
Mauna Loa Solar Observatory Observer's Log

Wed Oct 29 16:57:28 GMT 1997
Year: 97 Doy: 302
Observer: koon

Mauna Loa Solar Observatory Observer's Log

Wed Oct 29 16:57:54 GMT 1997
Year: 97 Doy: 302
Observer: koon

WEATHER COMMENT: Wed Oct 29 16:59:27 GMT 1997
Medium cirrostratus, wind=10 mph from the South, temp=40 F.

MKIII COMMENT: Wed Oct 29 17:04:13 GMT 1997

Will wait for clouds to clear before starting this instrument.

Wed Oct 29 18:02:18 GMT 1997 PICS Flat
Wed Oct 29 18:03:39 GMT 1997 PICS End Flat
Wed Oct 29 19:02:29 GMT 1997 PICS Flat
Wed Oct 29 19:03:52 GMT 1997 PICS End Flat
Wed Oct 29 20:02:27 GMT 1997 PICS Flat
Wed Oct 29 20:03:47 GMT 1997 PICS End Flat

MKIII COMMENT: Wed Oct 29 20:22:11 GMT 1997

Loaf-of bread looked bad even though the sky looked clear, found out the tilt plates were in. Moved out tilt plates and started scans.

WEATHER COMMENT: Wed Oct 29 20:23:09 GMT 1997

Sky is clear now.

COMMENT: Wed Oct 29 20:29:47 GMT 1997

The spar was bouncing quite a bit in RA even though there is no wind. I checked up stairs and I could see that the MKIII O1 guiders were moving and the spar bounce was visible on our spar aimer. I was just about to adjust the guider gain when the O1 guiders stopped making noise and the spar stopped bouncing. I moved the spar but the O1 guiders wouldn't react. I check in the control room and the spar guiders were still working correctly. So it looks like when the O1 is moving during guiding it is moving the spar enough to affect spar guiding. Ideally we need to turn down the gain on the MKIII O1 guider control system loop, and maybe on the spar guiding control system as well. I still don't know why the O1 guiders suddenly stop guiding like this now and then, but that is when we get our best occulting and spar guiding.

1

Wed Oct 29 21:02:23 GMT 1997 PICS Flat
Wed Oct 29 21:03:45 GMT 1997 PICS End Flat
Wed Oct 29 21:04:16 GMT 1997 MKIII Start Patrol
Wed Oct 29 21:04:16 GMT 1997 MKIII Start Patrol
Wed Oct 29 22:02:25 GMT 1997 PICS Flat
Wed Oct 29 22:03:50 GMT 1997 PICS End Flat
Wed Oct 29 22:14:22 GMT 1997 MKIII End Patrol

Wed Oct 29 22:14:22 GMT 1997 MKIII End Patrol
Wed Oct 29 22:14:26 GMT 1997 PICS End Patrol

COMMENT: Wed Oct 29 23:10:03 GMT 1997

In order to improve the spar balance, and hopefully the guiding as well, I added a few weights to the spar to compensate for the missing CHIP filter and filter temperature controller.

COMMENT: Wed Oct 29 23:11:45 GMT 1997

TAPES:

MKIII: H01676

PICS: P01023

LOWL: L00480 in drive #0

CHIP: down for filter repairs.

Wed Oct 29 23:16:49 GMT 1997

MkIII

20_36.rawmk3	21_01.rawmk3	21_33.rawmk3	21_48.rawmk3	22_02.rawmk3
20_39.rawmk3	21_04.rawmk3	21_36.rawmk3	21_51.rawmk3	c20_45.rawmk3
20_42.rawmk3	21_07.rawmk3	21_39.rawmk3	21_54.rawmk3	c20_51.rawmk3
20_48.rawmk3	21_10.rawmk3	21_42.rawmk3	21_56.rawmk3	c20_57.rawmk3
20_54.rawmk3	21_13.rawmk3	21_45.rawmk3	21_59.rawmk3	