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Mauna Loa Solar Observatory Observer's Log  
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Wed Oct 28 16:48:39 GMT 1998

Year: 98 Doy: 301

Observer: elmore

WEATHER COMMENT: Wed Oct 28 16:52:44 GMT 1998

Medium cirrostratus, wind=10 mph from the SE, temp=48 F.

Wed Oct 28 16:54:09 GMT 1998 CHIP Startup--Initializing new tape

Wed Oct 28 16:55:04 GMT 1998 CHIP CHIP Start Patrol

Wed Oct 28 17:01:53 GMT 1998 CHIP Bias

Wed Oct 28 17:02:42 GMT 1998 CHIP End Bias

Wed Oct 28 17:02:50 GMT 1998 CHIP Water

Wed Oct 28 17:03:30 GMT 1998 CHIP End Water

Wed Oct 28 17:06:26 GMT 1998 PICS Start Patrol

Wed Oct 28 17:25:49 GMT 1998 MKIII Start Correct

Wed Oct 28 17:27:32 GMT 1998 MKIII End Correct

Wed Oct 28 17:27:33 GMT 1998 MKIII Start Correct

Wed Oct 28 17:30:53 GMT 1998 MKIII End Correct

Wed Oct 28 17:31:52 GMT 1998 MKIII Start Correct

Wed Oct 28 17:35:14 GMT 1998 MKIII End Correct

LOW-L COMMENT: Wed Oct 28 17:57:57 GMT 1998

Changed the filter temperature at Steve's request from 95.0 to 97.0 to increase the light output. The program crashed the first time I tried the change so I had to swap some tapes. Removed L00552 from drive #0 and moved L00553 from drive#1 to drive #0, and installed L00554 in drive #1.

Wed Oct 28 18:00:48 GMT 1998 CHIP Bias

Wed Oct 28 18:01:27 GMT 1998 PICS Flat

Wed Oct 28 18:01:37 GMT 1998 CHIP End Bias

Wed Oct 28 18:01:45 GMT 1998 CHIP Water

Wed Oct 28 18:02:22 GMT 1998 CHIP End Water

Wed Oct 28 18:02:51 GMT 1998 PICS End Flat

\*\*PSPT PROBLEM\*\* Wed Oct 28 18:31:23 GMT 1998

Still having pointing problem, Haosheng is working on it now.

Wed Oct 28 19:01:28 GMT 1998 PICS Flat

Wed Oct 28 19:02:54 GMT 1998 CHIP Bias

Wed Oct 28 19:02:54 GMT 1998 CHIP Bias

Wed Oct 28 19:03:48 GMT 1998 CHIP End Bias

Wed Oct 28 19:03:55 GMT 1998 CHIP Water

Wed Oct 28 19:04:31 GMT 1998 CHIP End Water

\*\*PSPT PROBLEM\*\* Wed Oct 28 19:33:21 GMT 1998

Haosheng and I did a Guider Ephemeris Calibration and then the telescope pointed correctly. He will write up the procedure and send it to us so that we can do it ourselves next time this happens. I asked him to set the software back to automatic dome rotation and he did. So now the control cable is connected again and we have to leave the dome switch in the on position to allow for automatic guiding. This will work again at this time of year due to the sun moving to the south of our latitude again.

We talked about having to use the Run command several times after a crash to get the cap to open, this is because there is no way for the software to know what position the cap is in, so at the start of the Run task it assumes the cap was already closed and just moves it to the opposite limit. The way to avoid this problem is to type in "cap close" on the PC after a crash and before typing "Run" on the Sparcstation.

Wed Oct 28 20:01:36 GMT 1998	PICS	Flat
Wed Oct 28 20:01:50 GMT 1998	CHIP	Gain
Wed Oct 28 20:03:03 GMT 1998	PICS	End Flat
Wed Oct 28 20:06:20 GMT 1998	CHIP	End Gain
Wed Oct 28 20:06:31 GMT 1998	CHIP	Bias
Wed Oct 28 20:07:24 GMT 1998	CHIP	End Bias
Wed Oct 28 20:07:34 GMT 1998	CHIP	Water
Wed Oct 28 20:08:09 GMT 1998	CHIP	End Water
Wed Oct 28 20:15:50 GMT 1998	MKIII	Start Patrol

MKIII COMMENT: Wed Oct 28 20:17:49 GMT 1998

Performed a MkIII correct early. There is a ring in the data. May try again.

Sky has a bright ring around the Sun.

Wed Oct 28 20:22:26 GMT 1998	MKIII	End Patrol
Wed Oct 28 20:24:09 GMT 1998	MKIII	End Correct
Wed Oct 28 20:24:11 GMT 1998	MKIII	Start Correct
Wed Oct 28 20:27:29 GMT 1998	MKIII	End Correct
Wed Oct 28 20:27:56 GMT 1998	MKIII	Start Patrol

MKIII COMMENT: Wed Oct 28 20:30:26 GMT 1998

performed another correct for both MkIII and MkIV

Still a ring in MkIII.

