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Mauna Loa Solar Observatory Observer's Log  
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Wed Dec 19 17:31:48 GMT 2001

Year: 01 Doy: 353

Observer: koon

Wed Dec 19 17:31:40 GMT 2001 PICS Start Patrol

WEATHER COMMENT: Wed Dec 19 17:31:50 GMT 2001

Clear sky, wind=5 mph from the SSE, temp=42 F.

\*\*MKIV PROBLEM\*\*: Wed Dec 19 17:32:11 GMT 2001

Not running yet, barrel position indicator problem.

\*\*GONG PROBLEM\*\*: Wed Dec 19 17:32:43 GMT 2001

Not running yet, power supply and amplifier problems.

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Wed Dec 19 17:55:31 GMT 2001

PSPT COMMENT: Wed Dec 19 17:59:26 GMT 2001

Observing.

Wed Dec 19 18:00:11 GMT 2001 CHIP LSD

Wed Dec 19 18:02:20 GMT 2001 CHIP End LSD

Wed Dec 19 18:02:26 GMT 2001 CHIP BiasLSD

Wed Dec 19 18:03:11 GMT 2001 CHIP End BiasLSD

Wed Dec 19 18:03:17 GMT 2001 CHIP Bias

Wed Dec 19 18:04:08 GMT 2001 CHIP End Bias

Wed Dec 19 18:04:55 GMT 2001 PICS Flat

Wed Dec 19 18:07:58 GMT 2001 PICS End Flat

\*\*PICS PROBLEM\*\*: Wed Dec 19 18:14:56 GMT 2001

Seeing some vignetting in the South on the disk images. Will have to fix this after some higher priority problems.

Wed Dec 19 19:02:54 GMT 2001 CHIP LSD

Wed Dec 19 19:05:07 GMT 2001 CHIP End LSD

Wed Dec 19 19:05:16 GMT 2001 CHIP BiasLSD

Wed Dec 19 19:05:57 GMT 2001 CHIP End BiasLSD

Wed Dec 19 19:06:03 GMT 2001 CHIP Bias

Wed Dec 19 19:06:55 GMT 2001 CHIP End Bias

\*\*MKIV PROBLEM\*\*: Wed Dec 19 19:20:05 GMT 2001

Tried disconnecting Barrel angle cable at OCP, GUI readout still bad, reconnected cable. Likewise with cable to transformation board. Also the 5 vdc power supply read 3.9 vdc in all 3 configurations.

Wed Dec 19 20:03:14 GMT 2001 CHIP LSD

Wed Dec 19 20:05:23 GMT 2001 CHIP End LSD

Wed Dec 19 20:05:29 GMT 2001 CHIP BiasLSD

Wed Dec 19 20:06:10 GMT 2001 CHIP End BiasLSD

PSPT COMMENT: Wed Dec 19 19:59:04 GMT 2001

Stopped regular observations to test Alices new software mods. Will restart and run for one hour with those, then go back to old code. I am ending the observations like an end of day, complete shutdown between each switchover.

Wed Dec 19 20:06:17 GMT 2001 CHIP Bias

Wed Dec 19 20:07:00 GMT 2001 CHIP End Bias

Wed Dec 19 21:02:58 GMT 2001 CHIP LSD

Wed Dec 19 21:05:12 GMT 2001 CHIP End LSD  
 Wed Dec 19 21:05:18 GMT 2001 CHIP BiasLSD  
 Wed Dec 19 21:06:00 GMT 2001 CHIP End BiasLSD  
 Wed Dec 19 21:06:06 GMT 2001 CHIP Bias  
 Wed Dec 19 21:06:50 GMT 2001 CHIP End Bias  
 Wed Dec 19 21:07:55 GMT 2001 MKIV Start Patrol  
 Wed Dec 19 21:26:08 GMT 2001 MKIV End Patrol  
 Wed Dec 19 21:26:20 GMT 2001 MKIV Start Cal

\*\*MKIV PROBLEM\*\* Wed Dec 19 21:18:05 GMT 2001

I'm getting data, several scans now. The 5 vdc branch of the power supply that Eric suspected was indeed the problem. I connected a power supply in parallel to that branch and the barrel angle displays came back. The extra power supply is putting out about 0.35 amps to boost the bad power supply.

\*\*MKIV PROBLEM\*\* Wed Dec 19 21:42:19 GMT 2001

Oops, I bumped the power supply leads and they came off during the cal, I'll repeat the cal when this one ends.

Wed Dec 19 21:54:02 GMT 2001 MKIV End Cal  
 Wed Dec 19 21:54:15 GMT 2001 MKIV Start Patrol  
 Wed Dec 19 22:00:26 GMT 2001 MKIV End Patrol  
 Wed Dec 19 22:00:40 GMT 2001 MKIV Start Cal  
 Wed Dec 19 22:01:59 GMT 2001 CHIP LSD  
 Wed Dec 19 22:04:15 GMT 2001 CHIP End LSD  
 Wed Dec 19 22:04:23 GMT 2001 CHIP BiasLSD  
 Wed Dec 19 22:05:05 GMT 2001 CHIP End BiasLSD  
 Wed Dec 19 22:05:18 GMT 2001 CHIP Bias  
 Wed Dec 19 22:06:01 GMT 2001 CHIP End Bias  
 Wed Dec 19 22:14:05 GMT 2001 CHIP End Patrol  
 Wed Dec 19 22:15:43 GMT 2001 PICS End Patrol  
 Wed Dec 19 22:19:30 GMT 2001 MKIV End Cal  
 Wed Dec 19 23:15:38 GMT 2001

MkIV

21_07.rawmk4	21_19.rawmk4	21_50.rawmk4	22_09.rawmk4	c21_47.rawmk4
21_11.rawmk4	21_22.rawmk4	21_54.rawmk4	22_16.rawmk4	c22_00.rawmk4
21_14.rawmk4	21_29.rawmk4	21_57.rawmk4	c21_26.rawmk4	c22_06.rawmk4
21_17.rawmk4	21_36.rawmk4	22_03.rawmk4	c21_32.rawmk4	c22_12.rawmk4