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Mauna Loa Solar Observatory Observer's Log  
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Tue Dec 1 17:03:52 GMT 1998

Year: 98 Doy: 335

Observer: yasukawa

WEATHER COMMENT: Tue Dec 1 17:04:53 GMT 1998

Cold, broken cirrus, strong southeast wind approximately 30 mph.

Tue Dec 1 17:06:23 GMT 1998 CHIP Startup--Initializing new tape

Tue Dec 1 17:11:12 GMT 1998 CHIP CHIP Start Patrol

Tue Dec 1 17:11:27 GMT 1998 PICS Start Patrol

Tue Dec 1 17:11:58 GMT 1998 MKIII Start Patrol

\*\*LOW-L PROBLEM\*\*: Tue Dec 1 17:23:12 GMT 1998

It is cold and I had a hard time getting out of bed this morning, apparently LOWL is having the same problem. It has not woke up yet. Unloading L00559 from drive 1, cleaning both drives, loading L00560 into drive 1 and restarting LOWL. Data should write to L00560 in drive 0.

\*\*MKIV PROBLEM\*\*: Tue Dec 1 17:28:41 GMT 1998

MKIV scan looks very streaky (radial streaks).

\*\*LOW-L PROBLEM\*\*: Tue Dec 1 17:29:31 GMT 1998

Time and date are 77/77/77 and 77:77:77.

LOWL did not wake up upon reset. Powering down and up.

\*\*LOW-L PROBLEM\*\*: Tue Dec 1 17:33:46 GMT 1998

Looks llike there is a problem with the CTS-10 board or antenna connection.

Tue Dec 1 18:00:34 GMT 1998 PICS Flat

Tue Dec 1 18:02:06 GMT 1998 PICS End Flat

Tue Dec 1 18:02:55 GMT 1998 CHIP Bias

WEATHER COMMENT: Tue Dec 1 18:03:35 GMT 1998

Thick and fairly extensive cirrus moved over. Stopping MKIII/IV.

Tue Dec 1 18:04:03 GMT 1998 CHIP Water

\*\*MKIII PROBLEM\*\*: Tue Dec 1 18:04:47 GMT 1998

Listened to barrel as requested by Alice. At this time, it sounds normal and the drive motor is running smoothly with no detectable vibration (jerkyness). Half-wave plate drive sounds OK.

Tue Dec 1 18:10:03 GMT 1998 MKIII End Patrol

Tue Dec 1 19:00:33 GMT 1998 PICS Flat

Tue Dec 1 19:01:54 GMT 1998 CHIP Bias

Tue Dec 1 19:02:03 GMT 1998 PICS End Flat

Tue Dec 1 19:02:50 GMT 1998 CHIP End Bias

Tue Dec 1 19:03:00 GMT 1998 CHIP Water

Tue Dec 1 19:03:38 GMT 1998 CHIP End Water

Tue Dec 1 19:27:32 GMT 1998 PICS End Patrol

Tue Dec 1 19:45:39 GMT 1998 PICS Start Patrol

WEATHER COMMENT: Tue Dec 1 19:48:45 GMT 1998

Cirrus thinning and breaking up.

Tue Dec 1 19:49:02 GMT 1998 MKIII Start Patrol

Tue Dec 1 20:00:49 GMT 1998 CHIP Gain  
Tue Dec 1 20:01:36 GMT 1998 PICS Flat  
Tue Dec 1 20:03:18 GMT 1998 PICS End Flat  
Tue Dec 1 20:05:16 GMT 1998 CHIP End Gain  
Tue Dec 1 20:05:31 GMT 1998 CHIP Bias  
Tue Dec 1 20:06:25 GMT 1998 CHIP End Bias  
Tue Dec 1 20:06:35 GMT 1998 CHIP Water  
Tue Dec 1 20:07:10 GMT 1998 CHIP End Water

\*\*MKIV PROBLEM\*\* : Tue Dec 1 20:29:07 GMT 1998

MKIII image looks good, barrel running smoothly and wave-plate is too--checked waveform and timing is stable. MKIV is very streaky on KCC display. Monitor scope waveform looks OK.

WEATHER COMMENT: Tue Dec 1 20:32:10 GMT 1998  
Clear hole.

\*\*LOW-L PROBLEM\*\* : Tue Dec 1 20:33:37 GMT 1998

LOWL is running, time and date is OK now. Unsure what happened and when. Data is writing to L00560 in drive 0.

