
Mauna Loa Solar Observatory Observer's Log

Thu Aug 22 16:16:51 GMT 2013

Year: 13 Doy: 234

Observer: waters

WEATHER COMMENT: waters: Thu Aug 22 16:17:12 GMT 2013

Clear skies with vog around 9500ft, temp 40F, windspeed is currently non-existent.

____end____

GENERAL OBSERVATORY COMMENT BY waters: Thu Aug 22 16:20:23 GMT 2013

Scott and Brandon were up here and we are all getting ready to start the day!

____end____

Thu Aug 22 16:41:01 GMT 2013: PSPT Start Patrol

Thu Aug 22 17:20:41 GMT 2013: PSPT Start Patrol

Thu Aug 22 17:44:32 GMT 2013: PSPT Start Patrol

Thu Aug 22 17:46:04 GMT 2013: PSPT Abort Patrol

Thu Aug 22 17:47:56 GMT 2013: PSPT Abort Patrol

PSPT COMMENT BY waters: Thu Aug 22 17:48:32 GMT 2013

Pspt crashed and upon start up, it kept giving the error that the sun is still too low, go back to bed. Shutting Pspt down and restarting it to see if it'll fix it.

____end____

Thu Aug 22 17:52:26 GMT 2013: PSPT Abort Patrol

Thu Aug 22 18:02:17 GMT 2013: PSPT Abort Patrol

Thu Aug 22 18:15:27 GMT 2013: PSPT Start Patrol

PSPT COMMENT BY waters: Thu Aug 22 17:59:04 GMT 2013

DOS machine wasn't communicating with the Sun machine. Rebooted DOS machine and initiated shut down. Motor stalled and produced a audible noise and I commenced to shut down pspt and loosen the clutch. The noise or alarm stopped about 20 seconds after shut down. Excerised the clutch and restart everything. Pspt had to manually moved into home position. It's working properly now.

____end____

GENERAL OBSERVATORY COMMENT BY waters: Thu Aug 22 18:17:35 GMT 2013

Scott and Brandon tested the RA and Dec motors and fixed some software bugs as well.

____end____

Thu Aug 22 18:58:13 GMT 2013: PSPT Start Patrol

GENERAL OBSERVATORY COMMENT BY waters: Thu Aug 22 19:56:26 GMT 2013

Just installed the RA and commencing installation of Dec.

____end____

GENERAL OBSERVATORY COMMENT BY waters: Thu Aug 22 22:36:23 GMT 2013

Mounted the dec and the motor. May need to go in and finish dialing it in but otherwise, looking good.

____end____

Thu Aug 22 22:42:55 GMT 2013: PSPT Start Patrol

GENERAL OBSERVATORY COMMENT BY berkey: Thu Aug 22 23:44:54 GMT 2013

KCOR comment logging changed from K-Cor to KCOR

____end____

GENERAL OBSERVATORY COMMENT BY waters: Fri Aug 23 01:19:36 GMT 2013

Tested the RA motor, seems that the bolts are pulling the worm gear a little higher than needed and thus isn't engaging the brass gear. Possible a washer of the right size will help but will have to be obtained off site. Brandon and Scott are going to move on to hooking up the Dec motor and testing it.

___end___

Fri Aug 23 01:30:37 GMT 2013: PSPT Abort Patrol

GENERAL OBSERVATORY COMMENT BY waters: Fri Aug 23 01:30:35 GMT 2013

Just so it's known, I fit inside of the spar.

Comments from Brandon:

We finished loading the majority of the software for the SGS computer and bench tested both of the motors for verification . We also proceeded to install the RA and DEC mechanisms. A big thanks to Greg Card for cranking out the DEC assembly and identifying RA components out to us in a timely manner!

___end___