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           Mauna Loa Solar Observatory Observer's Log
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          Mon Jun 18 16:29:41 GMT 2018
Year: 18  Doy: 169
Observer: berkey
WEATHER COMMENT: berkey: Mon Jun 18 16:31:38 GMT 2018
Temp: 46.4f, Humidity: 76%, Pressure: 28.597in, Wind: 8mph from 105degs, Skies: thin cirrus overcast
___end___
KCOR COMMENT BY berkey: Tue Jun 19 00:53:04 GMT 2018
Inspection of the kcor fore optics area to try and understand how much further we can move the calpol out of the beam. It
looks like the motor/translation range will allow for about 10-15mm more travel.

Currently we are unable to travel to the end of the rail becasue the soft limit prox sensor is set to close to the optical
 axis.  With a modified prox sensor mount with should be able to easily the calpol an extra get ˜8 or 9mm out of the beam.
  To get the rest of the range we may need to either build a wider mount or cut down the sensor flag.

As of right now no changes were made to the instrument.
___end___
KCOR COMMENT BY berkey: Tue Jun 19 01:56:15 GMT 2018
Testing out a new version of the observer MC4u mechanism controller.  The older version had and issue that at times it cou
ld take up to 30 seconds to register an observer command to move a mechanisms.   This painfully long UI/mechanism response
 was due to the way the controller did background polling of the position and status of sensors and mechanisms.  These che
cks were done sequentially, with a couple of them requiring slow telnet sessions to complete.

Under the new code; status tests are done in parallel while requests for motion are still done sequentially in a blocking
fashion (while the move is happening we don't poll the positions of mechanisms or sensors.)  We also changed the telnet se
ssions that were used to get the port status of the power strips to a pure labview tcpip sessions that appear to give the
same functionally >10x the speed.

Taken together the UI is now very responsive to inputs and will process a request to close the cover (or mechanisms) at th
e moment the cover push is requested :)

The older implementation of the GUI is still available on the desktop with the old short cut.  The new version is also ava
ilable on the desktop called "MC4U testing".

Let me know if you guys have any issues running the new Testing version.
___end___
GENERAL COMMENT BY berkey: Tue Jun 19 01:56:25 GMT 2018
No data today.
___end___
ONSITE STAFF:  berkey
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