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--------------------------------------------------------------------------------
          Mauna Loa Solar Observatory Observer's Log
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       Mon Dec  9 17:06:28 GMT 2019
Year: 19  Doy: 343
Observer: berkey
WEATHER COMMENT: berkey: Mon Dec 09 17:06:44 GMT 2019
Temp: 41.6f, Humidity: 33%, Pressure: 28.71in, Wind: 7mph from 188degs, Skies: clear
___end___
GENERAL COMMENT BY berkey: Mon Dec 09 17:06:44 GMT 2019

___end___
KCOR COMMENT BY berkey: Mon Dec 09 17:16:24 GMT 2019
Kcor cameralink and NI boards moved to Kcor2 to try to take data on the new computer today.
___end___
GENERAL COMMENT BY berkey: Mon Dec 09 17:41:11 GMT 2019
PM Blew off Kcor O1 and opened windows
___end___
GENERAL COMMENT BY berkey: Mon Dec 09 17:41:39 GMT 2019
PM Blew off Kcor Field Lens  due to bright spots seen in yesterdays data
___end___
Mon Dec 09 17:50:55 GMT 2019 SGS Alignment complete
GENERAL COMMENT BY berkey: Mon Dec 09 17:57:27 GMT 2019
Kcor2's disk array did not power up with the computer.  Perhaps I bumped something in thebox when I installed the camerali
nk boards.  I noticed E drive was missing becasue socketcam was hard crashing.  After a little debugging I found that the
culpurit was trying to fprintf to the socketcam logs in e: driver which it couldn't.
___end___
GENERAL COMMENT BY berkey: Mon Dec 09 18:01:18 GMT 2019
Rebooting cleared up the issue with seeing the drive array. hopeful it stays cleared up in future power cycles. I will thi
nk about a check/warning that can be added to the observing code to see if the array is alive before calling socketcam.
___end___
Mon Dec 09 18:07:36 GMT 2019 KCOR Start Synoptic Patrol
Mon Dec 09 19:13:57 GMT 2019 KCOR End Patrol
Mon Dec 09 19:13:59 GMT 2019 KCOR Start Synoptic Patrol
Mon Dec 09 19:24:25 GMT 2019 KCOR End Patrol
Mon Dec 09 19:24:26 GMT 2019 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20171025.ini
Mon Dec 09 19:39:40 GMT 2019 KCOR End Calibration Script
Mon Dec 09 19:39:57 GMT 2019 KCOR Start Synoptic Patrol
Mon Dec 09 19:39:57 GMT 2019 KCOR Start Synoptic Patrol
Mon Dec 09 20:49:58 GMT 2019 KCOR End Patrol
KCOR COMMENT BY berkey: Mon Dec 09 20:50:34 GMT 2019
Stopping observations to wash the kcor O1.
___end___
GENERAL COMMENT BY berkey: Mon Dec 09 22:16:52 GMT 2019
PM Washed Kcor O1
___end___
Mon Dec 09 22:19:07 GMT 2019 SGS Alignment complete
Mon Dec 09 22:20:20 GMT 2019 Kcor Focus/alignment program exited
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Mon Dec 09 22:21:51 GMT 2019 KCOR Start Synoptic Patrol
Mon Dec 09 22:29:54 GMT 2019 KCOR End Patrol
Mon Dec 09 22:29:56 GMT 2019 KCOR Start Synoptic Patrol
GENERAL COMMENT BY berkey: Mon Dec 09 22:36:10 GMT 2019
O1 *might* be cleaner hard to tell with the heavy aerosol.
___end___
Mon Dec 09 23:00:42 GMT 2019 KCOR End Patrol
Mon Dec 09 23:02:45 GMT 2019 SGS Alignment complete
Mon Dec 09 23:09:03 GMT 2019 KCOR Start Synoptic Patrol
GENERAL COMMENT BY berkey: Mon Dec 09 23:48:35 GMT 2019
Kcor data taken between about 18:02UT and 19:10UT had fore-optics positions incorectly reported as MID due to a stale reco
rd when the these mechanims were infact out of the beam.

This went unoticed from the observer console becsaue the mc4u gui correctly reported the mechansims out of the beam, but s
ince the fits header values are only updated just before and after moves things looked ok from the MC4u gui.

The mc4u gui now has some logic to peroidcily compare the fits header value to the hardware state value and update the fit
s header if stale.
___end___
KCOR COMMENT BY berkey: Tue Dec 10 02:27:15 GMT 2019
Kcor2 looks like it does everything the old computer did. I would like to run with it going foward. (unless we find some
 kind of show stopper).
___end___
GENERAL COMMENT BY berkey: Tue Dec 10 03:19:39 GMT 2019
Nice to see the sun today but the data werent great with all the aerosols.

Some dynamics near PA130 seen in Halpha. And if I trick myself I can almost see some activity between the aresols of kcor
 at that same location
___end___
ONSITE STAFF: berkey