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Mauna Loa Solar Observatory Observer's Log  
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Wed Sep 21 16:47:59 GMT 2016

Year: 16 Doy: 265

Observer: berkey

WEATHER COMMENT: berkey: Wed Sep 21 16:50:27 GMT 2016

Temp: 49.1f, Humidity: 14%, Pressure: 28.647in, Wind: 8mph from 163degs, Skies: Clear

\_\_\_\_end\_\_\_\_

Wed Sep 21 17:06:28 GMT 2016 COMP Start Patrol on cookbook: HOP316.cbk

Wed Sep 21 17:14:18 GMT 2016 KCOR Start Synoptic Patrol

Wed Sep 21 18:24:23 GMT 2016 KCOR End Patrol

Wed Sep 21 18:24:25 GMT 2016 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20150323.ini

Wed Sep 21 18:41:42 GMT 2016 KCOR End Calibration Script

Wed Sep 21 18:41:59 GMT 2016 KCOR Start Synoptic Patrol

Wed Sep 21 18:42:00 GMT 2016 KCOR Start Synoptic Patrol

Wed Sep 21 18:46:59 GMT 2016 COMP End Patrol

Wed Sep 21 18:46:59 GMT 2016 COMP Start Patrol on cookbook: HOP316.cbk

Wed Sep 21 20:27:16 GMT 2016 COMP End Patrol

Wed Sep 21 20:27:18 GMT 2016 COMP Start Patrol on cookbook: HOP316.cbk

Wed Sep 21 21:48:23 GMT 2016 COMP End Patrol

Wed Sep 21 21:49:30 GMT 2016 SGS Alignment complete

Wed Sep 21 21:50:16 GMT 2016 COMP Start Patrol on cookbook: HOP316.cbk

Wed Sep 21 21:53:44 GMT 2016 KCOR Start Synoptic Patrol

GENERAL COMMENT BY berkey: Wed Sep 21 22:19:37 GMT 2016

Clouds near by but so far not yet a problem.

\_\_\_\_end\_\_\_\_

Wed Sep 21 23:30:44 GMT 2016 COMP Start Patrol on cookbook: HOP316.cbk

Wed Sep 21 23:30:31 GMT 2016 COMP End Patrol

Thu Sep 22 00:37:38 GMT 2016 KCOR End Patrol

Thu Sep 22 00:38:01 GMT 2016 CoMP Paused for clouds

Thu Sep 22 00:54:27 GMT 2016 CoMP Restarted from pause

Thu Sep 22 00:55:23 GMT 2016 CoMP Paused for clouds

Thu Sep 22 00:58:05 GMT 2016 CoMP Restarted from pause

Thu Sep 22 01:08:14 GMT 2016 KCOR Start Synoptic Patrol

Thu Sep 22 01:30:49 GMT 2016 COMP End Patrol

Thu Sep 22 01:30:50 GMT 2016 COMP Start Patrol on cookbook: HOP316.cbk

Thu Sep 22 01:31:06 GMT 2016 KCOR End Patrol

Thu Sep 22 01:31:22 GMT 2016 CoMP Paused for clouds

Thu Sep 22 01:32:13 GMT 2016 CoMP Restarted from pause

Thu Sep 22 01:37:36 GMT 2016 KCOR Start Synoptic Patrol

Thu Sep 22 01:40:17 GMT 2016 KCOR End Patrol

Thu Sep 22 02:05:21 GMT 2016 CoMP Paused for clouds

GENERAL COMMENT BY berkey: Thu Sep 22 02:16:13 GMT 2016

Installed Qian's GPS antenna on the Lowl gps antenna post. The planned location on the NOAA solar wall couldn't work due to the length of the provided antenna cable.

Currently we are treating this is a temporary install to make sure we have appropriate sky coverage in a location so close to PSPT. Initially the antenna post had a horrible set of vibrations/oscillation responses with the big antenna on top. To address this an outer sleeve with some dampers (duct tape wrapped around the post tightly coupling to the sleeve) was placed around the post; and some guide wires (para-cord) were installed. These made a major improvement.

The 100' cable is just barely long enough to reach the Lowl location via the new conduits installed during construction. If/when we decide to make the Lowl location permanent we should install one of Greg's wall penetrations some where in the south PSPT wall to give a cleaner better cable run.

The GPS is online and taking data. It has no interface and writes data to an external hard disk automatically; so at some point in the next week I will pull the hard drive and see if it is taking data properly and try to get some feedback on quality from Qian.

\_\_\_\_end\_\_\_\_

GENERAL COMMENT BY berkey: Thu Sep 22 02:17:49 GMT 2016

Today the 26th Helco will power down MLSO for ~2 hours 11am-1pm to connect NOAA's new solar panel system in to the power grid. Apparently this has to happen at or near one of the transforms that feed both NOAA and us so we will be effected.

\_\_\_\_end\_\_\_\_

Thu Sep 22 02:26:00 GMT 2016 CoMP Restarted from pause

Thu Sep 22 02:26:00 GMT 2016 CoMP End Patrol