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------------------------------------------------------------------------
            Mauna Loa Solar Observatory Observer's Log
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        Wed Oct 23 16:26:24 GMT 2013
Year: 13  Doy: 296
Observer: berkey
WEATHER COMMENT: berkey: Wed Oct 23 16:26:26 GMT 2013
temp 42f, wind 10mph from S, hazy skies with patchy cirrus
___end___
Wed Oct 23 16:43:50 GMT 2013: PSPT Start Patrol
CoMP COMMENT BY berkey: Wed Oct 23 16:45:45 GMT 2013
Changed comp occulter to #35.  Changed the default setting in software
___end___
Wed Oct 23 18:07:04 GMT 2013 COMP Start Patrol
Wed Oct 23 18:22:16 GMT 2013 KCOR Start Synoptic Patrol
Wed Oct 23 18:52:35 GMT 2013 KCOR End Patrol
Wed Oct 23 18:52:37 GMT 2013 KCOR Start Calibration script: C:\kcor\mlso-calibration22deg.ini
Wed Oct 23 19:08:36 GMT 2013 KCOR End Calibration Script
Wed Oct 23 19:08:45 GMT 2013 KCOR Start Synoptic Patrol
Wed Oct 23 20:35:46 GMT 2013 KCOR End Patrol
Wed Oct 23 20:35:47 GMT 2013 KCOR Start Calibration script: C:\kcor\mlso-calibration22deg.ini
Wed Oct 23 20:51:40 GMT 2013 KCOR End Calibration Script
Wed Oct 23 21:00:40 GMT 2013 COMP End Patrol
Wed Oct 23 21:00:40 GMT 2013 COMP Start Patrol
Wed Oct 23 21:07:47 GMT 2013 COMP End Patrol
GENERAL OBSERVATORY COMMENT BY berkey: Wed Oct 23 21:11:08 GMT 2013
Adjusting guider zeropoint
___end___
Wed Oct 23 21:12:26 GMT 2013 COMP Start Patrol
Wed Oct 23 21:24:56 GMT 2013 KCOR Start Synoptic Patrol
Wed Oct 23 22:43:54 GMT 2013 KCOR End Patrol
Wed Oct 23 22:44:40 GMT 2013 KCOR Start Calibration script: C:\kcor\mlso-calibration22deg.ini
GENERAL OBSERVATORY COMMENT BY berkey: Wed Oct 23 22:56:03 GMT 2013
Passing clouds coming from the West.
___end___
GENERAL OBSERVATORY COMMENT BY berkey: Wed Oct 23 23:00:09 GMT 2013
Third calibration has some clouds in it.
___end___
Wed Oct 23 23:00:37 GMT 2013 KCOR End Calibration Script
Wed Oct 23 23:00:57 GMT 2013 KCOR Start Synoptic Patrol
Wed Oct 23 23:01:06 GMT 2013 KCOR End Patrol
Wed Oct 23 23:03:09 GMT 2013 COMP End Patrol
Wed Oct 23 23:03:41 GMT 2013 KCOR Start Synoptic Patrol
Wed Oct 23 23:15:51 GMT 2013 KCOR End Patrol
Wed Oct 23 23:35:23 GMT 2013: PSPT Abort Patrol
Wed Oct 23 23:35:27 GMT 2013: PSPT Abort Patrol
GENERAL OBSERVATORY COMMENT BY berkey: Thu Oct 24 01:28:50 GMT 2013
Added a feature to SGS to record SGS Server Out data to mlsoserver every 15 seconds when we are in open or closed loop.  T
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he data appears in /data/sgs/%YYMMDD%.txt and is the comma seperated decimal values for each of the items appearing in the
 SGS Server Ouput indicator.

Changes should be completely transparent to the observer. However if for some reason this does negitively effect observin
g, the running vi can be killed and the complied executable run instead.

The 15 second cadiance was selected to match the Tci/ip output. It would be very trival to increace the cadiance, but wit
hout changing the tcp/ip cadiance it will be a bit of work to make this loop go faster.
___end___
KCOR COMMENT BY berkey: Thu Oct 24 01:38:34 GMT 2013
I added some new graphs of kcor "proformance" to the iiwi display. They are displayed via a simple webpage that lives on
the desktop of iwii called k-cor.html which will likely need to be re-launch every day or so when either firefox crashes
or iwii reboots.

These 3 graphs are generated via a cron job that runs on ulua and works on the current days k-cor data files. Until k-cor
 is run and starts generating fits files yesterday's graphs will be displayed.   Once the script finds new data it will be
gin generating "todays" plots.
The first plot is a running log of the foreoptics + shutter state. For a given mechanim if there is a dot between 0 and .
3(ish) the mechisims is out of the beam. If there is a dot between 1.0 and 1.2 the mechanism is in the beam.

For the second plot "Science camera mean w/SGSDIM" You can see the mean value from each of the 8 camera images while the
instrument is in science mode as well as a plot of the SGSSUM. The y-axis of the Camera's is fixed so if things are out o
f range it probally means something is bad. The SGSDIM value has a floating y-axis, which may or not be ok.

The third plot is of the mean value for each of the 8 camera images during the calibrations. Here the y-axis if fixed to
what seems like good calibration values. The x value for each point is just corresponds the order of the images.

These plots are rapidly evolving, so if you find them useful please let me know what works what doesn't what would be mor
e interesting to look at.   One thing I found rather interesting watching the Science camera mean today was that while occ
ulting of k-cor around 11:15 wasn't very obvious in the k-cor gui (I missed it) it seemed very obvious in the graph (large
 increase of light across the whole detector).

___end___
Thu Oct 24 02:00:08 GMT 2013: PSPT Start Patrol
Thu Oct 24 02:08:08 GMT 2013: PSPT Abort Patrol
Thu Oct 24 02:08:11 GMT 2013: PSPT Abort Patrol