Wed Oct 28 20:51:27 GMT 1998	MKIII	Start Patrol
Wed Oct 28 21:01:35 GMT 1998	PICS	Flat
Wed Oct 28 21:02:47 GMT 1998	CHIP	Bias
Wed Oct 28 21:03:10 GMT 1998	PICS	End Flat
Wed Oct 28 21:03:37 GMT 1998	CHIP	End Bias
Wed Oct 28 21:03:45 GMT 1998	CHIP	Water
Wed Oct 28 21:04:21 GMT 1998	CHIP	End Water
Wed Oct 28 21:34:27 GMT 1998	MKIII	Start Patrol
Wed Oct 28 22:01:39 GMT 1998	PICS	Flat
Wed Oct 28 22:01:51 GMT 1998	CHIP	Bias
Wed Oct 28 22:02:42 GMT 1998	CHIP	End Bias
Wed Oct 28 22:02:49 GMT 1998	CHIP	Water
Wed Oct 28 22:03:05 GMT 1998	PICS	End Flat
Wed Oct 28 22:03:24 GMT 1998	CHIP	End Water
Wed Oct 28 22:13:36 GMT 1998	MKIII	End Patrol
Wed Oct 28 22:13:40 GMT 1998	MKIII	Start Cal

MKIII COMMENT: Wed Oct 28 22:17:12 GMT 1998

Since there are new corrector tables, we will do a calibrate, even if it is late in the day.

The sky is somewhat noisy but clear

Wed Oct 28 22:34:05 GMT 1998	MKIII	End Cal
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Wed Oct 28 22:34:08 GMT 1998 MKIII Start Patrol

\*\*PSPT PROBLEM\*\*: Wed Oct 28 22:36:25 GMT 1998

Had a problem where the mirror couldn't lock on the sun, but with Haosheng's help it is now fixed. Also had a problem around 2100 where the circuit breaker for the dome rotator was tripped and so the dome wouldn't point and the observing program wouldn't continue. This happens every now and then we hear a clicking sound in the controller box where all the relays are, if it goes on long enough the breaker trips. After resetting the breaker I had to disconnect and reconnect the computer control cable a few times to get the dome to rotate in the correct direction, but it stopped at the correct position.

Wed Oct 28 22:45:36 GMT 1998 MKIII Start Patrol  
Wed Oct 28 23:00:51 GMT 1998 CHIP Bias  
Wed Oct 28 23:01:34 GMT 1998 PICS Flat  
Wed Oct 28 23:01:42 GMT 1998 CHIP End Bias  
Wed Oct 28 23:02:16 GMT 1998 CHIP Water  
Wed Oct 28 23:03:01 GMT 1998 CHIP End Water  
Wed Oct 28 23:03:23 GMT 1998 PICS End Flat  
Wed Oct 28 23:16:26 GMT 1998 PICS End Patrol  
Wed Oct 28 23:18:28 GMT 1998 MKIII End Patrol  
Wed Oct 28 23:18:33 GMT 1998 CHIP CHIP End Patrol  
Wed Oct 28 23:21:18 GMT 1998 CHIP ending tape  
COMMENT: Wed Oct 28 23:22:19 GMT 1998

TAPES:

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PICS: P01329

CHIP: C00715

LOWL: L00552

Wed Oct 28 23:23:50 GMT 1998

MkIII

20_15.rawmk3	20_58.rawmk3	21_44.rawmk3	22_24.rawmk3	23_05.rawmk3
20_19.rawmk3	21_01.rawmk3	21_47.rawmk3	22_30.rawmk3	23_08.rawmk3
20_28.rawmk3	21_05.rawmk3	21_50.rawmk3	22_34.rawmk3	23_12.rawmk3
20_31.rawmk3	21_08.rawmk3	21_54.rawmk3	22_37.rawmk3	23_15.rawmk3
20_34.rawmk3	21_11.rawmk3	21_57.rawmk3	22_45.rawmk3	c22_13.rawmk3
20_37.rawmk3	21_14.rawmk3	22_00.rawmk3	22_49.rawmk3	c22_20.rawmk3
20_41.rawmk3	21_18.rawmk3	22_03.rawmk3	22_52.rawmk3	c22_27.rawmk3
20_44.rawmk3	21_34.rawmk3	22_07.rawmk3	22_55.rawmk3	
20_51.rawmk3	21_37.rawmk3	22_10.rawmk3	22_58.rawmk3	
20_55.rawmk3	21_41.rawmk3	22_17.rawmk3	23_02.rawmk3	