
Mauna Loa Solar Observatory Observer's Log

Mon Mar 18 16:20:09 GMT 2019

Year: 19 Doy: 077

Observer: waters

WEATHER COMMENT: waters: Mon Mar 18 16:34:17 GMT 2019

Temp 39F with windspeed at about 7-13mph from the South-Southwest. Sky looks clear.

____end____

GENERAL OBSERVATORY COMMENT BY waters: Mon Mar 18 16:35:02 GMT 2019

KCor lens cover was out of beam when I came in. Put it back in beam for start-up.

____end____

GENERAL COMMENT BY waters: Mon Mar 18 17:15:41 GMT 2019

PM Blew off Kcor 01

____end____

GENERAL OBSERVATORY COMMENT BY waters: Mon Mar 18 17:12:27 GMT 2019

Windows upstairs opened

____end____

GENERAL OBSERVATORY COMMENT BY waters: Mon Mar 18 17:26:46 GMT 2019

Cleaned the floor upstairs

____end____

Mon Mar 18 17:32:22 GMT 2019 SGS Alignment complete

Mon Mar 18 17:33:33 GMT 2019 Kcor Focus/alignment program exited

Mon Mar 18 17:45:22 GMT 2019 KCOR Start Synoptic Patrol

Mon Mar 18 18:29:43 GMT 2019 KCOR End Patrol

Mon Mar 18 18:30:01 GMT 2019 SGS Alignment complete

Mon Mar 18 18:30:04 GMT 2019 KCOR Start Synoptic Patrol

Mon Mar 18 19:08:53 GMT 2019 KCOR End Patrol

Mon Mar 18 19:09:07 GMT 2019 SGS Alignment complete

Mon Mar 18 19:09:27 GMT 2019 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini

Mon Mar 18 19:31:11 GMT 2019 KCOR End Calibration Script

Mon Mar 18 19:38:23 GMT 2019 KCOR Start Synoptic Patrol

GENERAL OBSERVATORY COMMENT BY waters: Mon Mar 18 19:28:27 GMT 2019

Bad fringing can be seen in the data again. The first NRGF image at 17:46:02UT looks clean but the next image immediately has crosshatching in the Southwest corner and less noticeable ones in the North. Was seen in Saturday but not logged and could be seen in the Sunday stream data I caught this morning as well. Start up was done as usual, no bumping of the spar, no opening or moving of anything after Ben did the occulter change on Friday. As Joan and Giuliana pointed out, we have seen this fringing before. However, we are not sure what could have changed between shut down on Friday and start up on Saturday if nothing out of the ordinary was done to the spar/instrument to cause the fringing. Note that the first image after today's calibration was also free of fringing in the NRGF at 19:32:13UT before they reappear.

____end____

KCOR COMMENT BY waters: Mon Mar 18 19:42:17 GMT 2019

Either I started the calibration with the Science data not illuminated or the sequence did not reilluminate it once the calibration script was done. Either way, Science Data button should have been illuminated at 19:31:11 GMT.

____end____

Mon Mar 18 20:09:12 GMT 2019 KCOR End Patrol

Mon Mar 18 20:09:32 GMT 2019 SGS Alignment complete

Mon Mar 18 20:09:35 GMT 2019 KCOR Start Synoptic Patrol

Mon Mar 18 21:54:37 GMT 2019 KCOR End Patrol

Mon Mar 18 21:56:06 GMT 2019 SGS Alignment complete

Mon Mar 18 21:56:07 GMT 2019 KCOR Start Synoptic Patrol

Mon Mar 18 23:30:21 GMT 2019 KCOR End Patrol

Mon Mar 18 23:30:36 GMT 2019 SGS Alignment complete

Mon Mar 18 23:30:38 GMT 2019 KCOR Start Synoptic Patrol

Tue Mar 19 00:18:26 GMT 2019 KCOR End Patrol

Tue Mar 19 00:18:43 GMT 2019 SGS Alignment complete

Tue Mar 19 00:18:45 GMT 2019 KCOR Start Synoptic Patrol

Tue Mar 19 01:51:22 GMT 2019 KCOR End Patrol

ONSITE STAFF: waters