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Mauna Loa Solar Observatory Observer's Log  
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Fri Jul 8 16:37:20 GMT 2016

Year: 16 Doy: 190

Observer: berkey

WEATHER COMMENT: berkey: Fri Jul 08 16:37:33 GMT 2016

Temp: 48.2f, Humidity: 4%, Pressure: 28.637in, Wind: 7mph from 128degs, Skies: Mostly clear with light cirrus about  
\_\_\_\_end\_\_\_\_

Fri Jul 08 16:49:26 GMT 2016 COMP End Patrol

Fri Jul 08 16:49:33 GMT 2016 SGS Alignment complete

Fri Jul 08 16:54:04 GMT 2016 COMP Start Patrol on cookbook: synoptic-00009.cbk

Fri Jul 08 17:01:36 GMT 2016 KCOR Start Synoptic Patrol

Fri Jul 08 17:15:10 GMT 2016 KCOR End Patrol

Fri Jul 08 18:22:06 GMT 2016 KCOR Start Synoptic Patrol

Fri Jul 08 18:31:23 GMT 2016 KCOR End Patrol

Fri Jul 08 18:35:53 GMT 2016 KCOR Start Synoptic Patrol

Fri Jul 08 19:14:49 GMT 2016 KCOR End Patrol

Fri Jul 08 19:25:14 GMT 2016 CoMP Paused for clouds

Fri Jul 08 20:06:18 GMT 2016 SGS Alignment complete

Fri Jul 08 20:57:35 GMT 2016 CoMP Restarted from pause

Fri Jul 08 21:06:52 GMT 2016 CoMP Paused for clouds

Fri Jul 08 21:09:50 GMT 2016 CoMP Restarted from pause

Fri Jul 08 21:12:40 GMT 2016 COMP End Patrol

Fri Jul 08 21:33:56 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk

Fri Jul 08 21:38:25 GMT 2016 COMP End Patrol

Sat Jul 09 00:10:17 GMT 2016 SGS Alignment complete

Sat Jul 09 00:12:09 GMT 2016 COMP Start Patrol on cookbook: synoptic-00009.cbk

Sat Jul 09 00:35:26 GMT 2016 CoMP Paused for clouds

Sat Jul 09 02:20:18 GMT 2016 CoMP Restarted from pause

Sat Jul 09 02:20:18 GMT 2016 COMP End Patrol

GENERAL COMMENT BY berkey: Sat Jul 09 02:28:22 GMT 2016

Its been a kind of crummy second 1/2 of the day for observing. In and out of cirrus since about 11am. Then around 2pm I noticed a large amount of aerosols in the kcor alignment images. (Streaming video from the detectors). I took a video of the screen to share with others.

with the quantity of aerosols crossing the field in 3 seconds I image a 15 second sum will just be streaks and smudges. This is not a common way for me to run the instrument and cirrus moved in before I could start data gathering; So I don't know how what I see in the alignment images correlates to the the fuzzy kcor images we typically see in the afternoons.

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

GENERAL COMMENT BY berkey: Sat Jul 09 02:28:34 GMT 2016

Forgot to start shabar today :(

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

CoMP COMMENT BY berkey: Sat Jul 09 02:36:03 GMT 2016

Poking around with the test CoMP code during a few of the periods of heavy cirrus I think I was able to cut another 40msec /exposure off the overhead for image handling. :)

I think I would like to see some of these changes moved to our operating code some time later this month.

Code has been revereted to the running version for operations tomorrow.

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

GENERAL COMMENT BY berkey: Sat Jul 09 02:40:41 GMT 2016

Dome motor was also slightly realigned to hopefully address Lisa's observation that the dome was getting stuck when moving clockwise while pointing in the west.

Motor was slightly turned counter clockwise while looking down from above and the spring that pushes the pinion gear into the rack was tightend considerably.

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