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Mauna Loa Solar Observatory Observer's Log  
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Wed Jan 20 17:33:11 GMT 1999

Year: 99 Doy: 020

Observer: koon

WEATHER COMMENT: Wed Jan 20 17:34:09 GMT 1999

Clear sky, wind=5 mph from the SSE, temp=40 F.

Wed Jan 20 17:35:38 GMT 1999 CHIP Startup--Initializing new tape

Wed Jan 20 17:39:55 GMT 1999 MKIII Start Patrol

Wed Jan 20 17:40:07 GMT 1999 CHIP CHIP Start Patrol

Wed Jan 20 17:42:24 GMT 1999 PICS Start Patrol

Wed Jan 20 18:01:40 GMT 1999 PICS Flat

Wed Jan 20 18:01:49 GMT 1999 CHIP Bias

Wed Jan 20 18:02:42 GMT 1999 CHIP End Bias

Wed Jan 20 18:02:57 GMT 1999 CHIP Water

Wed Jan 20 18:03:08 GMT 1999 PICS End Flat

Wed Jan 20 18:03:41 GMT 1999 CHIP End Water

Wed Jan 20 18:18:44 GMT 1999 MKIII Start Cal

Wed Jan 20 18:39:02 GMT 1999 MKIII Start Patrol

\*\*\*\* EVENT COMMENT \*\*\*\*: Wed Jan 20 19:00:27 GMT 1999

CME in progress at PA=75.

99 CHIP Bias

Wed Jan 20 19:01:30 GMT 1999 PICS Flat

Wed Jan 20 19:01:52 GMT 1999 CHIP End Bias

Wed Jan 20 19:02:07 GMT 1999 CHIP Water

Wed Jan 20 19:02:48 GMT 1999 CHIP End Water

Wed Jan 20 19:03:10 GMT 1999 PICS End Flat

\*\*LOW-L PROBLEM\*\*: Wed Jan 20 19:16:23 GMT 1999

Clock was still 11 seconds slow this morning. I stopped the program, but before I could check the DOS clock the program tried to start again and I cycled the PC power. When it started up again I stopped the batch file and checked the DOS clock, it was right on. So I started the program by typing in "lowl", it came up with the correct time. But it also started with the correct time after I verified the DOS clock on Sunday when I first started it up with the new code. So despite starting with the correct time on Sunday something caused the clock to slow by 11 seconds by Tuesday. At least the difference was precise, it was still off by 11 seconds today. I removed L00572 from drive #0 and moved L00573 from drive #1 to drive #0, installed L00574 in drive #1.

\*\*\*\* EVENT COMMENT \*\*\*\*: Wed Jan 20 19:35:16 GMT 1999

That CME at PA=75 is still in progress and has evolved into a very nice one.

Wed Jan 20 20:00:47 GMT 1999 CHIP Gain

Wed Jan 20 20:01:35 GMT 1999 PICS Flat

Wed Jan 20 20:03:01 GMT 1999 PICS End Flat

Wed Jan 20 20:05:07 GMT 1999 CHIP End Gain

Wed Jan 20 20:05:18 GMT 1999 CHIP Bias

Wed Jan 20 20:06:07 GMT 1999 CHIP End Bias

Wed Jan 20 20:06:23 GMT 1999 CHIP Water

Wed Jan 20 20:07:03 GMT 1999 CHIP End Water

Wed Jan 20 21:01:34 GMT 1999 PICS Flat

Wed Jan 20 21:01:57 GMT 1999 CHIP Bias

Wed Jan 20 21:02:50 GMT 1999 CHIP End Bias

Wed Jan 20 21:03:00 GMT 1999 CHIP Water

Wed Jan 20 21:03:00 GMT 1999 CHIP Water

Wed Jan 20 21:03:41 GMT 1999 CHIP End Water

\*\*\*\* EVENT COMMENT \*\*\*\*: Wed Jan 20 21:10:26 GMT 1999

It looks like post-flare loops have formed at the AR near PA=75, or it could be an EPL in progress.

\*\*LOW-L PROBLEM\*\*: Wed Jan 20 21:45:34 GMT 1999

Something funny is happening with the time, it is 11 seconds slow again according to the display on the lowl observing screen.

Wed Jan 20 22:00:48 GMT 1999 CHIP Bias

Wed Jan 20 22:01:42 GMT 1999 CHIP End Bias

Wed Jan 20 22:01:42 GMT 1999 CHIP End Bias

Wed Jan 20 22:01:55 GMT 1999 CHIP Water

Wed Jan 20 22:02:49 GMT 1999 CHIP End Water

Wed Jan 20 22:03:12 GMT 1999 PICS End Flat

\*\*PSPT PROBLEM\*\*:  
Wed Jan 20 22:12:26 GMT 1999

The images look pretty dark on the East sides. The dome isn't blocking the sun and the sky is clear.

