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Mauna Loa Solar Observatory Observer's Log  
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Sun Sep 13 16:58:27 GMT 1998

Year: 98 Doy: 256

Observer: koon

WEATHER COMMENT: Sun Sep 13 16:58:43 GMT 1998

Clear sky, wind=5 mph from the South, temp=48 F.

Sun Sep 13 16:59:31 GMT 1998 CHIP Startup--Initializing new tape

Sun Sep 13 17:04:57 GMT 1998 MKIII Start Patrol

Sun Sep 13 17:05:14 GMT 1998 PICS Start Patrol

Sun Sep 13 17:05:14 GMT 1998 PICS Start Patrol

Sun Sep 13 18:00:40 GMT 1998 PICS Flat

Sun Sep 13 18:02:13 GMT 1998 PICS End Flat

Sun Sep 13 18:02:52 GMT 1998 CHIP Bias

Sun Sep 13 18:03:52 GMT 1998 CHIP End Bias

Sun Sep 13 18:04:04 GMT 1998 CHIP Water

Sun Sep 13 18:04:54 GMT 1998 CHIP End Water

Sun Sep 13 18:51:59 GMT 1998 MKIII Start Patrol

Sun Sep 13 19:00:43 GMT 1998 PICS Flat

Sun Sep 13 19:02:14 GMT 1998 PICS End Flat

Sun Sep 13 19:02:59 GMT 1998 CHIP Bias

Sun Sep 13 19:03:56 GMT 1998 CHIP End Bias

Sun Sep 13 19:04:08 GMT 1998 CHIP Water

Sun Sep 13 19:04:54 GMT 1998 CHIP End Water

\*\*MKIII PROBLEM\*\*: Sun Sep 13 19:14:08 GMT 1998

The animation display hasn't been working, the window doesn't even appear.

Possible pertinent cmdtool window output:

----imconv----

/local/usr/local/bin/imconv: Not enough space

cp: cannot access temp.gif

/local/d/Data/MkIII/19\_09.rawmk3.gif: No such file or directory

That was for the last scan. I hoped that running the cal would clear the problem but it didn't, so I stopped the scans and restarted Patrol but that didn't work, so I stopped scans using End Day then did a New Day and Patrol but the problem still exists.

\*\*MKIII PROBLEM\*\*: Sun Sep 13 19:22:27 GMT 1998

Sometimes there aren't any imconv error messages and the gif file actually exists in the data directory, but nothing gets animated. The scan data are there in the directory.

Sun Sep 13 19:29:52 GMT 1998 MKIII Start Patrol

\*\*MKIII PROBLEM\*\*: Sun Sep 13 19:34:01 GMT 1998

As one last test I stopped Patrol and reset the KCC then restarted Patrol but there is still no animation. When I type df I don't see any filled filesystem partitions. Will proceed without the aid of the animations.

\*\*MKIII PROBLEM\*\*: Sun Sep 13 19:50:36 GMT 1998

OK, now the animation is back, I don't understand why.

Sun Sep 13 20:00:35 GMT 1998 PICS Flat  
Sun Sep 13 20:02:03 GMT 1998 PICS End Flat  
Sun Sep 13 20:03:00 GMT 1998 CHIP Gain  
Sun Sep 13 20:07:36 GMT 1998 CHIP End Gain  
Sun Sep 13 20:07:47 GMT 1998 CHIP Bias  
Sun Sep 13 20:08:39 GMT 1998 CHIP End Bias  
Sun Sep 13 20:08:52 GMT 1998 CHIP Water  
Sun Sep 13 20:09:31 GMT 1998 CHIP End Water

COMMENT: Sun Sep 13 20:22:35 GMT 1998

Extended the dome slot.

WEATHER COMMENT: Sun Sep 13 20:59:56 GMT 1998

Orographic clouds are starting to pass over.

Sun Sep 13 21:00:38 GMT 1998 PICS Flat  
Sun Sep 13 21:01:04 GMT 1998 CHIP Bias  
Sun Sep 13 21:02:10 GMT 1998 PICS End Flat  
Sun Sep 13 21:02:10 GMT 1998 CHIP End Bias  
Sun Sep 13 21:02:21 GMT 1998 CHIP Water  
Sun Sep 13 21:03:04 GMT 1998 CHIP End Water

\*\*PSPT PROBLEM\*\* Sun Sep 13 21:43:54 GMT 1998

After some clouds passed over, the guider must have lost lock on the sun.

