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Mauna Loa Solar Observatory Observer's Log  
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Fri May 20 16:09:07 GMT 2016

Year: 16 Doy: 141

Observer: waters

WEATHER COMMENT: waters: Fri May 20 16:09:15 GMT 2016

Temp 43F with windspeed at about 4-9mph from the East-Southeast. Clear sky at present.

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

Fri May 20 16:59:12 GMT 2016 KCOR Start Synoptic Patrol

Fri May 20 17:00:33 GMT 2016 COMP Start Patrol on cookbook: synoptic-00002.cbk

Fri May 20 17:03:55 GMT 2016 COMP End Patrol

Fri May 20 17:18:46 GMT 2016 COMP Start Patrol on cookbook: synoptic-00002.cbk

COMP COMMENT BY waters: Fri May 20 17:19:12 GMT 2016

Comp was acting up this morning. When centering the occulter, the cameras remained blank; I tried to focus the lens and although it gave me a nice gaussian curve, the sharpness was different everytime. I shut down comp and restarted the computer. When I started up Comp this error occurred:

Error-1073807252 occurred at VISA Read in UCOMP-Cal Diff Serial Writer.vi->UCOMP - CALOUT.vi:1->CoMP Initialization Routines.vi->CoMP.vi

VISA: (Hex 0xBFFF006C) An overrun error occurred during transfer. A character was not read from the hardware before the next character arrived.

I hit continue and it didn't show up again. This time Comp started up just fine. Was able to center the occulter and the focus lens was consistent. Not sure what happened.

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

Fri May 20 19:14:43 GMT 2016 KCOR End Patrol

Fri May 20 19:14:44 GMT 2016 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20150323.ini

Fri May 20 19:31:59 GMT 2016 KCOR End Calibration Script

Fri May 20 19:32:16 GMT 2016 KCOR Start Synoptic Patrol

Fri May 20 19:32:17 GMT 2016 KCOR Start Synoptic Patrol

Fri May 20 19:52:06 GMT 2016 COMP End Patrol

Fri May 20 19:52:06 GMT 2016 COMP Start Patrol on cookbook: waves-00001.cbk

GENERAL OBSERVATORY COMMENT BY waters: Fri May 20 19:56:05 GMT 2016

Fire extinguisher guys came up, they took a look at the four that we had. One ABC extinguisher and the water mist was good. The other ABC was replaced as it was too old. The d-oxide was left alone because one: it looked to have been discharged and it seemed it had some still in it and two: they couldn't determine how old it was. They recommend getting a new d-oxide extinguisher. So three of the extinguishers have been serviced/replaced.

Locations: Water Mist in PSPT dome area, 1ABC and d-oxide by the support pillar in the main downstairs area and 1 ABC in the upper dome area.

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

GENERAL OBSERVATORY COMMENT BY waters: Fri May 20 20:59:29 GMT 2016

Had a wonderful talk with Joan about the new building, the extinguishers, possible upcoming visits, questions/comments/concerns etc.

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

Fri May 20 21:24:45 GMT 2016 COMP End Patrol

Fri May 20 21:24:46 GMT 2016 COMP Start Patrol on cookbook: synoptic-00002.cbk

Fri May 20 21:38:17 GMT 2016 COMP End Patrol  
Fri May 20 21:39:57 GMT 2016 SGS Alignment complete  
Fri May 20 21:41:49 GMT 2016 COMP Start Patrol on cookbook: synoptic-00002.cbk  
CoMP COMMENT BY waters: Fri May 20 21:42:04 GMT 2016  
Comp occulter adjusted.

\_\_\_\_end\_\_\_\_  
CoMP COMMENT BY waters: Fri May 20 21:44:21 GMT 2016  
During the waves recipe for Comp, it seemed like there was a little bit of light leaking from the upper part of the image but not in the lower part of the image. The first batch of synoptic didn't show this but the second one seemed to reverse it. This could have been due to the occulter needing adjusting, which was done and as of now the synoptic recipe looks better. Will keep an eye on it.

\_\_\_\_end\_\_\_\_  
KCOR COMMENT BY waters: Fri May 20 22:01:16 GMT 2016  
Joan brought the fact that we're seeing some polarization in the West side of the data. Towards the beginning of the day, we were also seeing some polarization on the East side but it gradually got better but now it has gotten worse again. The sky is currently clear, gorgeous even.

\_\_\_\_end\_\_\_\_  
GENERAL OBSERVATORY COMMENT BY waters: Fri May 20 23:09:40 GMT 2016  
Dome occulted Comp

\_\_\_\_end\_\_\_\_  
Fri May 20 23:17:46 GMT 2016 SGS Alignment complete  
Fri May 20 23:58:33 GMT 2016 KCOR End Patrol  
Fri May 20 23:58:48 GMT 2016 KCOR Start Synoptic Patrol  
GENERAL OBSERVATORY COMMENT BY waters: Fri May 20 23:58:56 GMT 2016  
Some clouds came up, will keep an eye out.

\_\_\_\_end\_\_\_\_  
GENERAL OBSERVATORY COMMENT BY waters: Sat May 21 00:02:02 GMT 2016  
Dome occulted Comp

\_\_\_\_end\_\_\_\_  
Sat May 21 00:02:38 GMT 2016 CoMP Paused for clouds  
Sat May 21 00:02:44 GMT 2016 KCOR End Patrol  
Sat May 21 00:06:03 GMT 2016 CoMP Restarted from pause  
Sat May 21 00:06:29 GMT 2016 KCOR Start Synoptic Patrol  
Sat May 21 00:08:04 GMT 2016 KCOR End Patrol  
Sat May 21 00:08:19 GMT 2016 CoMP Paused for clouds  
GENERAL OBSERVATORY COMMENT BY waters: Sat May 21 00:08:39 GMT 2016  
More clouds are coming up from the Northwest, kcor and comp idled for now.

\_\_\_\_end\_\_\_\_  
Sat May 21 00:14:47 GMT 2016 CoMP Restarted from pause  
Sat May 21 00:15:38 GMT 2016 KCOR Start Synoptic Patrol  
Sat May 21 00:21:12 GMT 2016 CoMP Paused for clouds  
Sat May 21 00:21:16 GMT 2016 KCOR End Patrol  
Sat May 21 00:40:21 GMT 2016 CoMP Restarted from pause  
Sat May 21 00:41:12 GMT 2016 KCOR Start Synoptic Patrol  
Sat May 21 00:45:14 GMT 2016 COMP End Patrol  
Sat May 21 00:46:49 GMT 2016 SGS Alignment complete  
Sat May 21 00:47:50 GMT 2016 COMP Start Patrol on cookbook: synoptic-00002.cbk  
Sat May 21 00:48:17 GMT 2016 COMP End Patrol

Sat May 21 00:48:17 GMT 2016 COMP Start Patrol on cookbook: waves-00001.cbk

Sat May 21 01:14:15 GMT 2016 CoMP Paused for clouds

Sat May 21 01:14:19 GMT 2016 KCOR End Patrol

GENERAL OBSERVATORY COMMENT BY waters: Sat May 21 01:15:23 GMT 2016

More clouds have drifted up; Kcor and Comp idled.

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

Sat May 21 01:24:58 GMT 2016 CoMP Restarted from pause

Sat May 21 01:24:58 GMT 2016 COMP End Patrol