

Mauna Loa Solar Observatory Observer's Log

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Tue Mar 21 17:18:59 GMT 1995  
Year: 95 Doy: 080  
Observer: koon

WEATHER COMMENT: Tue Mar 21 17:19:11 GMT 1995  
Clear sky, wind=15 mph from the SSE, temp=40 F.

COMMENT: Tue Mar 21 17:19:52 GMT 1995  
Started up using Trot instead of Run, got error message:  
/opt/dPMon/src/Bin/xv: Permission denied  
xv -root /opt/d/Data/mk3.gif

But program seems to be running normally otherwise.

Tue Mar 21 17:26:38 GMT 1995: Patrol Start

DPMON COMMENT: Tue Mar 21 17:29:25 GMT 1995  
Optical runaway, ffixing.

Tue Mar 21 17:29:58 GMT 1995: Patrol End  
Tue Mar 21 17:30:34 GMT 1995: Patrol Start

DPMON COMMENT: Tue Mar 21 17:31:41 GMT 1995  
Had a "Camera:Busy" error, cleared it.

Tue Mar 21 18:00:55 GMT 1995: Calibration  
Tue Mar 21 19:00:58 GMT 1995: Calibration

MKIII COMMENT: Tue Mar 21 19:21:46 GMT 1995  
Calibration took a while due to occassional light dust blowing up above us  
from the road construction below, I had to wait a few times to get the best  
scans.

COMMENT: Tue Mar 21 19:23:25 GMT 1995  
There appears to be a cme occurring at PA=125, small underlying prominence  
is visible in that region.

COMMENT: Tue Mar 21 19:40:17 GMT 1995  
Definitely looks like a CME occurring as mentioned earlier, luckily the  
road construction has stopped for a while. Will send out a CME alert.

Tue Mar 21 20:00:56 GMT 1995: Calibration

DPMON COMMENT: Tue Mar 21 20:09:01 GMT 1995  
Optical runaway, fixing

Tue Mar 21 20:10:16 GMT 1995: Patrol End  
Tue Mar 21 20:10:38 GMT 1995: Patrol Start

COMMENT: Tue Mar 21 20:13:22 GMT 1995  
Wind now coming directly from area of construction, closing down.

Tue Mar 21 20:13:54 GMT 1995: Patrol End

MKIII COMMENT: Tue Mar 21 20:17:42 GMT 1995  
From the latest difference images it appears the CME has faded quite a bit.

LOW-L COMMENT: Tue Mar 21 21:53:00 GMT 1995  
David and I got the program going again. The Ephemeris program had a problem with an equation that calculates RA, this problem existed only for one day per year (yesterday), the program was modified by changing that equation even though it would probably work for all other days of the year. The old version of sun\_eph.c is compiled into the old version of lowl.exe which has been renamed to lowl.321. The new version of lowl.exe (with the sun\_eph.c change) is in use right now and appears to be working correctly. Lowl is back in operation.

MKIII COMMENT: Tue Mar 21 22:13:52 GMT 1995  
Note that SCAN-LOG listing at the end of this log doesn't list scans taken before the cal at 1816, actual start of scans was around 1725 ut.

COMMENT: Tue Mar 21 22:21:56 GMT 1995  
Activity report:  
QP: 240-255; 273; 298.  
CME at PA=125 throughout observing day.

TAPES:  
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MKIII: H00998  
DPMON: P00317  
LOW-L: Back in operation with L00205 in drive #1

Tue Mar 21 22:24:16 GMT 1995: Filemark  
SCAN-LOG

SCAN-LOG 17:27:25. 3/21/95 DOY 80

|           |          |           |          |          |
|-----------|----------|-----------|----------|----------|
| 1813 0 CL | 18:16:18 | 1850 15CL | 19:07:29 | 19:16:35 |
| 19:19:48  | 19:22:55 | 19:26:05  | 19:29:14 | 19:32:22 |
| 19:35:31  | 19:38:44 | 19:41:50  | 19:44:58 | 19:48:05 |

19:51:14  
20:06:49

19:54:21  
20:09:56

19:57:28

20:00:33

20:03:44

0 ERRORS

OK