

Mauna Loa Solar Observatory Observer's Log

Tue Dec 13 16:55:52 GMT 1994

Year: 94 Doy: 347

Observer: koon

WEATHER COMMENT: Tue Dec 13 16:56:05 GMT 1994

Clear, wind 20 mph from the SE, temp 35 F.

Tue Dec 13 17:18:47 GMT 1994: Patrol Start

LOW-L COMMENT: Tue Dec 13 17:20:33 GMT 1994

I copied the *.c and *.h files from the lowl directory to disk for David Elmore to look over, did that last night after the observing day. Also removed L00145 from drive #0 and installed L00146 in drive #0 and L00147 in drive #1.

DPMON COMMENT: Tue Dec 13 17:23:24 GMT 1994

Getting some kind of optical runaway, probably diffuser and Daystar filter. Pausing Patrol to correct it.

Tue Dec 13 17:26:32 GMT 1994: Patrol Start

DPMON COMMENT: Tue Dec 13 17:32:45 GMT 1994

Having trouble adjusting the occulting disk position, will pause Patrol and manually check it out.

DPMON COMMENT: Tue Dec 13 19:53:54 GMT 1994

Couldn't find any broken wires or blown fuses, can move occulting in N-S direction only. Connected hand-box to power supply jumper cable at OCP and tried it (to bypass OCP microswitches) but still can't move E-W, so power supply does work. I'll check the DC motors and cable actuators up on the spar.

DPMON COMMENT: Tue Dec 13 21:07:04 GMT 1994

Found two broken wires in the D-connector at the junction box side of the cable that runs to the DC X-Y motors on the Spar. I'll have to remove the entire cable and possibly resolder all the wires on connector. Problem was caused by cable snagging yesterday afternoon.

COMMENT: Tue Dec 13 21:26:59 GMT 1994

Spar was temporarily off target while I removed the DPMON cable for repairs.

Tue Dec 13 23:13:32 GMT 1994: Patrol Start

DPMON COMMENT: Tue Dec 13 23:13:35 GMT 1994
Fixed the Occulting X-Y cable, ended up resoldering 4 wires (2 broken,
2 frayed), cables are routed so that snagging shouldn't happen again.

COMMENT: Tue Dec 13 23:15:29 GMT 1994
Depletion noted in last image difference at PA=300, approx. 2210 ut. Probably
corresponding to what looks like a surge at same PA, didn't get any images
with DPMON until now so I don't know what that area looked like earlier but
the surge is out to RV=1.15 now. I don't see any CME signature but I could
have missed something earlier while working up in the dome.

Wed Dec 14 00:01:57 GMT 1994: Calibration
Wed Dec 14 00:02:44 GMT 1994: Patrol End

COMMENT: Wed Dec 14 00:07:50 GMT 1994
Activity report:
QP: 45-50; 59; 137; 245; 280-290; 298-312.
Possible surge at 2210, PA=300, RV=1.15

TAPES:

MKIII: H00911
DPMON: P00228
LOW-L: L00146 in drive #0

Wed Dec 14 00:10:08 GMT 1994: Filemark

SCAN-LOG

SCAN-LOG 17:28:01. 12/13/94 DOY 347

17:39:48	17:42:58	17:46:08	17:49:17	17:52:27
17:55:36	17:58:46	18:01:55	18:05:06	18:08:14
18:11:22	18:14:29	18:17:35	18:20:41	18:23:49
18:26:55	18:30:03	18:33:09	18:36:16	18:39:22
18:42:29	18:45:34	18:48:41	18:51:47	18:54:53
18:57:58	19:01:04	19:04:09	19:07:16	19:10:21
19:13:28	1920 0 CL	19:25:23	1933 15CL	19:39:06
19:49:41	19:52:49	19:56:02	19:59:08	20:02:15
20:05:21	20:08:28	20:11:34	20:14:42	20:17:50
20:20:57	20:24:03	20:27:11	20:30:17	20:33:25
20:36:32	20:39:40	20:42:46	20:45:54	20:49:00
20:52:09	20:55:16	20:58:23	21:01:29	21:04:37
21:07:43	21:10:50	21:13:56	21:17:04	21:20:10
21:23:17	21:26:23	21:29:30	21:32:36	21:35:44
21:38:49	21:41:57	21:45:03	21:48:10	21:51:16
21:54:23	21:57:29	22:00:36	22:03:42	22:06:52
22:10:00	22:13:09	22:16:17	22:19:24	22:22:30

22:25:38	22:28:44	22:31:51	22:34:57	22:38:04
22:41:10	22:44:18	22:47:24	22:50:31	22:53:37
22:56:44	22:59:51	23:02:58	23:06:04	23:09:11
23:12:18	23:15:27	23:18:33	23:21:40	23:24:47
23:27:59	23:31:05	23:34:13	23:37:19	23:40:26
23:43:33	23:46:40	23:49:47	23:52:55	23:56:02
23:59:14				

0 ERRORS

OK