
Mauna Loa Solar Observatory Observer's Log

Sun Dec 10 17:17:28 GMT 2006

Year: 06 Doy: 344

Observer: koon

Sun Dec 10 17:20:56 GMT 2006 MKIV Start Patrol

WEATHER COMMENT: Sun Dec 10 17:17:31 GMT 2006

Thin cirrostratus overcast, wind=10 mph from the SE, temp=46F.

____end____

Sun Dec 10 17:21:49 GMT 2006 PICS Start Patrol

Sun Dec 10 17:24:49 GMT 2006 CHIP Start Patrol

Sun Dec 10 17:26:29 GMT 2006 PICS End Patrol

PICS PROBLEM Sun Dec 10 17:27:12 GMT 2006

Pausing obs, no disk images, apparently the problem started yesterday but wasn't fixed. It's probably the filter stage again. I'll wait until the dome warms up a little and some data are gathered by the instruments that are running, then I'll pause every instrument and lock the spar and work on the problem.

____end____

SBM COMMENT: Sun Dec 10 17:32:32 GMT 2006

Obs.

____end____

PSPT COMMENT: Sun Dec 10 17:32:39 GMT 2006

Obs.

____end____

SBM COMMENT: Sun Dec 10 17:34:45 GMT 2006

Adjusted the occulting.

____end____

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Sun Dec 10 17:56:57 GMT 2006

MLSO WEB PAGE IS UP, Sun Dec 10 17:57:00 GMT 2006

Sun Dec 10 18:00:44 GMT 2006 CHIP LSD

Sun Dec 10 18:02:27 GMT 2006 CHIP End LSD

Sun Dec 10 18:02:42 GMT 2006 CHIP BiasLSD

Sun Dec 10 18:03:38 GMT 2006 CHIP End BiasLSD

Sun Dec 10 18:03:47 GMT 2006 CHIP Bias

Sun Dec 10 18:04:40 GMT 2006 CHIP End Bias

Sun Dec 10 18:04:47 GMT 2006 CHIP ReStart Patrol

WEATHER COMMENT: Sun Dec 10 18:13:03 GMT 2006

Cirrostratus is getting thicker, pausing mk4.

____end____

Sun Dec 10 18:14:17 GMT 2006 MKIV End Patrol

SBM COMMENT: Sun Dec 10 18:19:36 GMT 2006

Paused due to clouds.

____end____

Sun Dec 10 18:50:46 GMT 2006 MKIV Start Cal

WEATHER COMMENT: Sun Dec 10 18:53:05 GMT 2006

Clouds thinned, restarted mk4 and sbm.

___end___

Sun Dec 10 19:09:32 GMT 2006 MKIV End Cal
Sun Dec 10 19:09:41 GMT 2006 MKIV Start Patrol
PICS COMMENT: Sun Dec 10 21:38:57 GMT 2006

I got some good data, now I'm going to try to work on the Halle filter problem without stopping the other instruments, I may bump the spar around until I'm done.

___end___

COMMENT: Mon Dec 11 01:18:54 GMT 2006
Bouncing spar around too much, pausing instruments.

___end___

PICS PROBLEM: Mon Dec 11 01:19:23 GMT 2006
Still working on problems.

___end___

Mon Dec 11 01:21:56 GMT 2006 MKIV End Patrol
Mon Dec 11 01:24:16 GMT 2006 CHIP End Patrol
PICS PROBLEM: Mon Dec 11 01:24:27 GMT 2006

I'm going to stop and cleanup for the day, I made good progress with the Halle filter problem. The underlying problem is that the filter weighs a lot and transfers its weight to a small bearing that is held in by friction and a tiny clip on the other end of the leadscrew that drives the filter in and out. I found and fixed a new problem related to the stage, the linear bearing at the O1 end of the stage had worked past the screw-type bearing stop and jammed the action of the stage; so I removed the bearing and cleaned and lubed it then replaced it and used washers to help orient the stops so they work again, the bearings and stops at the lower end were good but I lubed them too. I'm working on a way to hold the leadscrew bearing in better now, I will need to finish that on Tuesday so the PICS is down till then. The tiny setscrew for the leadscrew sprocket was stripped and I couldn't get it out so I drilled and tapped a new hole on the opposite side of the flange, then I installed a beefy capscrew that will be easier to tighten more and yet will be easier to remove too. The leadscrew was out of position and the cable-chain was off, familiar symptoms we've seen and temporarily fixed in the past, I hope to install a much longer lasting fix to that problem on Tuesday.

