

-----  
Mauna Loa Solar Observatory Observer's Log  
-----

Thu Dec 20 17:25:32 GMT 2001

Year: 01 Doy: 354

Observer: koon

Thu Dec 20 17:31:31 GMT 2001 MKIV Start Patrol  
Thu Dec 20 17:31:31 GMT 2001 CHIP Start Patrol  
Thu Dec 20 17:31:40 GMT 2001 PICS Start Patrol

WEATHER COMMENT: Thu Dec 20 17:26:50 GMT 2001

Clear sky, wind=10 mph from the SE, temp=38 F.

Thu Dec 20 18:00:11 GMT 2001 CHIP LSD  
Thu Dec 20 18:02:24 GMT 2001 CHIP End LSD  
Thu Dec 20 18:02:40 GMT 2001 CHIP BiasLSD  
Thu Dec 20 18:03:39 GMT 2001 CHIP End BiasLSD  
Thu Dec 20 18:03:48 GMT 2001 CHIP Bias  
Thu Dec 20 18:04:40 GMT 2001 PICS Flat  
Thu Dec 20 18:04:45 GMT 2001 CHIP End Bias  
Thu Dec 20 18:08:01 GMT 2001 PICS End Flat  
Thu Dec 20 18:19:50 GMT 2001 MKIV Start Cal

PSPT COMMENT: Thu Dec 20 18:27:30 GMT 2001

Observing.

\*\*MLSO PROBLEM\*\* : Thu Dec 20 18:31:28 GMT 2001

Working on printer problems with Vic.

Thu Dec 20 18:39:32 GMT 2001 MKIV Start Patrol  
Thu Dec 20 19:01:01 GMT 2001 CHIP LSD  
Thu Dec 20 19:03:22 GMT 2001 CHIP End LSD  
Thu Dec 20 19:03:38 GMT 2001 CHIP BiasLSD  
Thu Dec 20 19:04:34 GMT 2001 CHIP End BiasLSD  
Thu Dec 20 19:04:50 GMT 2001 CHIP Bias  
Thu Dec 20 19:05:50 GMT 2001 CHIP End Bias

\*\*PICS PROBLEM\*\* : Thu Dec 20 19:21:26 GMT 2001

Frozen trying to do a limb image. Will do a Kill/Run cycle to fix that and because David made a change that needs to be picked up that way.

Thu Dec 20 19:26:38 GMT 2001 PICS Start Patrol

\*\*PICS PROBLEM\*\* : Thu Dec 20 19:34:49 GMT 2001

David said they noticed Filter wheel wasn't turning according to their data. I've been too busy to work on this vignetting problem since it was first noticed again yesterday, so I just watched the Drive and Staus LEDs and can see that the Drive is happening but not the actual positioning. I hope to be able to get to this later. I'll probably need to replace a setscrew with a good capscrew to get it tightened enough to prevent future slipping. This is unrelated to the recent modification I made to fix the Home switching, that was to eliminate timeouts and probably didn't cause vignetting. Last week there was another vignetting problem and Eric found the Filter Wheel loose and tightened it, I had also tightened it a few months back, and it probably is loose again. I'll check in a while.

\*\*PSPT PROBLEM\*\* : Thu Dec 20 19:44:36 GMT 2001

I looked up some information requested by Kim regarding temperature recording we did back in 11/98, I'll email it out soon. The images have been getting more fuzzy lately, I think this is due to the "optical gain", I checked and that telephoto lens adjustment and it had moved slightly, I adjusted it to the extreme position (CW looking down at front of lens, lens at longest position) where Roy had left it, then I taped it in place better. I may have to experiment with this later. That stopped some mirror oscillations that were occurring, but it is a tiny movement from that extreme position to a position that causes fast-mirror oscillations.

\*\*MKIV PROBLEM\*\* : Thu Dec 20 19:59:55 GMT 2001

This is still doing well after connecting a bench power supply to the 5 vdc power supply for the Barrel Angle Readout that I did yesterday.

Thu Dec 20 20:02:14 GMT 2001	CHIP	LSD
Thu Dec 20 20:04:26 GMT 2001	CHIP	End LSD
Thu Dec 20 20:04:39 GMT 2001	CHIP	BiasLSD
Thu Dec 20 20:05:35 GMT 2001	CHIP	End BiasLSD
Thu Dec 20 20:05:45 GMT 2001	CHIP	Bias
Thu Dec 20 20:06:39 GMT 2001	CHIP	End Bias
Thu Dec 20 21:02:04 GMT 2001	CHIP	LSD
Thu Dec 20 21:04:16 GMT 2001	CHIP	End LSD
Thu Dec 20 21:04:29 GMT 2001	CHIP	BiasLSD
Thu Dec 20 21:05:12 GMT 2001	CHIP	End BiasLSD
Thu Dec 20 21:05:25 GMT 2001	CHIP	Bias
Thu Dec 20 21:06:12 GMT 2001	CHIP	End Bias
Thu Dec 20 21:10:35 GMT 2001	PICS	End Patrol

\*\*\*\* EVENT COMMENT \*\*\*\* : Thu Dec 20 21:00:42 GMT 2001

Small CME at PA=270

\*\*PICS PROBLEM\*\* : Thu Dec 20 21:11:31 GMT 2001

Pausing obs to look for vignetting problem.

