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Mauna Loa Solar Observatory Observer's Log  
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Wed Dec 15 17:10:30 GMT 1999

Year: 99 Doy: 349

Observer: koon

WEATHER COMMENT: Wed Dec 15 17:10:31 GMT 1999

Clear sky, wind=10 mph from the SSE, temp=38 F.

ializing new tape

Wed Dec 15 17:17:44 GMT 1999 MKIV Start Patrol

Wed Dec 15 17:18:03 GMT 1999 CHIP CHIP Start Patrol

Wed Dec 15 17:18:03 GMT 1999 CHIP CHIP Start Patrol

\*\*CHIP PROBLEM\*\* Wed Dec 15 17:48:44 GMT 1999

Stalled with Program:Velocity, last lines on console window were:

M2M2

T00249T00249

Tape: sending ...Tape: sending ... done

Tape: sending ...Tape: sending ... done

prompt...READY

Optics status 14 2

Start Velocity

Optics: got 2

Optics Sending 14 255

1 2 1083150

Optics status 14 2

\*\*CHIP PROBLEM\*\* Wed Dec 15 17:50:46 GMT 1999

Stalled again the same way, last lines in console window are:

M1M1

T00024T00024

prompt...READY

M2M2

T-0213T-0213

Tape: sending ...Tape: sending ... done

Tape: sending ...Tape: sending ... done  
prompt...READY

Optics status 14 2  
Start Velocity  
Optics: got 2  
Optics Sending 14 255  
1 2 1083150  
Optics status 14 2  
Wed Dec 15 18:02:39 GMT 1999 PICS Flat  
Wed Dec 15 18:05:14 GMT 1999 PICS End Flat  
\*\*CHIP PROBLEM\*\*: Wed Dec 15 18:07:11 GMT 1999  
Stalled same place, last lines:  
M1M1

T00026T00026

prompt...READY

Optics status 14 2  
Tape: sending ...Tape: sending ... done  
Start Velocity  
Tape: sending ...Tape: sending ... done  
Optics: got 2  
Optics Sending 14 255  
1 2 1083150  
Optics status 14 2  
Wed Dec 15 18:09:44 GMT 1999 CHIP Bias  
Wed Dec 15 18:11:00 GMT 1999 CHIP End Bias  
Wed Dec 15 18:11:12 GMT 1999 CHIP Water  
Wed Dec 15 18:12:06 GMT 1999 CHIP End Water  
\*\*CHIP PROBLEM\*\*: Wed Dec 15 18:28:17 GMT 1999  
Here is a regular sequence:  
M1M1

T00013T00013

prompt...READY

Optics status 14 2  
Start Velocity  
Tape: sending ...Tape: sending ... done  
Optics: got 2  
Optics Sending 14 255

1 2 1083150  
Optics status 14 2  
Tape: sending ...Tape: sending ... done  
Optics: got 2  
Optics Sending 14 255  
1 2 1082910  
Optics status 14 2  
Tape: sending ...Tape: sending ... done  
End Velocity  
2730  
Tape: sending ...Tape: sending ... done  
Optics: got 2  
Optics Sending 14 255  
1 2 1083030  
Optics status 14 2  
Setting 9 0  
Optics: got 2  
Optics Sending 14 255  
1 2 1083150  
Optics status 14 2  
Setting 9 0  
2830  
Optics: got 2  
Optics Sending 14 255  
1 2 1083030  
Optics status 14 2  
Optics: got 2  
Optics Sending 14 255  
1 2 1083150  
Optics status 14 2

etcetera

There was no stall in the sequence above, I included it for comparison.

Wed Dec 15 18:54:32 GMT 1999 CHIP CHIP End Patrol

CHIP COMMENT: Wed Dec 15 18:55:35 GMT 1999

David changed the software and removed the diagnostics, I did an End then started Patrol again to install the new stuff.

Wed Dec 15 19:02:07 GMT 1999 CHIP Bias

Wed Dec 15 19:03:19 GMT 1999 CHIP End Bias

Wed Dec 15 19:03:43 GMT 1999 CHIP Water

Wed Dec 15 19:04:47 GMT 1999 CHIP End Water

Wed Dec 15 20:03:08 GMT 1999 CHIP Gain

\*\*CHIP PROBLEM\*\*: Wed Dec 15 20:18:55 GMT 1999

Stalled during cal despite new code, David is looking at problem.

Wed Dec 15 20:19:59 GMT 1999 CHIP End Gain

Wed Dec 15 20:20:10 GMT 1999 CHIP Bias

\*\*\*\* EVENT COMMENT \*\*\*\*: Wed Dec 15 20:20:21 GMT 1999

Small CME in progress at PA=125, started around 1935, noticed by David.

