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Mauna Loa Solar Observatory Observer's Log  
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Wed Jan 19 17:59:23 GMT 2000

Year: 00 Doy: 019

Observer: koon

WEATHER COMMENT: Wed Jan 19 17:59:38 GMT 2000

Thick altocumulus clouds, wind=5 mph from the WSW, temp=33 F.

\*\*MLSO PROBLEM\*\*:  
Wed Jan 19 18:00:06 GMT 2000

HELCO had a big power outage problem that prevented observations yesterday. I'm bringing up all the instrumentation and checking everything for problems.

COMMENT: Wed Jan 19 18:10:43 GMT 2000

No observing until clouds clear away.

Wed Jan 19 13:58:14 GMT 2000 CHIP Startup--Initializing new tape

\*\*LOW-L PROBLEM\*\*:  
Wed Jan 19 18:31:56 GMT 2000

L00660 was popped out of drive #0 yesterday and replaced with L00662.

L00661 had 2 files on it yesterday so I replaced it with L00663 in drive #1.

Data going to L00662 in drive #0.

\*\*CHIP PROBLEM\*\*:  
Wed Jan 19 18:33:57 GMT 2000

Clock was about 4 hours behind for Kii, so I manually set it.

WEATHER COMMENT: Wed Jan 19 19:40:28 GMT 2000

Clouds are clearing, starting obs.

Wed Jan 19 19:40:57 GMT 2000 CHIP Startup--Initializing new tape

Wed Jan 19 19:41:31 GMT 2000 PICS Start Patrol

Wed Jan 19 19:43:06 GMT 2000 CHIP CHIP Start Patrol

Wed Jan 19 19:43:12 GMT 2000 MKIV Start Patrol

\*\*GONG PROBLEM\*\*:  
Wed Jan 19 20:00:33 GMT 2000

Just got back from the GONG shelter, I had to cycle power to the Data and Instrument chassis and log the workstation back in to get images displayed again. Their GPS time always differs from our WWVH time, right now it is 15 seconds fast, I double checked ours with WWVH and it is correct, I'll let them know.

CHIP Gain

COMMENT: Wed Jan 19 20:02:57 GMT 2000

Everything is back up and working correctly as far as I can tell.

Wed Jan 19 20:08:35 GMT 2000 CHIP End Gain

Wed Jan 19 20:08:45 GMT 2000 CHIP Bias

Wed Jan 19 20:09:42 GMT 2000 CHIP End Bias

Wed Jan 19 20:09:52 GMT 2000 CHIP Water

Wed Jan 19 20:10:39 GMT 2000 CHIP End Water

MKIV COMMENT: Wed Jan 19 20:17:07 GMT 2000

Still too cloudy to get a good scan, pausing again.

\*\*MLSO PROBLEM\*\*:  
Wed Jan 19 21:51:02 GMT 2000

I lost power to ACOS sparcstations while I was troubleshooting the UPS about an hour ago. The UPS is passing through power (bypass mode) but won't support a load if HELCO goes out again. The main symptom was that the display wasn't lit up, I tried several tests and determined that

the Electronics Unit (EU) was bad. It probably has a sticky or stuck relay, this gave me a problem back in 2/4/99, and it always sounded strangely noisy when it did its automatic tests. The manufacturer, APC, is sending out a new EU which should arrive in 7 to 10 days. I won't restart the instruments due to clouds.

COMMENT: Wed Jan 19 22:44:20 GMT 2000

TAPES:

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MKIV: 00019

CHIP: C01017

PICS: P01641

LOWL: L00662 in drive #0

Wed Jan 19 22:45:15 GMT 2000

MkIV

19_43.rawmk4	19_52.rawmk4	20_01.rawmk4	20_10.rawmk4
19_46.rawmk4	19_55.rawmk4	20_04.rawmk4	20_13.rawmk4
19_49.rawmk4	19_58.rawmk4	20_07.rawmk4	20_16.rawmk4