___end___

NICE MK4 IMAGE: 1906
NICE CHIP IMAGE: 1844
NICE PICSLIMB IMAGE: 1725
Mon Dec 11 02:06:39 GMT 2006
MkIV

00_01.rawmk4	17_32.rawmk4	19_47.rawmk4	21_16.rawmk4	22_47.rawmk4
00_04.rawmk4	17_35.rawmk4	19_50.rawmk4	21_19.rawmk4	22_50.rawmk4
00_07.rawmk4	17_38.rawmk4	19_53.rawmk4	21_21.rawmk4	22_53.rawmk4
00_10.rawmk4	17_41.rawmk4	19_56.rawmk4	21_24.rawmk4	22_56.rawmk4
00_13.rawmk4	17_44.rawmk4	19_59.rawmk4	21_27.rawmk4	22_59.rawmk4
00_16.rawmk4	17_47.rawmk4	20_02.rawmk4	21_30.rawmk4	23_02.rawmk4
00_18.rawmk4	17_50.rawmk4	20_05.rawmk4	21_33.rawmk4	23_05.rawmk4

00_21.rawmk4	17_53.rawmk4	20_08.rawmk4	21_36.rawmk4	23_08.rawmk4
00_24.rawmk4	17_56.rawmk4	20_11.rawmk4	21_39.rawmk4	23_11.rawmk4
00_30.rawmk4	17_59.rawmk4	20_14.rawmk4	21_42.rawmk4	23_14.rawmk4
00_34.rawmk4	18_02.rawmk4	20_17.rawmk4	21_45.rawmk4	23_17.rawmk4
00_37.rawmk4	18_05.rawmk4	20_20.rawmk4	21_48.rawmk4	23_20.rawmk4
00_40.rawmk4	18_08.rawmk4	20_23.rawmk4	21_51.rawmk4	23_23.rawmk4
00_43.rawmk4	18_11.rawmk4	20_26.rawmk4	21_54.rawmk4	23_26.rawmk4
00_46.rawmk4	18_53.rawmk4	20_29.rawmk4	21_57.rawmk4	23_29.rawmk4
00_49.rawmk4	18_59.rawmk4	20_32.rawmk4	22_00.rawmk4	23_31.rawmk4
00_52.rawmk4	19_06.rawmk4	20_34.rawmk4	22_03.rawmk4	23_34.rawmk4
00_55.rawmk4	19_09.rawmk4	20_37.rawmk4	22_08.rawmk4	23_37.rawmk4
00_57.rawmk4	19_12.rawmk4	20_40.rawmk4	22_12.rawmk4	23_40.rawmk4
01_00.rawmk4	19_15.rawmk4	20_43.rawmk4	22_15.rawmk4	23_43.rawmk4
01_03.rawmk4	19_18.rawmk4	20_46.rawmk4	22_18.rawmk4	23_46.rawmk4
01_06.rawmk4	19_21.rawmk4	20_49.rawmk4	22_21.rawmk4	23_49.rawmk4
01_09.rawmk4	19_24.rawmk4	20_52.rawmk4	22_24.rawmk4	23_52.rawmk4
01_12.rawmk4	19_27.rawmk4	20_55.rawmk4	22_27.rawmk4	23_55.rawmk4
01_15.rawmk4	19_30.rawmk4	20_58.rawmk4	22_30.rawmk4	23_58.rawmk4
01_18.rawmk4	19_33.rawmk4	21_01.rawmk4	22_33.rawmk4	c18_50.rawmk4
17_20.rawmk4	19_36.rawmk4	21_04.rawmk4	22_36.rawmk4	c18_56.rawmk4
17_23.rawmk4	19_39.rawmk4	21_07.rawmk4	22_39.rawmk4	c19_03.rawmk4
17_26.rawmk4	19_42.rawmk4	21_10.rawmk4	22_42.rawmk4	
17_29.rawmk4	19_44.rawmk4	21_13.rawmk4	22_45.rawmk4	