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Mauna Loa Solar Observatory Observer's Log  
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Sun Mar 15 16:45:57 GMT 2015

Year: 15 Doy: 074

Observer: waters

WEATHER COMMENT: waters: Sun Mar 15 16:46:01 GMT 2015

Clear skies, temp 36F with windspeed at about 15mph from the South. Parked just below the upper parking lot. The snow was crunchy but not slick.

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

KCOR COMMENT BY waters: Sun Mar 15 16:56:01 GMT 2015

Kcor temp is at 32C, will wait a bit for it to warm up before starting.

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

PSPT COMMENT BY waters: Sun Mar 15 17:03:26 GMT 2015

Pspt started.

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

GENERAL OBSERVATORY COMMENT BY waters: Sun Mar 15 17:31:42 GMT 2015

Kcor above the dome.

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

Sun Mar 15 17:37:24 GMT 2015 COMP Start Patrol

Sun Mar 15 17:44:21 GMT 2015 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY waters: Sun Mar 15 18:24:58 GMT 2015

Kcor computer had low disk space, I deleted some of the 2014 files to make room.

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

Sun Mar 15 19:01:49 GMT 2015 KCOR End Patrol

Sun Mar 15 19:01:49 GMT 2015 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg.ini

Sun Mar 15 19:17:57 GMT 2015 KCOR End Calibration Script

Sun Mar 15 19:18:00 GMT 2015 KCOR Start Synoptic Patrol

Sun Mar 15 19:55:53 GMT 2015 KCOR End Patrol

Sun Mar 15 19:55:56 GMT 2015 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY waters: Sun Mar 15 20:03:12 GMT 2015

Joan gave us a call and mentioned that they werern't receiving data as of 18:14:16UT. I have taken a calibration since the n around 9:00UT and have now restarted Kcor computer to try and address this problem.

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

Sun Mar 15 20:11:07 GMT 2015 KCOR Start Synoptic Patrol

Sun Mar 15 20:24:56 GMT 2015 KCOR End Patrol

Sun Mar 15 20:24:57 GMT 2015 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg.ini

Sun Mar 15 20:35:22 GMT 2015 COMP End Patrol

Sun Mar 15 20:35:23 GMT 2015 COMP Start Patrol

Sun Mar 15 20:40:53 GMT 2015 KCOR End Calibration Script

Sun Mar 15 20:41:08 GMT 2015 KCOR Start Synoptic Patrol

Sun Mar 15 20:42:54 GMT 2015 COMP End Patrol

Sun Mar 15 20:43:26 GMT 2015 KCOR End Patrol

Sun Mar 15 20:55:26 GMT 2015 COMP Start Patrol

GENERAL OBSERVATORY COMMENT BY waters: Sun Mar 15 20:55:52 GMT 2015

Adjusted SGS and pulled down the bottom part of the shutter.

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

Sun Mar 15 20:58:18 GMT 2015 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY waters: Sun Mar 15 21:03:36 GMT 2015

Kcor seems to be transmitting to the server again. We checked the website and the data had updated. I'm assuming that sock etcam crashed since I was still able to do things with the Kcor synoptic and MC4U gui's. Thank you Joan for catching that and giving me a nudge in the right direction!

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

Sun Mar 15 21:31:41 GMT 2015 KCOR End Patrol

Sun Mar 15 21:31:54 GMT 2015 COMP End Patrol

GENERAL OBSERVATORY COMMENT BY waters: Sun Mar 15 21:28:31 GMT 2015

Stopping data retrieval to start spar ocsillation test and camera verification for the kcor .ini files.

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

GENERAL OBSERVATORY COMMENT BY waters: Sun Mar 15 22:25:32 GMT 2015

Current values for the RA PID settings: proportional gain (Kc): 46.400 integral time (Ti, min): .00556 derivative time (Td, min): 0.000

In order to set these values as default, you have to stop SGS altogether, rather than have SGS in standby.

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

Mon Mar 16 00:08:38 GMT 2015 COMP Start Patrol

Mon Mar 16 00:20:55 GMT 2015 KCOR Start Synoptic Patrol

Mon Mar 16 00:31:29 GMT 2015 KCOR End Patrol

Mon Mar 16 00:31:29 GMT 2015 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg.ini

Mon Mar 16 00:47:24 GMT 2015 KCOR End Calibration Script

Mon Mar 16 00:47:53 GMT 2015 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY waters: Mon Mar 16 00:31:33 GMT 2015

After the PID test and getting the camera serials, we ended up sealing up some holes with some tape and readjusting the RA drive. Greg noticed that it was still slipping in both directions but after about half an hour of adjusting it, couldn't get it out of the system. I'd definitely approve of the new RA drive. :)

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

GENERAL OBSERVATORY COMMENT BY waters: Mon Mar 16 01:07:16 GMT 2015

Just a comment or two on the visitors that are up today; an individual has thrown a couple of snowballs either at or close to some of the equipment around the NOAA building; one of the snowballs hit the blades on an anemometer that is in line with our building. It wasn't moving afterwards for about half an hour and is currently moving but looks lopsided now. Another snowball almost hit the platform that is between our building and the outhouse down below. I went and talked to the group down there and asked them to stop and respect the instruments that they are in the presence of. So far no more incidents have occurred and I'm keeping a close eye.

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

Mon Mar 16 01:54:17 GMT 2015 KCOR End Patrol

Mon Mar 16 01:54:23 GMT 2015 COMP End Patrol

GENERAL OBSERVATORY COMMENT BY waters: Mon Mar 16 02:01:25 GMT 2015

Talked to another group that decided it was okay to go up the wooden platform that is next to the building facing our building down below. They apologized and such and I told them to respect the instruments while they have fun in the snow. Ended up giving them another set of people a tour of our facilities. Lots going on up here today.

At least we got some good data and some good calibrations for everyone back in Colorado. Yeah!

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