It seems that when that happens it is never able to re-lock on the sun,  
and observations stall with the typical repetitive message about

"check sky conditions, press q to quit". If you let it sit then it will

never observe again. What is a good "bandaid" recovery is to type

CTRL-C to get to the IDL prompt, then exit to the regular prompt and

type Restart to continue with observations. It would be great if the

regular program tried to find the sun again (in the way that Restart does)

after it senses that it is just sitting there testing for sunlight for

an extended length of time. It doesn't do any good to test for sunlight

if the guider isn't close enough to see that the sun is out and bright.

Couldn't a more coarse correction be made after maybe 10 minutes of

testing for sunlight and spewing out "check sky conditions..."

messages?

Sun Sep 13 22:00:39 GMT 1998 PICS Flat  
Sun Sep 13 22:00:50 GMT 1998 CHIP Bias  
Sun Sep 13 22:02:04 GMT 1998 PICS End Flat  
Sun Sep 13 22:02:04 GMT 1998 PICS End Flat  
Sun Sep 13 22:02:14 GMT 1998 CHIP Water  
Sun Sep 13 22:03:00 GMT 1998 CHIP End Water  
Sun Sep 13 22:21:35 GMT 1998 PICS End Patrol  
Sun Sep 13 22:21:35 GMT 1998 PICS End Patrol  
Sun Sep 13 22:27:08 GMT 1998 CHIP ending tape

COMMENT: Sun Sep 13 22:40:13 GMT 1998

TAPES:

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PICS: P01292

CHIP: C00689

LOWL: L00543 in drive #1

Sun Sep 13 22:42:15 GMT 1998

MkIII

17_05.rawmk3	18_06.rawmk3	19_15.rawmk3	20_19.rawmk3	21_18.rawmk3
17_08.rawmk3	18_12.rawmk3	19_18.rawmk3	20_22.rawmk3	21_21.rawmk3
17_11.rawmk3	18_18.rawmk3	19_21.rawmk3	20_25.rawmk3	21_24.rawmk3
17_13.rawmk3	18_22.rawmk3	19_29.rawmk3	20_28.rawmk3	21_26.rawmk3
17_16.rawmk3	18_24.rawmk3	19_32.rawmk3	20_31.rawmk3	21_29.rawmk3
17_19.rawmk3	18_27.rawmk3	19_35.rawmk3	20_34.rawmk3	21_32.rawmk3
17_22.rawmk3	18_30.rawmk3	19_38.rawmk3	20_37.rawmk3	21_35.rawmk3
17_25.rawmk3	18_33.rawmk3	19_41.rawmk3	20_40.rawmk3	21_38.rawmk3
17_28.rawmk3	18_36.rawmk3	19_44.rawmk3	20_43.rawmk3	21_41.rawmk3
17_31.rawmk3	18_39.rawmk3	19_47.rawmk3	20_46.rawmk3	21_44.rawmk3
17_34.rawmk3	18_42.rawmk3	19_50.rawmk3	20_48.rawmk3	21_47.rawmk3
17_37.rawmk3	18_45.rawmk3	19_53.rawmk3	20_51.rawmk3	21_50.rawmk3
17_40.rawmk3	18_48.rawmk3	19_56.rawmk3	20_54.rawmk3	21_53.rawmk3
17_43.rawmk3	18_52.rawmk3	19_59.rawmk3	20_57.rawmk3	21_56.rawmk3
17_46.rawmk3	18_54.rawmk3	20_02.rawmk3	21_00.rawmk3	21_59.rawmk3
17_48.rawmk3	18_57.rawmk3	20_05.rawmk3	21_03.rawmk3	22_02.rawmk3
17_51.rawmk3	19_00.rawmk3	20_08.rawmk3	21_06.rawmk3	22_04.rawmk3
17_54.rawmk3	19_05.rawmk3	20_10.rawmk3	21_09.rawmk3	c18_03.rawmk3
17_57.rawmk3	19_09.rawmk3	20_13.rawmk3	21_12.rawmk3	c18_09.rawmk3
18_00.rawmk3	19_12.rawmk3	20_16.rawmk3	21_15.rawmk3	c18_15.rawmk3