Wed Dec 15 20:21:15 GMT 1999 CHIP End Bias  
Wed Dec 15 20:21:30 GMT 1999 CHIP Water  
Wed Dec 15 20:22:27 GMT 1999 CHIP End Water  
Wed Dec 15 21:02:01 GMT 1999 CHIP Bias  
Wed Dec 15 21:03:06 GMT 1999 CHIP End Bias  
Wed Dec 15 21:03:21 GMT 1999 CHIP Water  
Wed Dec 15 21:04:15 GMT 1999 CHIP End Water  
\*\*CHIP PROBLEM\*\* Wed Dec 15 21:26:44 GMT 1999  
Stalled:  
M1M1

T-0012T-0012

prompt...READY

Optics status 14 2  
Tape: sending ...Tape: sending ... done  
Start Velocity  
Tape: sending ...Tape: sending ... done  
Optics: got 2  
Optics Sending 14 255  
1 2 1083150  
Optics status 14 2  
Wed Dec 15 22:02:03 GMT 1999 CHIP Bias  
Wed Dec 15 22:03:01 GMT 1999 CHIP End Bias  
Wed Dec 15 22:03:17 GMT 1999 CHIP Water  
Wed Dec 15 22:04:12 GMT 1999 CHIP End Water  
Wed Dec 15 22:43:43 GMT 1999 PICS End Patrol  
Wed Dec 15 22:46:32 GMT 1999 CHIP CHIP End Patrol  
Wed Dec 15 23:01:20 GMT 1999 CHIP ending tape  
COMMENT: Wed Dec 15 23:05:01 GMT 1999

TAPES:  
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MKIV: 99349  
CHIP: C00990  
PICS: P01614  
LOWL: L00652 in drive #0

Wed Dec 15 23:06:10 GMT 1999  
MkIV

17_17.rawmk4	18_23.rawmk4	19_29.rawmk4	20_35.rawmk4	21_50.rawmk4
17_20.rawmk4	18_26.rawmk4	19_32.rawmk4	20_38.rawmk4	21_53.rawmk4
17_23.rawmk4	18_29.rawmk4	19_35.rawmk4	20_41.rawmk4	21_56.rawmk4
17_26.rawmk4	18_32.rawmk4	19_38.rawmk4	20_44.rawmk4	21_59.rawmk4

17_29.rawmk4	18_35.rawmk4	19_41.rawmk4	20_50.rawmk4	22_02.rawmk4
17_32.rawmk4	18_38.rawmk4	19_44.rawmk4	20_57.rawmk4	22_05.rawmk4
17_35.rawmk4	18_41.rawmk4	19_47.rawmk4	21_03.rawmk4	22_08.rawmk4
17_38.rawmk4	18_44.rawmk4	19_50.rawmk4	21_06.rawmk4	22_11.rawmk4
17_41.rawmk4	18_47.rawmk4	19_53.rawmk4	21_09.rawmk4	22_14.rawmk4
17_44.rawmk4	18_50.rawmk4	19_56.rawmk4	21_12.rawmk4	22_17.rawmk4
17_47.rawmk4	18_53.rawmk4	19_59.rawmk4	21_15.rawmk4	22_20.rawmk4
17_50.rawmk4	18_56.rawmk4	20_02.rawmk4	21_18.rawmk4	22_23.rawmk4
17_53.rawmk4	18_59.rawmk4	20_05.rawmk4	21_21.rawmk4	22_26.rawmk4
17_56.rawmk4	19_02.rawmk4	20_08.rawmk4	21_24.rawmk4	22_29.rawmk4
17_59.rawmk4	19_05.rawmk4	20_11.rawmk4	21_27.rawmk4	22_32.rawmk4
18_02.rawmk4	19_08.rawmk4	20_14.rawmk4	21_30.rawmk4	22_35.rawmk4
18_05.rawmk4	19_11.rawmk4	20_17.rawmk4	21_33.rawmk4	22_38.rawmk4
18_08.rawmk4	19_14.rawmk4	20_20.rawmk4	21_36.rawmk4	22_41.rawmk4
18_11.rawmk4	19_17.rawmk4	20_23.rawmk4	21_38.rawmk4	22_44.rawmk4
18_14.rawmk4	19_20.rawmk4	20_26.rawmk4	21_41.rawmk4	c20_47.rawmk4
18_17.rawmk4	19_23.rawmk4	20_29.rawmk4	21_44.rawmk4	c20_53.rawmk4
18_20.rawmk4	19_26.rawmk4	20_32.rawmk4	21_47.rawmk4	c21_00.rawmk4