Thu Dec 20 21:19:18 GMT 2001	PICS	Start Patrol
------------------------------	------	--------------

\*\*PICS PROBLEM\*\* : Thu Dec 20 21:23:12 GMT 2001

After I stopped the Patrol I tried moving the filter wheel using the GUI and it worked, so I started up Patrol and the Filter Wheel is moving properly now. So I'm going to leave this alone for now, I'll pull it apart and check it out another day.

\*\*GONG PROBLEM\*\* : Thu Dec 20 21:27:30 GMT 2001

Heading down to shelter to work on some problems involving power supplies, breaker installation, and Waveplate motor tests. This instrument has been down since late Sunday.

Thu Dec 20 22:02:05 GMT 2001	CHIP	LSD
Thu Dec 20 22:04:19 GMT 2001	CHIP	End LSD
Thu Dec 20 22:04:33 GMT 2001	CHIP	BiasLSD
Thu Dec 20 22:05:20 GMT 2001	CHIP	End BiasLSD
Thu Dec 20 22:05:29 GMT 2001	CHIP	Bias
Thu Dec 20 22:06:11 GMT 2001	CHIP	End Bias

\*\*GONG PROBLEM\*\* : Thu Dec 20 22:34:15 GMT 2001

Back from shelter with lots of info to send GONG folks.

COMMENT: Thu Dec 20 22:34:44 GMT 2001

Lost guiding while I was at GONG shelter.

Thu Dec 20 22:35:18 GMT 2001 CHIP End Patrol

Thu Dec 20 22:38:41 GMT 2001 MKIV End Patrol

\*\*GONG PROBLEM\*\* Thu Dec 20 23:17:30 GMT 2001

I'm going to stop at the shelter again on my way down to do a few more tests, I'll call in my results to GONG. This will allow them to ship us spare parts tomorrow instead of next week.

Thu Dec 20 23:19:02 GMT 2001

MkIV

17_31.rawmk4	18_42.rawmk4	19_45.rawmk4	20_47.rawmk4	21_54.rawmk4
17_34.rawmk4	18_45.rawmk4	19_48.rawmk4	20_50.rawmk4	21_57.rawmk4
17_37.rawmk4	18_48.rawmk4	19_51.rawmk4	20_53.rawmk4	22_00.rawmk4
17_40.rawmk4	18_51.rawmk4	19_53.rawmk4	20_56.rawmk4	22_03.rawmk4
17_43.rawmk4	18_54.rawmk4	19_56.rawmk4	20_59.rawmk4	22_06.rawmk4
17_46.rawmk4	18_57.rawmk4	19_59.rawmk4	21_02.rawmk4	22_08.rawmk4
17_49.rawmk4	19_00.rawmk4	20_05.rawmk4	21_08.rawmk4	22_11.rawmk4
17_52.rawmk4	19_03.rawmk4	20_09.rawmk4	21_12.rawmk4	22_14.rawmk4
17_55.rawmk4	19_06.rawmk4	20_12.rawmk4	21_15.rawmk4	22_17.rawmk4
17_58.rawmk4	19_09.rawmk4	20_15.rawmk4	21_18.rawmk4	22_20.rawmk4
18_01.rawmk4	19_11.rawmk4	20_18.rawmk4	21_21.rawmk4	22_23.rawmk4
18_04.rawmk4	19_14.rawmk4	20_21.rawmk4	21_23.rawmk4	22_26.rawmk4
18_07.rawmk4	19_17.rawmk4	20_24.rawmk4	21_26.rawmk4	22_29.rawmk4
18_09.rawmk4	19_20.rawmk4	20_27.rawmk4	21_29.rawmk4	22_32.rawmk4
18_12.rawmk4	19_23.rawmk4	20_30.rawmk4	21_32.rawmk4	22_35.rawmk4
18_15.rawmk4	19_26.rawmk4	20_33.rawmk4	21_35.rawmk4	c18_19.rawmk4
18_22.rawmk4	19_29.rawmk4	20_36.rawmk4	21_41.rawmk4	c18_25.rawmk4
18_29.rawmk4	19_35.rawmk4	20_38.rawmk4	21_45.rawmk4	c18_32.rawmk4
18_35.rawmk4	19_39.rawmk4	20_41.rawmk4	21_48.rawmk4	
18_39.rawmk4	19_42.rawmk4	20_44.rawmk4	21_51.rawmk4	