
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 ins tall 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 do g house.

-If the limit switch is removed, it is easier to reinstall with the spring unloaded how ever this will likely be the incorrect position if work was done with the dome closed.

To fix this, disconnect motor cable; open junction box next to shutter motor, jump all four colored wires (not the white ones) that lead to the limit switch [this di sables the switch], now reconnect the cable, and drive the dome (up?) off the limit swi tch, disconnect cable, disconnect the two colored pairs of wires adn reinstall 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 bo th 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

____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 flucutations

____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 i nvestiage 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. Luckily for us labview does nt 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 sure if it is taking good/proper data since the dome is closed, but I can now pack 1000 ingredidents into a single recipe without 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