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Mauna Loa Solar Observatory Observer's Log

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Wed Jun 29 16:18:15 GMT 2016

Year: 16 Doy: 181

Observer: berkey

WEATHER COMMENT: berkey: Wed Jun 29 16:18:24 GMT 2016

Temp: 41.1f, Humidity: 39%, Pressure: 28.813in, Wind: 5mph from 174deg, Skies: cirrus overcast

end

Wed Jun 29 19:49:02 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Wed Jun 29 19:52:48 GMT 2016 COMP End Patrol  
Wed Jun 29 19:54:45 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Wed Jun 29 19:58:26 GMT 2016 COMP End Patrol  
Wed Jun 29 20:09:43 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Wed Jun 29 20:10:53 GMT 2016 COMP End Patrol  
Wed Jun 29 20:13:24 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Wed Jun 29 20:15:47 GMT 2016 COMP End Patrol  
Wed Jun 29 22:25:39 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Wed Jun 29 22:30:59 GMT 2016 COMP End Patrol  
Wed Jun 29 22:37:41 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Wed Jun 29 22:38:44 GMT 2016 COMP End Patrol  
Wed Jun 29 22:45:24 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Wed Jun 29 22:46:52 GMT 2016 COMP End Patrol  
Wed Jun 29 23:04:09 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Wed Jun 29 23:48:58 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Wed Jun 29 23:57:59 GMT 2016 COMP End Patrol  
Thu Jun 30 00:02:02 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Thu Jun 30 00:05:32 GMT 2016 COMP End Patrol  
Thu Jun 30 00:09:05 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Thu Jun 30 00:12:42 GMT 2016 COMP End Patrol  
Thu Jun 30 00:46:22 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Thu Jun 30 00:49:53 GMT 2016 COMP End Patrol  
Thu Jun 30 01:03:16 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Thu Jun 30 01:05:58 GMT 2016 COMP End Patrol  
Thu Jun 30 01:07:16 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Thu Jun 30 01:10:49 GMT 2016 COMP End Patrol  
Thu Jun 30 01:10:49 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Thu Jun 30 01:14:35 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Thu Jun 30 01:16:03 GMT 2016 COMP End Patrol  
Thu Jun 30 01:16:16 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Thu Jun 30 01:16:46 GMT 2016 COMP End Patrol  
Thu Jun 30 01:17:09 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Thu Jun 30 01:19:43 GMT 2016 COMP End Patrol  
Thu Jun 30 01:22:43 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Thu Jun 30 01:28:10 GMT 2016 COMP Start Patrol on cookbook: synoptic-00007.cbk  
Thu Jun 30 01:28:20 GMT 2016 COMP End Patrol  
Thu Jun 30 01:28:25 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Thu Jun 30 01:31:55 GMT 2016 COMP End Patrol  
Thu Jun 30 01:32:09 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Thu Jun 30 01:35:32 GMT 2016 COMP End Patrol  
Thu Jun 30 02:16:07 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Thu Jun 30 02:19:38 GMT 2016 COMP End Patrol  
Thu Jun 30 02:19:39 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Thu Jun 30 02:23:02 GMT 2016 COMP End Patrol  
Thu Jun 30 02:23:02 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk  
Thu Jun 30 02:26:24 GMT 2016 COMP Start Patrol on cookbook: cadtest.cbk

CoMP COMMENT BY berkey: Thu Jun 30 03:46:20 GMT 2016

Spend a bit more time with the forked CoMP code looking at how to move data around for UCoMP. And also just trying to understand everything that CoMP does under the hood.

By moving the disk access out of Run Recipe and some other tweaks I have been able to save 2 seconds off the waves recipe (1074\_QU\_3\_250ms\_2beam.rcp). And it looks like the timing between the successive data files is more predictable than the deployed comp code timing.

The bad news is I think I am doing something wrong; the fastest I should be able to chew

though a waves recipe is 24.50 seconds accounting for camera read time and lcvr relaxation time. However at last check I am able to run a waves recipe in 23.8+.05 seconds.

Right now I cannot account for the .7seconds+over head of running the code. I think there may be some small error the way we Calculate the LCNT value in labview. The manual claims we should use 4.1666 as a magic number but the code uses 4.166. I havent yet gone back to see if this is enough to clear up the problem, but it seems like the magnitude of the error is too small to explain it.

We are now running the unedited code.

\_\_\_\_end\_\_\_\_