LOW-L COMMENT: Tue Dec 1 20:35:23 GMT 1998

Some of the funny numbers are residually still up on the display beyond the correct date and time. Only a cosmetic problem.

Tue Dec 1 20:40:33 GMT 1998 MKIII Start Cal  
Tue Dec 1 21:00:42 GMT 1998 MKIII Start Patrol  
Tue Dec 1 21:01:34 GMT 1998 PICS Flat  
Tue Dec 1 21:01:50 GMT 1998 CHIP Bias  
Tue Dec 1 21:02:43 GMT 1998 CHIP End Bias  
Tue Dec 1 21:02:53 GMT 1998 CHIP Water  
Tue Dec 1 21:03:10 GMT 1998 PICS End Flat  
Tue Dec 1 21:03:32 GMT 1998 CHIP End Water

\*\*LOW-L PROBLEM\*\* : Tue Dec 1 21:10:24 GMT 1998

Time is off by +1 hour.

\*\*LOW-L PROBLEM\*\* : Tue Dec 1 21:12:48 GMT 1998

Stopping LOWL and checking out time.

\*\*LOW-L PROBLEM\*\* : Tue Dec 1 21:16:06 GMT 1998

reset PC and restarting tape. Time now OK.

WEATHER COMMENT: Tue Dec 1 21:33:28 GMT 1998  
In cirrus again.

Tue Dec 1 21:39:21 GMT 1998 MKIII End Patrol

COMMENT: Tue Dec 1 21:39:51 GMT 1998

Spar bumped into my barrel listening post (ladder).

Tue Dec 1 21:57:32 GMT 1998 MKIII Start Patrol  
Tue Dec 1 22:01:25 GMT 1998 PICS Flat  
Tue Dec 1 22:01:48 GMT 1998 CHIP Bias  
Tue Dec 1 22:02:51 GMT 1998 PICS End Flat  
Tue Dec 1 22:03:00 GMT 1998 CHIP End Bias  
Tue Dec 1 22:03:10 GMT 1998 CHIP Water  
Tue Dec 1 22:03:49 GMT 1998 CHIP End Water

\*\*MKIV PROBLEM\*\* : Tue Dec 1 22:08:57 GMT 1998  
David called, we tried entering the following onto akamai:

vsync

flcStart

then started MKIV up again... it was on standby due to cirrus.  
Still getting radial streaks. David will take a look at the data  
and leave us email on a solution, if any, or a means to check  
the synchronization with the 1/2-wave plate using a PC monitor  
hooked up to the MKIV signal.

MKIII End Patrol  
Tue Dec 1 22:11:48 GMT 1998 PICS End Patrol  
Tue Dec 1 22:13:29 GMT 1998 CHIP CHIP End Patrol  
Tue Dec 1 22:14:05 GMT 1998 CHIP ending tape  
COMMENT: Tue Dec 1 22:14:35 GMT 1998

TAPES:

MKIV: 98-335  
PICS: P01347  
CHIP: C00734  
LOWL: L00560

Tue Dec 1 22:17:25 GMT 1998  
MkIII

17_12.rawmk3	17_50.rawmk3	20_08.rawmk3	20_57.rawmk3	21_36.rawmk3
17_15.rawmk3	17_54.rawmk3	20_11.rawmk3	21_00.rawmk3	21_57.rawmk3
17_18.rawmk3	17_57.rawmk3	20_14.rawmk3	21_04.rawmk3	22_02.rawmk3
17_21.rawmk3	18_00.rawmk3	20_18.rawmk3	21_07.rawmk3	22_05.rawmk3
17_25.rawmk3	18_03.rawmk3	20_21.rawmk3	21_10.rawmk3	22_08.rawmk3
17_28.rawmk3	18_06.rawmk3	20_24.rawmk3	21_13.rawmk3	c20_40.rawmk3
17_31.rawmk3	19_49.rawmk3	20_27.rawmk3	21_16.rawmk3	c20_47.rawmk3
17_34.rawmk3	19_52.rawmk3	20_30.rawmk3	21_20.rawmk3	c20_54.rawmk3
17_37.rawmk3	19_55.rawmk3	20_34.rawmk3	21_23.rawmk3	
17_41.rawmk3	19_58.rawmk3	20_37.rawmk3	21_26.rawmk3	
17_44.rawmk3	20_01.rawmk3	20_43.rawmk3	21_29.rawmk3	
17_47.rawmk3	20_05.rawmk3	20_50.rawmk3	21_33.rawmk3	