
Mauna Loa Solar Observatory Observer's Log

Thu Jan 1 17:12:44 GMT 2015

Year: 15 Doy: 001

Observer: waters

WEATHER COMMENT: waters: Thu Jan 1 17:12:57 GMT 2015

Temp 39F with windspeed at about 33mph from the South-Southwest with gusts up to 40mph.

A cirrus in the Northwest and Northeast with a bit of cirrus in the Sun's path.

____end____

Thu Jan 1 17:34:38 GMT 2015: PSPT Start Patrol

GENERAL OBSERVATORY COMMENT BY waters: Thu Jan 1 17:43:34 GMT 2015

Door upstairs won't stay closed due to the wind. Left the domes partially closed to help shield the instruments from the wind.

____end____

GENERAL OBSERVATORY COMMENT BY waters: Thu Jan 1 17:55:32 GMT 2015

Kcor temp is at 33.3C, will wait a little bit before starting up.

____end____

Thu Jan 01 17:57:36 GMT 2015 COMP Start Patrol

Thu Jan 01 18:35:29 GMT 2015 KCOR Start Synoptic Patrol

Thu Jan 01 19:04:02 GMT 2015 KCOR End Patrol

Thu Jan 01 19:04:03 GMT 2015 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg.ini

Thu Jan 01 19:20:07 GMT 2015 KCOR End Calibration Script

Thu Jan 01 19:20:17 GMT 2015 KCOR Start Synoptic Patrol

Thu Jan 01 19:54:13 GMT 2015 KCOR End Patrol

Thu Jan 01 19:55:27 GMT 2015 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY waters: Thu Jan 1 19:55:13 GMT 2015

Dome occulted Kcor and Comp.

____end____

Thu Jan 01 20:55:19 GMT 2015 KCOR End Patrol

Thu Jan 01 20:55:31 GMT 2015 COMP End Patrol

GENERAL OBSERVATORY COMMENT BY waters: Thu Jan 1 20:59:13 GMT 2015

SGS adjusted, Comp didn't need any. Going to put the bottom part of the shutter down, hopefully it will help reduce the wind hitting the Spar as we're starting to see it more head on.

____end____

Thu Jan 01 21:08:15 GMT 2015 COMP Start Patrol

Thu Jan 01 21:09:15 GMT 2015 KCOR Start Synoptic Patrol

Thu Jan 1 23:59:41 GMT 2015: PSPT Abort Patrol

Fri Jan 02 00:06:01 GMT 2015 COMP End Patrol

Fri Jan 02 00:06:01 GMT 2015 COMP Start Patrol

Fri Jan 02 00:13:07 GMT 2015 KCOR End Patrol

Fri Jan 02 00:13:31 GMT 2015 COMP End Patrol

GENERAL OBSERVATORY COMMENT BY waters: Thu Jan 1 23:45:25 GMT 2015

There seems to be some kind of odor, smell coming from the South of the building. After going around the building and sniffing the air, I called Ben to see what I should do.

He told me to shut everything down in Pspt to see if we could isolate where the smell maybe coming from, which included closing the dome. I ran through the end of day procedure and went up to close the bottom shutter when I glanced at the dome rotation and noticed it smoking. I shut down the power and pulled the power cord from the wall. After taking a closer look at how the dome parked, it's nearly at home, just a bit more South-Southeast. Going to try and clear the air in the dome before closing the shutter. Oh the temp around the air of the dome rotation motor was at about 135F on the left right and top of the motor. The motor itself was around 225F. Anywho, what a way to start a New Year.

____end____

Fri Jan 02 00:35:04 GMT 2015 COMP Start Patrol

GENERAL OBSERVATORY COMMENT BY waters: Fri Jan 2 00:27:56 GMT 2015

Adjusted SGS and raised the bottom shutter. We'll see how the spar handles without the shield. Adjusted Comp.

____end____

Fri Jan 02 00:44:37 GMT 2015 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY waters: Fri Jan 2 00:38:23 GMT 2015

It looks like we may be hitting the wind limit. Will keep an eye on Kcor for any shakes. Also, the MC4u Controller GUI isn't responding very well again. I'll restart the computer when I get the chance.

____end____

PSPT PROBLEM COMMENT BY waters : Fri Jan 2 00:56:08 GMT 2015

TO summerize: Smelled something strange in building; found it wass strongest in the Psp
t Dome area. Consulted with Ben to shut down Pspt in which during that process, noticed
the pspt dome rotation motor was smoking. Commenced to unplug the motor from power supp
ly. The air to the left, right and above the motor was at about 135F, while the motor i
tself was at about 225F. Now the temp has dropped to almost the temperature of the rest
of the room, about 58F. Will not operate Pspt in anyway till the motor is assessed and
everything is right again.

____end____

Fri Jan 02 01:08:38 GMT 2015 KCOR End Patrol

Fri Jan 02 01:09:27 GMT 2015 COMP End Patrol

GENERAL OBSERVATORY COMMENT BY waters: Fri Jan 2 01:09:39 GMT 2015

Bands of thick cirrus are coming in from the West, Comp and Kcor idled. MC4U controller
GUI wouldn't respond fast enough. Got lucky that the first band passed when it decided
to close the lens cover. Restarting Kcor computer now.

____end____

KCOR COMMENT BY waters: Fri Jan 2 01:25:33 GMT 2015

Restarting Kcor computer fixed the MC4U controller GUI. Took it through its paces and i
t responded immediately. '

____end____