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Mauna Loa Solar Observatory Observer's Log  
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Sat Dec 8 17:11:42 GMT 2001

Year: 01 Doy: 342

Observer: koon

Sat Dec 8 17:15:24 GMT 2001 CHIP Start Patrol

Sat Dec 8 17:15:34 GMT 2001 PICS Start Patrol

WEATHER COMMENT: Sat Dec 8 17:11:43 GMT 2001

Clear sky, wind=15 mph from the SE, temp=40 F.

PSPT COMMENT: Sat Dec 8 17:23:27 GMT 2001

Observing.

Sat Dec 8 17:49:34 GMT 2001 MKIV Start Patrol

Sat Dec 8 18:01:56 GMT 2001 CHIP LSD

Sat Dec 8 18:02:50 GMT 2001 PICS Flat

Sat Dec 8 18:04:12 GMT 2001 CHIP End LSD

Sat Dec 8 18:04:28 GMT 2001 CHIP BiasLSD

Sat Dec 8 18:05:26 GMT 2001 CHIP End BiasLSD

Sat Dec 8 18:05:41 GMT 2001 CHIP Bias

Sat Dec 8 18:06:08 GMT 2001 PICS End Flat

Sat Dec 8 18:06:41 GMT 2001 CHIP End Bias

Sat Dec 8 18:19:25 GMT 2001 MKIV End Patrol

Sat Dec 8 18:19:36 GMT 2001 MKIV Start Cal

Sat Dec 8 18:38:24 GMT 2001 MKIV End Cal

Sat Dec 8 18:41:20 GMT 2001 MKIV Start Patrol

Sat Dec 8 19:02:01 GMT 2001 CHIP LSD

Sat Dec 8 19:04:23 GMT 2001 CHIP End LSD

Sat Dec 8 19:04:32 GMT 2001 CHIP BiasLSD

Sat Dec 8 19:05:25 GMT 2001 CHIP End BiasLSD

Sat Dec 8 19:05:40 GMT 2001 CHIP Bias

Sat Dec 8 19:06:43 GMT 2001 CHIP End Bias

Sat Dec 8 20:02:06 GMT 2001 CHIP LSD

Sat Dec 8 20:04:25 GMT 2001 CHIP End LSD

Sat Dec 8 20:04:40 GMT 2001 CHIP BiasLSD

Sat Dec 8 20:05:40 GMT 2001 CHIP End BiasLSD

Sat Dec 8 20:05:54 GMT 2001 CHIP Bias

Sat Dec 8 20:06:51 GMT 2001 CHIP End Bias

Sat Dec 8 21:02:58 GMT 2001 CHIP LSD

Sat Dec 8 21:05:18 GMT 2001 CHIP End LSD

Sat Dec 8 21:05:30 GMT 2001 CHIP BiasLSD

Sat Dec 8 21:06:17 GMT 2001 CHIP End BiasLSD

Sat Dec 8 21:06:32 GMT 2001 CHIP Bias

Sat Dec 8 21:07:22 GMT 2001 CHIP End Bias

WEATHER COMMENT: Sat Dec 8 21:09:04 GMT 2001

Scattered cirrus passing over.

\*\*ECHO PROBLEM\*\*: Sat Dec 8 21:17:35 GMT 2001

Images looked like 2 black disks, I quit the observing program and restarted echosys and taking data, images were fine after that.

Sat Dec 8 22:03:03 GMT 2001	CHIP	LSD
Sat Dec 8 22:05:16 GMT 2001	CHIP	End LSD
Sat Dec 8 22:05:35 GMT 2001	CHIP	BiasLSD
Sat Dec 8 22:06:25 GMT 2001	CHIP	End BiasLSD
Sat Dec 8 22:06:39 GMT 2001	CHIP	Bias
Sat Dec 8 22:07:29 GMT 2001	CHIP	End Bias
Sat Dec 8 22:08:34 GMT 2001	MKIV	End Patrol
Sat Dec 8 22:12:07 GMT 2001	CHIP	End Patrol
Sat Dec 8 22:13:33 GMT 2001	PICS	End Patrol
Sat Dec 8 22:19:56 GMT 2001		

MkIV

17_49.rawmk4	18_53.rawmk4	19_43.rawmk4	20_33.rawmk4	21_23.rawmk4
17_52.rawmk4	18_56.rawmk4	19_46.rawmk4	20_36.rawmk4	21_26.rawmk4
17_55.rawmk4	18_59.rawmk4	19_49.rawmk4	20_39.rawmk4	21_29.rawmk4
17_58.rawmk4	19_01.rawmk4	19_52.rawmk4	20_42.rawmk4	21_32.rawmk4
18_01.rawmk4	19_04.rawmk4	19_54.rawmk4	20_44.rawmk4	21_35.rawmk4
18_04.rawmk4	19_07.rawmk4	19_57.rawmk4	20_47.rawmk4	21_37.rawmk4
18_07.rawmk4	19_10.rawmk4	20_00.rawmk4	20_50.rawmk4	21_40.rawmk4
18_10.rawmk4	19_13.rawmk4	20_03.rawmk4	20_53.rawmk4	21_43.rawmk4
18_13.rawmk4	19_16.rawmk4	20_06.rawmk4	20_56.rawmk4	21_46.rawmk4
18_16.rawmk4	19_19.rawmk4	20_09.rawmk4	20_59.rawmk4	21_49.rawmk4
18_22.rawmk4	19_22.rawmk4	20_12.rawmk4	21_02.rawmk4	21_52.rawmk4
18_28.rawmk4	19_25.rawmk4	20_15.rawmk4	21_05.rawmk4	21_55.rawmk4
18_35.rawmk4	19_28.rawmk4	20_18.rawmk4	21_08.rawmk4	22_01.rawmk4
18_41.rawmk4	19_31.rawmk4	20_21.rawmk4	21_11.rawmk4	22_05.rawmk4
18_44.rawmk4	19_34.rawmk4	20_24.rawmk4	21_14.rawmk4	c18_19.rawmk4
18_47.rawmk4	19_37.rawmk4	20_27.rawmk4	21_17.rawmk4	c18_25.rawmk4
18_50.rawmk4	19_40.rawmk4	20_30.rawmk4	21_20.rawmk4	c18_31.rawmk4