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Mauna Loa Solar Observatory Observer's Log  
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Wed Apr 16 16:44:46 GMT 2003

Year: 03 Doy: 106

Observer: yasukawa

WEATHER COMMENT: Wed Apr 16 16:45:00 GMT 2003

Cool, in thick, extensive cirrostratus overcast, south wind.

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Wed Apr 16 16:54:44 GMT 2003

WEATHER COMMENT: Wed Apr 16 18:09:00 GMT 2003

Cirrostratus still extensive and thick but diffuse shadows can be seen.

Opened dome and will attempt observations with PICS and CHIP.

Wed Apr 16 18:10:34 GMT 2003 CHIP Start Patrol

Wed Apr 16 18:10:52 GMT 2003 PICS Start Patrol

COMMENT: Wed Apr 16 20:28:19 GMT 2003

Reconfigured dome shutter.

PSPT COMMENT: Wed Apr 16 22:17:00 GMT 2003

Drained coolant out of PSPT camera system and chiller. Removed and packed Lytron Chiller and coolant tubes for shipment to Boulder as requested by Kim for use in testing NSO PSPT camera. Unit is very heavy so I will be going down to FEDEX early -- I don't want to load and unload the chiller more than once.

**\*\*PICS PROBLEM\*\***: Wed Apr 16 22:41:50 GMT 2003

ADR was disabled due to cloud sensor override. PICS was domed out.

MKIV COMMENT: Wed Apr 16 22:46:52 GMT 2003

Checking out barrel behavior today. Starting Patrol, data no good.

Wed Apr 16 22:47:42 GMT 2003 MKIV Start Patrol

**\*\*MKIV PROBLEM\*\***: Wed Apr 16 22:48:51 GMT 2003

Barrel angle display looks like stepper is running slow. I can feel vibration at damper on the motor. Motor driver pulses at the transformation board look OK, frequency and amplitude are correct. Barrel stopped at 41-degrees, akamai message, "t\_scan 1 records, last barrel 1870" appeared, then scan continued, this time at normal speed to normal end-of-scan point.

**\*\*MKIV PROBLEM\*\***: Wed Apr 16 22:57:10 GMT 2003

Barrel CW rotation did the same thing, stopping at 318-degrees. Message: t\_scan 0 records, last barrel 63667

**\*\*MKIV PROBLEM\*\***: Wed Apr 16 23:21:38 GMT 2003

When a slower scan speed is selected at KCC gui, pulse frequency at transformation board slows appropriately. When problem is occurring, pulses at transformation are normal and do not change, whether barrel is running slow or running at normal rate after the 41/318 time-out point. Problem is occurring upstairs at stml01 or at motor.

Wed Apr 16 23:33:26 GMT 2003 MKIV End Patrol

**\*\*MKIV PROBLEM\*\***: Wed Apr 16 23:28:32 GMT 2003

**\*\*MKIV PROBLEM\*\***: Wed Apr 16 23:44:58 GMT 2003

Shutting down for the day to get the PSPT chiller to FEDEX and to dispose

of the coolant before recycle place closes. Left instructions for next shift to check pulses at STM101 and/or swap out the stepper motor.

Wed Apr 16 23:48:01 GMT 2003 CHIP End Patrol

Wed Apr 16 23:48:17 GMT 2003 PICS End Patrol

WEATHER COMMENT: Wed Apr 16 23:57:26 GMT 2003

Heavy cirrostratus overcast continues.

Wed Apr 16 23:58:02 GMT 2003

MkIV

22\_47.rawmk4 22\_56.rawmk4 23\_06.rawmk4 23\_20.rawmk4

22\_51.rawmk4 23\_01.rawmk4 23\_12.rawmk4 23\_27.rawmk4