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Mauna Loa Solar Observatory Observer's Log  
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Mon Jan 25 17:27:09 GMT 1999

Year: 99 Doy: 025

Observer: yasukawa

WEATHER COMMENT: Mon Jan 25 17:27:34 GMT 1999

Cold, in altocumulus deck, brisk southeast wind.

**\*\*MLSO PROBLEM\*\***: Mon Jan 25 17:28:24 GMT 1999

Evidence of power outage yesterday afternoon. LOWL crashed with heliostat pointed to around 2PM. Restarted it with lowl command this morning. Also gong xterm waiting for login. Answering machine clock needed resetting (power interrupt signature).

LOW-L COMMENT: Mon Jan 25 17:30:43 GMT 1999

LOWL time and date OK after startup.

Mon Jan 25 17:42:49 GMT 1999 CHIP Startup--Initializing new tape

Mon Jan 25 17:45:21 GMT 1999 CHIP CHIP Start Patrol

Mon Jan 25 17:45:26 GMT 1999 MKIII Start Patrol

PICS COMMENT: Mon Jan 25 17:50:54 GMT 1999

I will remove camera to check out the repair. May bump spar around doing this.

WEATHER COMMENT: Mon Jan 25 17:59:26 GMT 1999

Clear.

Mon Jan 25 18:00:54 GMT 1999 CHIP Bias

Mon Jan 25 18:01:46 GMT 1999 CHIP End Bias

Mon Jan 25 18:02:00 GMT 1999 CHIP Water

Mon Jan 25 18:02:41 GMT 1999 CHIP End Water

COMMENT: Mon Jan 25 18:11:21 GMT 1999

added a small weight to back to compensate for removed PICS camera. Repointed spar.

**\*\*CHIP PROBLEM\*\***: Mon Jan 25 18:35:33 GMT 1999

CHIP filter temp was low. Checked it out and the circulator temp indicator was at a wierd value. Fluid level was OK and there were no spills due to outage. Pressed stop and then reset buttons and temp. controller seemed to reset to some regular value.

Waiting to see if that brings temperature back up.

**\*\*CHIP PROBLEM\*\***: Mon Jan 25 19:02:19 GMT 1999

Chip filter temperature slowly rising toward operating range.

Mon Jan 25 19:03:03 GMT 1999 CHIP Bias

Mon Jan 25 19:04:02 GMT 1999 CHIP End Bias

Mon Jan 25 19:04:12 GMT 1999 CHIP Water

Mon Jan 25 19:04:50 GMT 1999 CHIP End Water

**\*\*PICS PROBLEM\*\***: Mon Jan 25 19:08:01 GMT 1999

Removed camera and checked internal connections. Video cable from CCD could be pressed in to snap position approximately 1/16" further. All other connections looked good. Reassembled camera and remounted it. Tested with Video command. I do not see shutter operating.

**\*\*PICS PROBLEM\*\***: Mon Jan 25 19:32:09 GMT 1999  
Removed camera again for further inspection.  
Mon Jan 25 19:35:12 GMT 1999 MKIII Start Cal  
COMMENT: Mon Jan 25 19:48:41 GMT 1999  
spar bumped ladder. repointed.  
**\*\*PICS PROBLEM\*\***: Mon Jan 25 19:54:59 GMT 1999  
Tested camera on bench, shutter is working with video program.  
Mon Jan 25 20:02:47 GMT 1999 CHIP Gain  
COMMENT: Mon Jan 25 20:06:57 GMT 1999  
Reinstalled PICS camera. Lost guiding. Repointed.  
Mon Jan 25 20:07:22 GMT 1999 CHIP End Gain  
Mon Jan 25 20:07:33 GMT 1999 CHIP Bias  
Mon Jan 25 20:08:21 GMT 1999 CHIP End Bias  
Mon Jan 25 20:08:39 GMT 1999 CHIP Water  
Mon Jan 25 20:09:19 GMT 1999 CHIP End Water  
**\*\*PICS PROBLEM\*\***: Mon Jan 25 20:09:46 GMT 1999  
OK, now video is working. Shutter is cycling. Problem may have been  
caused when I first tried to start Video, controller was off, something  
may have gotten lost in the program because of it. I did a warm  
boot -r on nene before bench test. That may have reset something.  
**\*\*CHIP PROBLEM\*\***: Mon Jan 25 20:13:36 GMT 1999  
Filter temperature overshooting on high side now.  
**\*\*PICS PROBLEM\*\***: Mon Jan 25 20:23:31 GMT 1999  
Buttomed up PICS. Running Video. Still no video image coming from  
Camera. Internal and external connections OK. Tried manual camera settings  
from GUI at various exposure settings and saw no change. I think  
something was hosed on the interface board or something got hosed  
during the repair. No video output.  
COMMENT: Mon Jan 25 20:53:11 GMT 1999  
lost guiding. Insulating cover not on PICS yet so I added a small weight to  
rear of spar to compensate for now. Repointed.  
Mon Jan 25 21:00:49 GMT 1999 CHIP Bias  
**\*\*LOW-L PROBLEM\*\***: Mon Jan 25 21:01:21 GMT 1999  
Rats! In my preoccupation with the power outage recovery and PICS  
camera problem I forgot to swap tapes. L00575 is being overwritten.  
**\*\*CHIP PROBLEM\*\***: Mon Jan 25 21:07:35 GMT 1999  
CHIP temp in range.  
**\*\*PSPT PROBLEM\*\***: Mon Jan 25 21:11:11 GMT 1999  
PSPT images looked dark early this morning. They are OK now. Not sure  
whether it was caused by failing shutter--yes, another shutter problem,  
or just due to the power failure yesterday and the cold this morning.  
Image was dark but there was no gradient-type vignetting.  
GONG COMMENT: Mon Jan 25 21:14:16 GMT 1999  
Going down to GONG to do the weekly PM.  
GONG COMMENT: Mon Jan 25 21:54:48 GMT 1999  
Back from GONG.  
Mon Jan 25 22:02:48 GMT 1999 CHIP Bias  
Mon Jan 25 22:03:42 GMT 1999 CHIP End Bias

Mon Jan 25 22:03:52 GMT 1999 CHIP Water  
Mon Jan 25 22:04:31 GMT 1999 CHIP End Water  
Mon Jan 25 22:10:20 GMT 1999 CHIP CHIP End Patrol  
Mon Jan 25 22:11:01 GMT 1999 MKIII End Patrol  
Mon Jan 25 22:11:01 GMT 1999 CHIP ending tape  
COMMENT: Mon Jan 25 22:11:46 GMT 1999  
tapes:

MKIV: 99-025  
PICS: No data, camera problem still not resolved.  
CHIP: C00768  
LOWL: L00575  
Mon Jan 25 22:13:23 GMT 1999  
MkIII

17_45.rawmk3	18_40.rawmk3	19_38.rawmk3	20_40.rawmk3	21_35.rawmk3
17_48.rawmk3	18_43.rawmk3	19_45.rawmk3	20_44.rawmk3	21_38.rawmk3
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