Mauna Loa Solar Observatory Observer's Log _____ Mon Jan 1 17:00:13 GMT 2018 Year: 18 Doy: 001 Observer: waters WEATHER COMMENT: waters: Mon Jan 1 17:00:17 GMT 2018 Temp 39F with windspeed at about 7-12mph from the Southeast. Sky looks clear this New Years' morning. end Mon Jan 01 17:33:17 GMT 2018 SGS Alignment complete Mon Jan 01 17:34:34 GMT 2018 CoMP occulter has been re-centered Mon Jan 01 17:36:05 GMT 2018 COMP Start Patrol on cookbook: synoptic-00012.cbk GENERAL COMMENT BY waters: Mon Jan 01 17:57:16 GMT 2018 PM Blew off Kcor O1 end GENERAL COMMENT BY waters: Mon Jan 01 17:57:23 GMT 2018 PM Blew off CoMP 01 end Mon Jan 01 18:00:47 GMT 2018 Kcor Focus/alignment program exited Mon Jan 01 18:03:23 GMT 2018 KCOR Start Synoptic Patrol Mon Jan 01 19:10:53 GMT 2018 KCOR End Patrol Mon Jan 01 19:10:51 GMT 2018 COMP End Patrol Mon Jan 01 19:11:28 GMT 2018 SGS Alignment complete Mon Jan 01 19:11:30 GMT 2018 KCOR Start Synoptic Patrol Mon Jan 01 19:11:44 GMT 2018 KCOR End Patrol Mon Jan 01 19:11:45 GMT 2018 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini Mon Jan 01 19:12:17 GMT 2018 CoMP occulter has been re-centered Mon Jan 01 19:12:20 GMT 2018 COMP Start Patrol on cookbook: synoptic-00012.cbk Mon Jan 01 19:27:08 GMT 2018 KCOR End Calibration Script Mon Jan 01 19:27:25 GMT 2018 KCOR Start Synoptic Patrol Mon Jan 01 19:27:26 GMT 2018 KCOR Start Synoptic Patrol GENERAL OBSERVATORY COMMENT BY waters: Mon Jan 1 20:06:49 GMT 2018 I believe there is a bullet hole in the Northeast quadrant of the data. I will address it when I pause the instruments to center them. end Mon Jan 01 20:35:53 GMT 2018 Kcor sees an SGS Guiding Error closing lens cover Mon Jan 01 20:35:55 GMT 2018 KCOR End Patrol Mon Jan 01 20:36:53 GMT 2018 KCOR Start Synoptic Patrol GENERAL OBSERVATORY COMMENT BY waters: Mon Jan 1 20:36:17 GMT 2018 Dec lost tracking for a little bit, not too sure why. end Mon Jan 01 20:46:47 GMT 2018 KCOR End Patrol Mon Jan 01 20:46:45 GMT 2018 COMP End Patrol Mon Jan 01 20:51:04 GMT 2018 Kcor sees an SGS Guiding Error closing lens cover Mon Jan 01 20:51:06 GMT 2018 KCOR End Patrol Mon Jan 01 20:52:51 GMT 2018 Kcor sees an SGS Guiding Error closing lens cover Mon Jan 01 20:52:53 GMT 2018 KCOR End Patrol Mon Jan 01 20:54:26 GMT 2018 SGS Alignment complete

Mon Jan 01 20:54:41 GMT 2018 CoMP occulter has been re-centered Mon Jan 01 20:54:43 GMT 2018 COMP Start Patrol on cookbook: waves-00003.cbk Mon Jan 01 20:54:48 GMT 2018 KCOR Start Synoptic Patrol GENERAL OBSERVATORY COMMENT BY waters: Mon Jan 1 20:53:07 GMT 2018 Unfortunately, trying to close the door on Kcor shifted the spar just enough to have the lens cover close. Hoepfully blow ing off the O1 addressed the bullet hole I was seeing. end Mon Jan 01 22:27:02 GMT 2018 KCOR End Patrol Mon Jan 01 22:27:24 GMT 2018 COMP End Patrol Mon Jan 01 22:28:33 GMT 2018 SGS Alignment complete Mon Jan 01 22:28:33 GMT 2018 KCOR Start Synoptic Patrol Mon Jan 01 22:29:01 GMT 2018 CoMP occulter has been re-centered Mon Jan 01 22:29:04 GMT 2018 COMP Start Patrol on cookbook: synoptic-00012.cbk Tue Jan 02 00:03:46 GMT 2018 KCOR End Patrol Tue Jan 02 00:03:48 GMT 2018 COMP End Patrol Tue Jan 02 00:04:16 GMT 2018 SGS Alignment complete Tue Jan 02 00:04:18 GMT 2018 KCOR Start Synoptic Patrol Tue Jan 02 00:05:12 GMT 2018 CoMP occulter has been re-centered Tue Jan 02 00:05:13 GMT 2018 COMP Start Patrol on cookbook: synoptic-00012.cbk Tue Jan 02 01:39:38 GMT 2018 KCOR End Patrol Tue Jan 02 01:39:37 GMT 2018 COMP End Patrol Tue Jan 02 01:40:47 GMT 2018 SGS Alignment complete Tue Jan 02 01:40:47 GMT 2018 KCOR Start Synoptic Patrol Tue Jan 02 01:41:16 GMT 2018 CoMP occulter has been re-centered Tue Jan 02 01:41:26 GMT 2018 COMP Start Patrol on cookbook: waves-00003.cbk Tue Jan 02 02:50:54 GMT 2018 KCOR End Patrol Tue Jan 02 02:50:54 GMT 2018 COMP End Patrol