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-----------------------------------------------------------------------------
                 Mauna Loa Solar Observatory Observer's Log
-----------------------------------------------------------------------------
            Wed Jun 13 16:32:00 GMT 2012
Year: 12  Doy: 165
Observer: berkey
WEATHER COMMENT: Wed Jun 13 16:32:51 GMT 2012
clear skies, temp 37f, wind 7mph from sw
___end___
Wed Jun 13 16:37:00 GMT 2012 COMP Start Patrol
Wed Jun 13 16:37:43 GMT 2012 COMP Start Patrol
Wed Jun 13 18:38:10 GMT 2012: PSPT Start Patrol
Wed Jun 13 20:14:57 GMT 2012 H-ALPHA Start Patrol
Wed Jun 13 20:15:52 GMT 2012    CHIP     Start Patrol
Wed Jun 13 20:18:16 GMT 2012 COMP Start Patrol
Wed Jun 13 20:19:44 GMT 2012 COMP End Patrol
Wed Jun 13 20:23:44 GMT 2012 COMP Start Patrol
NOTE BY BEN: Wed Jun 13 20:20:01 GMT 2012
Rebuilt and reinstalled main dome tranmission this morning.
-Note when rebuilding the transmission fully removed the worm gear before trying to install or remove the spur gear. This
should make life easier.
-Transmission was relubrcated with 85W-140 found in the blue bottle in the main dome dog house.
-If the limit switch is removed, it is easier to reinstall with the spring unloaded however this will likely be the incorr
ect position if work was done with the dome closed.  To fix this, disconnect motor cable; open junction box next to shutte
r motor,
jump all four colored wires (not the white ones) that lead to the limit switch [this disables the switch], now reconnect t
he cable, and drive the dome (up?) off the limit switch, disconnect cable, disconnect the two colored pairs of wires adn r
einstall
the wire nuts.  This should  restore full shutter functionatly.
___end___
Wed Jun 13 21:16:02 GMT 2012    MKIV    Start Cal
Wed Jun 13 21:34:43 GMT 2012    MKIV    End Cal
NOTE BY BEN: Wed Jun 13 21:36:12 GMT 2012
some clouds
___end___
Wed Jun 13 21:40:46 GMT 2012    MKIV    Start Patrol
NOTE BY BEN: Wed Jun 13 21:42:12 GMT 2012
Power flucuations.  I think we had a bad one last night since ulua and gong ops were both rebooted
___end___
Wed Jun 13 22:02:15 GMT 2012    CHIP    End Patrol
NOTE BY BEN: Wed Jun 13 22:04:03 GMT 2012
Bigger power hit
___end___
**MKIV PROBLEM COMMENT BY BEN**: Wed Jun 13 22:04:44 GMT 2012
Power caused akamai to reboot
___end___
NOTE BY BEN: Wed Jun 13 22:05:02 GMT 2012
I more power hit, akamai rebooted a second time
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___end___
Wed Jun 13 22:05:17 GMT 2012    CHIP     Start Patrol
Wed Jun 13 22:08:32 GMT 2012    MKIV     Start Patrol
Wed Jun 13 22:08:33 GMT 2012    MKIV     Start Patrol
Wed Jun 13 22:29:58 GMT 2012    CHIP     End Patrol
GONG COMMENT BY BEN: Wed Jun 13 22:33:26 GMT 2012
Gong-ops station rebooted during the last power flucatations
___end___
Wed Jun 13 22:36:12 GMT 2012    CHIP     Start Patrol
Wed Jun 13 22:41:31 GMT 2012    MKIV     Start Patrol
Wed Jun 13 22:45:36 GMT 2012    CHIP     End Patrol
Wed Jun 13 22:46:38 GMT 2012 COMP End Patrol
Wed Jun 13 22:47:40 GMT 2012    MKIV     End Patrol
Wed Jun 13 22:48:31 GMT 2012 H-ALPHA End Patrol
Wed Jun 13 23:54:57 GMT 2012 COMP Start Patrol
Thu Jun 14 00:33:29 GMT 2012 COMP Start Patrol
**GENERAL PROBLEM COMMENT BY BEN**: Thu Jun 14 00:45:41 GMT 2012
Bumped main ups power button with my knee.  Took a while to recover we still dont have oopu, mlsoserver and ulua back yet
___end___
**GENERAL PROBLEM COMMENT BY BEN**: Thu Jun 14 01:02:22 GMT 2012
Ulua has a flashing orange power button while seems to indicate bad powersupply, will investiagte tomorrow
___end___
CoMP COMMENT BY BEN: Thu Jun 14 01:13:35 GMT 2012
When CoMP run recipe starts it creates a image buffer for every ingredient in that recipe.  The bufferes remain in memory
until run recipe closes.  Luckly for us labview doesnt allocate any memory to these buffers until they are filled.
So for mega recipes like 1079_fastdoppler.rcp with hundres of ingredidents, labview ends up using hundress*2MB of memory.
 Since this is a 32bit machine the memory space runs out at 2GB and the program crashes.

I have made a change to the working version of CoMP to just reuse the same image buffer over and over again.  I am not sur
e if it is taking good/proper data since the dome is closed, but I can now pack 1000 ingredidents into a single recipe wit
hout labview
even breaking a sweat (it is only using 250mb of memory).

I will save these 2GB fts files in e:\testing\20120613 incase anyone is interesting in looking at them.
___end___
Thu Jun 14 01:19:45 GMT 2012 COMP End Patrol
Thu Jun 14 01:21:12 GMT 2012
        MkIV


06_13.rawmk4    20_36.rawmk4    21_00.rawmk4    21_40.rawmk4    22_17.rawmk4
20_15.rawmk4    20_39.rawmk4    21_03.rawmk4    21_43.rawmk4    22_32.rawmk4
20_19.rawmk4    20_42.rawmk4    21_06.rawmk4    21_46.rawmk4    22_41.rawmk4
20_21.rawmk4    20_45.rawmk4    21_09.rawmk4    21_49.rawmk4    22_44.rawmk4
20_24.rawmk4    20_48.rawmk4    21_12.rawmk4    21_52.rawmk4    33_12.rawmk4
20_27.rawmk4    20_51.rawmk4    21_19.rawmk4    21_55.rawmk4    c21_16.rawmk4
20_30.rawmk4    20_54.rawmk4    21_25.rawmk4    21_58.rawmk4    c21_22.rawmk4
20_33.rawmk4    20_57.rawmk4    21_31.rawmk4    22_08.rawmk4    c21_28.rawmk4
```