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--------------------------------------------------------------------------------
        Mauna Loa Solar Observatory Observer's Log
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        Mon Oct 10 16:49:35 GMT 2022
Year: 22  Doy: 283
Observer: embern
WEATHER COMMENT: embern: Mon Oct 10 16:49:59 GMT 2022
Temp: 41.6f, Humidity: 77%, Pressure: 28.681in, Wind: 2mph from 105degs, Skies: scatter
ed cirrus clouds above, mostly to the west and south
___end___
UCoMP COMMENT BY mlso: Mon Oct 10 18:25:26 GMT 2022
UCoMP filter wheel was giving us trouble again this morning; it seemed to be stuck in a
n infinite loop attempting multiple retries to make the move.  When looking at the code
, I found a race condition related to an uninitialized variable.   In most cases, the v
ariable would current filter wheel position before it was read back, but some of the ti
me (like this morning) the system read it out before it was written to.  A small code f
ix was made to initialize the value to -1; this seems to fix the crash on an uninitiali
zed variable and the filter wheel now seems to be working as expected.
___end___
Mon Oct 10 18:41:07 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal_flat.cbk lin
e 0
Mon Oct 10 18:43:01 GMT 2022 Kcor Focus/alignment program exited
Mon Oct 10 18:44:55 GMT 2022 KCOR Start Synoptic Patrol
GENERAL COMMENT BY embern: Mon Oct 10 18:49:34 GMT 2022
PM Blew off Kcor O1, before start
___end___
GENERAL COMMENT BY embern: Mon Oct 10 18:49:50 GMT 2022
PM Blew off UCoMP O1, before start
___end___
Mon Oct 10 19:01:41 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0
Mon Oct 10 19:13:58 GMT 2022 KCOR End Patrol
Mon Oct 10 19:13:58 GMT 2022 UCoMP Paused for clouds
Mon Oct 10 19:23:55 GMT 2022 UCoMP Restarted from pause
Mon Oct 10 19:24:03 GMT 2022 KCOR Start Synoptic Patrol
Mon Oct 10 19:49:53 GMT 2022 Running UCOMP Cookbook all_wavelength_coronal.cbk line 0
Mon Oct 10 19:50:58 GMT 2022 UCoMP Paused for clouds
Mon Oct 10 19:51:06 GMT 2022 KCOR End Patrol
Mon Oct 10 20:59:13 GMT 2022 UCoMP Restarted from pause
Mon Oct 10 20:59:39 GMT 2022 UCoMP Paused for clouds
KCOR COMMENT BY mlso: Mon Oct 10 23:05:32 GMT 2022
The online mc4u was pulled out to inspect the jumper settings today.Â  We found the I/O
 Jumpers (table 88 in SPiiPlus MC4u hw guide.pdf) were different between the two units,
 but everything else was identical.
The online units J1, J3, J5, and J7 are open withÂ no connection indicating an external
 power supply.Â  And in the spare unit, these jumpers areÂ 2-3, indicating an internal
24V power supply.
After documenting jumper positions, the two units were reassembled (without making any
changes), and online MC4u was reinstalled back into the NEMA box.Â  Testing shows we st
ill have expected control on all motion stages controlled by the Mc4u.
___end___
Tue Oct 11 00:29:33 GMT 2022 UCoMP Restarted from pause
GENERAL COMMENT BY embern: Tue Oct 11 00:34:30 GMT 2022
short amount of time observing this morning but clouds and fog have prevented any obser
ving this afternoon.
___end___
ONSITE STAFF:  berkey, embern
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