\*\*LOW-L PROBLEM\*\*:  
Wed Jan 20 22:33:48 GMT 1999

I stopped observing to modify fixtime.c (after talking to David). Before now this program would use the DOS clock only if the cts clock jumped more than 15 seconds, but it was apparently jumping in 11 second increments. So I'll change it to use the DOS clock if the difference is greater than 5 seconds. Also, this program will set the DOS clock to the cts clock if the difference is less than 5 seconds. After I stopped the program I found that the DOS clock was indeed set 11 seconds slow.

Wed Jan 20 23:00:49 GMT 1999 CHIP Bias

Wed Jan 20 23:01:30 GMT 1999 PICS Flat

Wed Jan 20 23:01:50 GMT 1999 CHIP End Bias

Wed Jan 20 23:01:59 GMT 1999 CHIP Water

Wed Jan 20 23:02:35 GMT 1999 CHIP End Water

Wed Jan 20 23:02:56 GMT 1999 PICS End Flat

\*\*LOW-L PROBLEM\*\*:  
Wed Jan 20 23:17:25 GMT 1999

OK, the changes are made and the program is up and running. The best way to set the clock is to reboot the PC or cycle the PC power, I think.

So I left the autoexec.bat "lowl" command in place for now.

Wed Jan 20 23:20:26 GMT 1999 CHIP CHIP End Patrol

Wed Jan 20 23:20:36 GMT 1999 PICS End Patrol

Wed Jan 20 23:23:03 GMT 1999 MKIII End Patrol

Wed Jan 20 23:23:04 GMT 1999 CHIP ending tape

MKIV COMMENT:  
Wed Jan 20 23:27:29 GMT 1999

I'll set the @GB Hard Disk Drive SCSI ID back to 1 and restart Nahenahe with a boot -r after I finish with the log.

COMMENT:  
Wed Jan 20 23:28:55 GMT 1999

TAPES:

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MKIV: 99020

CHIP: C00765

PICS: P01378

LOWL: L00572, L00573, and L00574 in drive #0 due to clock problems.

Wed Jan 20 23:30:56 GMT 1999

MkIII

17_40.rawmk3	19_01.rawmk3	20_12.rawmk3	21_23.rawmk3	22_34.rawmk3
17_43.rawmk3	19_04.rawmk3	20_15.rawmk3	21_26.rawmk3	22_37.rawmk3
17_46.rawmk3	19_08.rawmk3	20_19.rawmk3	21_30.rawmk3	22_41.rawmk3
17_49.rawmk3	19_11.rawmk3	20_22.rawmk3	21_33.rawmk3	22_44.rawmk3
17_53.rawmk3	19_14.rawmk3	20_25.rawmk3	21_36.rawmk3	22_47.rawmk3
17_56.rawmk3	19_17.rawmk3	20_28.rawmk3	21_39.rawmk3	22_50.rawmk3
17_59.rawmk3	19_21.rawmk3	20_32.rawmk3	21_43.rawmk3	22_54.rawmk3
18_02.rawmk3	19_24.rawmk3	20_35.rawmk3	21_46.rawmk3	22_57.rawmk3
18_05.rawmk3	19_27.rawmk3	20_38.rawmk3	21_49.rawmk3	23_00.rawmk3
18_09.rawmk3	19_30.rawmk3	20_41.rawmk3	21_52.rawmk3	23_03.rawmk3
18_12.rawmk3	19_34.rawmk3	20_45.rawmk3	21_55.rawmk3	23_07.rawmk3
18_15.rawmk3	19_37.rawmk3	20_48.rawmk3	21_59.rawmk3	23_10.rawmk3
18_22.rawmk3	19_40.rawmk3	20_51.rawmk3	22_02.rawmk3	23_13.rawmk3
18_29.rawmk3	19_43.rawmk3	20_54.rawmk3	22_05.rawmk3	23_16.rawmk3
18_35.rawmk3	19_46.rawmk3	20_57.rawmk3	22_08.rawmk3	23_19.rawmk3
18_39.rawmk3	19_50.rawmk3	21_01.rawmk3	22_12.rawmk3	c18_18.rawmk3
18_42.rawmk3	19_53.rawmk3	21_04.rawmk3	22_15.rawmk3	c18_25.rawmk3
18_45.rawmk3	19_56.rawmk3	21_07.rawmk3	22_18.rawmk3	c18_32.rawmk3
18_48.rawmk3	19_59.rawmk3	21_10.rawmk3	22_21.rawmk3	
18_52.rawmk3	20_03.rawmk3	21_14.rawmk3	22_25.rawmk3	
18_55.rawmk3	20_06.rawmk3	21_17.rawmk3	22_28.rawmk3	
18_58.rawmk3	20_09.rawmk3	21_20.rawmk3	22_31.rawmk3	