
Mauna Loa Solar Observatory Observer's Log

Wed Jul 29 18:24:54 GMT 2015

Year: 15 Doy: 210

Observer: berkey

Wed Jul 29 18:26:34 GMT 2015 KCOR Start Synoptic Patrol

Wed Jul 29 18:45:39 GMT 2015 COMP Start Patrol

Wed Jul 29 18:52:11 GMT 2015 COMP End Patrol

Wed Jul 29 18:52:11 GMT 2015 COMP Start Patrol

COMP COMMENT BY berkey: Wed Jul 29 18:53:12 GMT 2015

Opening comp to install the polarizer in the calpol rotator

____end____

Wed Jul 29 18:56:14 GMT 2015 COMP End Patrol

Wed Jul 29 18:56:25 GMT 2015 COMP Start Patrol

Wed Jul 29 19:02:46 GMT 2015 COMP End Patrol

Wed Jul 29 19:04:22 GMT 2015 COMP Start Patrol

WEATHER COMMENT: berkey: Wed Jul 29 19:04:17 GMT 2015

Temp: 55.9f, Humidity: 13%, Pressure: 28.713in, Wind: 6mph from NE, Skies: clear with an inversion layer at about 10,000 t
hat appears to be rising.

____end____

COMP COMMENT BY berkey: Wed Jul 29 19:04:46 GMT 2015

Cover back on comp. Running cal_pol for real this time.

____end____

Wed Jul 29 19:05:21 GMT 2015 KCOR End Patrol

Wed Jul 29 19:06:20 GMT 2015 KCOR Start Synoptic Patrol

Wed Jul 29 19:25:03 GMT 2015 COMP End Patrol

Wed Jul 29 19:25:03 GMT 2015 COMP Start Patrol

Wed Jul 29 19:25:26 GMT 2015 COMP End Patrol

COMP COMMENT BY berkey: Wed Jul 29 19:25:22 GMT 2015

pulling comp cover to install the retarder.

____end____

COMP COMMENT BY berkey: Wed Jul 29 19:30:17 GMT 2015

Cover back on and retarder in beam. Taking more datas

____end____

Wed Jul 29 19:30:33 GMT 2015 COMP Start Patrol

COMP COMMENT BY berkey: Wed Jul 29 19:53:01 GMT 2015

removing cal retarder.

____end____

COMP COMMENT BY berkey: Wed Jul 29 19:55:33 GMT 2015

retarder out taking cal_pol data

____end____

Wed Jul 29 19:55:47 GMT 2015 COMP End Patrol

Wed Jul 29 19:55:47 GMT 2015 COMP Start Patrol

Wed Jul 29 19:56:10 GMT 2015 COMP End Patrol

Wed Jul 29 19:56:24 GMT 2015 COMP Start Patrol

Wed Jul 29 20:16:32 GMT 2015 COMP End Patrol
Wed Jul 29 20:16:33 GMT 2015 COMP Start Patrol
Wed Jul 29 20:16:56 GMT 2015 COMP End Patrol
Wed Jul 29 20:19:41 GMT 2015 COMP Start Patrol
GENERAL COMMENT BY berkey: Wed Jul 29 20:19:36 GMT 2015
Polarizer out taking cal with no special optics.

____end____

Wed Jul 29 20:25:52 GMT 2015 KCOR End Patrol
Wed Jul 29 20:26:09 GMT 2015 COMP End Patrol
Wed Jul 29 20:32:05 GMT 2015 KCOR Start Synoptic Patrol
GENERAL COMMENT BY berkey: Wed Jul 29 20:33:06 GMT 2015
Dome reconfigured.

____end____

Wed Jul 29 20:44:37 GMT 2015 COMP Start Patrol
Wed Jul 29 20:44:51 GMT 2015 KCOR End Patrol
Wed Jul 29 20:44:53 GMT 2015 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20150323.ini
Wed Jul 29 21:02:04 GMT 2015 KCOR End Calibration Script
Wed Jul 29 21:02:21 GMT 2015 KCOR Start Synoptic Patrol
Wed Jul 29 21:02:23 GMT 2015 KCOR Start Synoptic Patrol
Wed Jul 29 22:02:42 GMT 2015 KCOR End Patrol
Wed Jul 29 22:03:00 GMT 2015 COMP End Patrol

CoMP COMMENT BY berkey: Wed Jul 29 22:07:23 GMT 2015

This morning we reinstalled the second 36979-01 board in the ESP-3000 controller to give back programatic control to the calpol rotator. This had been removed July 25th of last year, and send back to Boulder for repair on Gregs visit to do the Kcor camera stage upgrades.

____end____

CoMP COMMENT BY berkey: Wed Jul 29 22:09:14 GMT 2015

Fixed the ESP 3000 magic numbers for detecting the opal position back to 604/406 which are the appropriate numbers for opal in/out when the calpol rotator board is installed.

____end____

GENERAL COMMENT BY berkey: Wed Jul 29 22:10:55 GMT 2015

Pausing observing on all systems to do a comp optics inspection.

____end____

Thu Jul 30 01:09:57 GMT 2015 KCOR Start Synoptic Patrol

CoMP COMMENT BY berkey: Thu Jul 30 01:15:27 GMT 2015

Took apart filter wheel 1 and clean the 3 interference filters front and back with DI water and Isopropyl alcohol.
Cleaned the collimation lens with the air compressor.
Cleaned the camera entrance window with the air compressor.

During the process we adjusted the re-imaging lens baffle. Afterward we realigned the re-imaging lens in X and Y and rotated the camera clockwise looking at the sun by about 5 degrees to align fit the two coronal images onto the detector better. This also squared the camera up to the aft bulkhead.

During inspections the occulting post was rotated to better put the light on the head dump, but this causes the occulter to move w.r.t. the field stop causing out of round images. The occulting post was rotated back to its nominal pre-inspection position and things are looking better.

____end____

Thu Jul 30 01:21:04 GMT 2015 COMP Start Patrol

Thu Jul 30 01:24:36 GMT 2015 COMP End Patrol

Thu Jul 30 01:31:41 GMT 2015 KCOR End Patrol

GENERAL COMMENT BY berkey: Thu Jul 30 01:38:16 GMT 2015

Leaving early for actually valid reasons.

___end___