NSA12 specs claim a maximum torque of $28N \sim 6.3$ pounds.

I think our alignment issues with the auto-center occulter were due to undetected slipping of the NSA12 actuators. It may be possible the newer NSC200 combined with lubrication of the linear stage get us into a range where things work smoothly but longer

term I we may need to think about getting higher torque or close loop actuators.

____end____

Sat May 4 01:36:12 GMT 2013

MkIV

17_13.rawmk4	18_01.rawmk4	19_02.rawmk4	19_56.rawmk4	20_43.rawmk4
17_16.rawmk4	18_04.rawmk4	19_05.rawmk4	19_59.rawmk4	20_46.rawmk4
17_19.rawmk4	18_07.rawmk4	19_08.rawmk4	20_02.rawmk4	20_49.rawmk4
17_22.rawmk4	18_10.rawmk4	19_11.rawmk4	20_05.rawmk4	20_52.rawmk4
17_25.rawmk4	18_13.rawmk4	19_14.rawmk4	20_08.rawmk4	20_55.rawmk4
17_28.rawmk4	18_16.rawmk4	19_17.rawmk4	20_11.rawmk4	20_58.rawmk4
17_31.rawmk4	18_18.rawmk4	19_20.rawmk4	20_14.rawmk4	21_01.rawmk4
17_34.rawmk4	18_21.rawmk4	19_22.rawmk4	20_16.rawmk4	21_04.rawmk4
17_37.rawmk4	18_24.rawmk4	19_25.rawmk4	20_19.rawmk4	21_07.rawmk4
17_40.rawmk4	18_27.rawmk4	19_28.rawmk4	20_22.rawmk4	c18_36.rawmk4
17_43.rawmk4	18_30.rawmk4	19_31.rawmk4	20_25.rawmk4	c18_43.rawmk4
17_46.rawmk4	18_33.rawmk4	19_34.rawmk4	20_28.rawmk4	c18_49.rawmk4
17_49.rawmk4	18_40.rawmk4	19_37.rawmk4	20_31.rawmk4	
17_52.rawmk4	18_46.rawmk4	19_40.rawmk4	20_34.rawmk4	
17_55.rawmk4	18_52.rawmk4	19_43.rawmk4	20_37.rawmk4	
17_58.rawmk4	18_59.rawmk4	19_53.rawmk4	20_40.rawmk4	