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Mauna Loa Solar Observatory Observer's Log  
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Sun Dec 21 17:12:38 GMT 2014

Year: 14 Doy: 355

Observer: waters

WEATHER COMMENT: waters: Sun Dec 21 17:12:42 GMT 2014

Clear skies, temp 39F with windspeed at about 13mph from the South. Wind is much calmer today.

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

Sun Dec 21 17:31:40 GMT 2014: PSPT Start Patrol

KCOR COMMENT BY waters: Sun Dec 21 17:55:04 GMT 2014

A high pitch noise started emanating from the racks, I was in the middle of centering Kcor when I noticed and before I figured out what it was, the Kcor computer shut down. I closed the dome due to the fact that the occulter is still in the center position. Attempting to trouble shoot the UPS.

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

KCOR COMMENT BY waters: Sun Dec 21 18:09:54 GMT 2014

The UPS was, for some reason, indicating that it wasn't getting enough voltage. I reset the UPS by holding down the on and off for several seconds and it rebooted just fine. Will start up when Kcor temperature is back up, currently at 25.5C.

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

Sun Dec 21 18:57:01 GMT 2014 COMP Start Patrol

GENERAL OBSERVATORY COMMENT BY waters: Sun Dec 21 19:04:00 GMT 2014

Was finally able to adjust the Kcor occulter. Started Comp and Shabar but still waiting for Kcor to come up to temp.

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

\*\*KCOR PROBLEM COMMENT BY waters \*\*: Sun Dec 21 19:15:19 GMT 2014

Getting an error when I try to start up observations: Error -229771 occurred at DAQmx Create Channel (DO-Digital Output).vi :1 Possible reason(s): Internal Software error occurred in MIG software. Please contact National Instruments Support. When I quit socketcam after stopping acquisition, I get another error. Error in Function Bufin. An error has occurred within the working thread. Look at error stack to find error. Another error after hitting okay: Error in function Circular worker thread. the worker thread has timed out. Try increasing the time out value in the camera file.

Attempting to restart to see if that might fix the problem. We'll see how it goes.

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

\*\*KCOR PROBLEM COMMENT BY waters \*\*: Sun Dec 21 19:51:09 GMT 2014

Did a restart, did not work; did a complete reboot, following the correct procedure after a UPS failure, did not work. Still getting the same exact errors. Also noticed that the polarizer won't rotate at all. It currently says Current Position blank. When I hit the rotate button, it brings up the indicating screen that tells you it's moving for a brief second and then sets the current position to 0. Hit it again and it won't rotate. Closed all the covers in Kcor and will try to figure out what is wrong.

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

Sun Dec 21 21:53:01 GMT 2014 COMP End Patrol

Sun Dec 21 22:39:17 GMT 2014: PSPT Abort Patrol

GENERAL OBSERVATORY COMMENT BY waters: Sun Dec 21 22:31:09 GMT 2014

Closing domes for fog. All instruments idled.

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

GENERAL OBSERVATORY COMMENT BY waters: Sun Dec 21 22:53:07 GMT 2014

Darryl Koon came by! Chit chatted with him for a bit, good to hear about some of the old times up here!

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

Mon Dec 22 00:19:40 GMT 2014: PSPT Start Patrol

GENERAL OBSERVATORY COMMENT BY waters: Mon Dec 22 00:19:45 GMT 2014

Fog has seemed to past but there is a lot of haze to the South now, starting up Pspt.

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

Mon Dec 22 00:38:58 GMT 2014: PSPT Abort Patrol

GENERAL OBSERVATORY COMMENT BY waters: Mon Dec 22 00:39:19 GMT 2014

A big arm of thick clouds is currently covering the Sun, hoping it will pass fairly quick. Until then Pspt idled.

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

GENERAL OBSERVATORY COMMENT BY waters: Mon Dec 22 00:47:40 GMT 2014

In fog again, domes closed.

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

\*\*\*\*EVENT COMMENT BY waters\*\*\*\* : Mon Dec 22 01:18:46 GMT 2014

Lots of activity going on on the East and West limbs of the Sun; fairly large surges, some very faint prominences that seem to collapse back down to the surface.

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

GENERAL OBSERVATORY COMMENT BY waters: Mon Dec 22 01:56:30 GMT 2014

Doesn't look like the weather is going to improve much. Heading down early. Hope every one has a wonderful Solstice.

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