
Mauna Loa Solar Observatory Observer's Log

Fri Oct 24 16:48:28 GMT 1997

Year: 97 Doy: 297

Observer: yasukawa

WEATHER COMMENT: Fri Oct 24 16:48:53 GMT 1997

Cool, clear, south wind.

MKIII COMMENT: Fri Oct 24 16:49:14 GMT 1997

Reset KCC after startup to clear "tape not detected" message.

Running with R-squared spare drive.

LOW-L COMMENT: Fri Oct 24 16:50:04 GMT 1997

LOWL tape L00478 was popped. L00479 in drive 1 active, cleaned drive 0 and loaded L00480.

Fri Oct 24 16:56:16 GMT 1997 MKIII Start Patrol

Fri Oct 24 17:02:56 GMT 1997 PICS Start Patrol

WEATHER COMMENT: Fri Oct 24 17:35:52 GMT 1997

Cirrus patch passing thru.

Fri Oct 24 18:01:28 GMT 1997 PICS Flat

Fri Oct 24 18:02:54 GMT 1997 PICS End Flat

MKIII COMMENT: Fri Oct 24 18:21:25 GMT 1997

Spare drive worked fine with David's mods. Stopped, writing an EOF, Unloading. Will turn KCC off, then connect MKIII drive with the active terminator, turn KCC back on, attempt to use MKIII drive with the mod. Unloading H01674, loading H01675.

PICS COMMENT: Fri Oct 24 18:24:04 GMT 1997

Difficult keeping occulting stable.

Fri Oct 24 18:31:29 GMT 1997 MKIII Start Patrol

MKIII COMMENT: Fri Oct 24 18:32:52 GMT 1997

Strange message on akamai: "No known instrument at this location..."

MKIII COMMENT: Fri Oct 24 18:35:53 GMT 1997

After Idle, I will reset KCC again, Begin Day, and restart Patrol.

I got message "interrupt: ei driver: command field frozen" twice after the first write began.

Fri Oct 24 18:39:18 GMT 1997 MKIII Start Patrol

MKIII COMMENT: Fri Oct 24 18:44:13 GMT 1997

No funnies this time. I think it was because I forgot to press Begin Day last time after I powered the KCC down and swapped drives.

MKIII COMMENT: Fri Oct 24 18:49:50 GMT 1997

After two successful writes, third file write attempt gave me a pile of tape write error 0 messages. If this occurs after the 4th file, I will unload this tape, reconnect the spare drive, and restart the tape (H01675) on the spare drive.

MKIII COMMENT: Fri Oct 24 18:52:23 GMT 1997

Executing plan. Image 4 write failed--got a pile of errors.

MKIII COMMENT: Fri Oct 24 18:56:54 GMT 1997

Swap done, powered KCC up to load tape into spare drive, turned KCC back off to test David's suggested power-up technique of powering

up KCC, and immediately (I waited a couple of seconds) pressing the red reset switch, to see if the "No tape detected" messages are eliminated. They were.

Fri Oct 24 19:01:27 GMT 1997 PICS Flat

Fri Oct 24 19:02:50 GMT 1997 PICS End Flat

COMMENT: Fri Oct 24 19:18:41 GMT 1997

Going down to GONG to do weekly PM.

COMMENT: Fri Oct 24 19:48:34 GMT 1997

Back from GONG.

Fri Oct 24 20:01:23 GMT 1997 PICS Flat

Fri Oct 24 20:02:43 GMT 1997 PICS End Flat

COMMENT: Fri Oct 24 20:19:36 GMT 1997

Right ascension seems a bit unstable, not sure why at this time.

WEATHER COMMENT: Fri Oct 24 21:00:21 GMT 1997

In thin cirrus.

COMMENT: Fri Oct 24 21:00:36 GMT 1997

I tried tweeking the transresistor amplifier gain on the spar guider EW board. I did not see any change in the way the O1 guider stepper responded to the oscillating spar guider.

Set gain back to approximately where it was.

Fri Oct 24 21:02:47 GMT 1997 PICS End Flat

MKIII COMMENT: Fri Oct 24 21:04:08 GMT 1997

Stopping MKIII due to cirrus.

COMMENT: Fri Oct 24 21:11:00 GMT 1997

Checked RA gain, looks OK. I'm wondering if the O1 guider fix is causing the spar to oscillate? Or is it just oscillating to compensate for the Spar Guider oscillation?

COMMENT: Fri Oct 24 21:22:21 GMT 1997

Found a piece of aluminum with a hole in the middle, used it as an iris on the spar guider to stop the aperature down a bit.

This seemed to reduce the oscillation.

COMMENT: Fri Oct 24 21:33:26 GMT 1997

Well.. the stop slid off, so it wasn't a good test. Tried adjusting the sensor gain again, 2 turns CW, then back, then 2 turns CCW.

No change. Centered the O1 guider stepper with the Spar guider E/W adjustment at the rear of the guider tube.

WEATHER COMMENT: Fri Oct 24 21:35:45 GMT 1997

Cirrus variably thick and extensive now. It'll screw up any guider tests. Data bad. Stopping.

Fri Oct 24 21:37:16 GMT 1997 PICS End Patrol

COMMENT: Fri Oct 24 21:39:08 GMT 1997

Tapes: MKIII: H01674 and H01675

PICS: P01019

LOWL: L00479 in drive 1

RECYCLE: H01673

MKIII COMMENT: Fri Oct 24 21:42:37 GMT 1997

H01674, with calibration and less noisy data is in nene overnight.

Fri Oct 24 21:44:56 GMT 1997
MkIII

| | | | | |
|--------------|--------------|--------------|--------------|---------------|
| 16_56.rawmk3 | 17_43.rawmk3 | 19_03.rawmk3 | 19_50.rawmk3 | 20_37.rawmk3 |
| 16_59.rawmk3 | 17_46.rawmk3 | 19_06.rawmk3 | 19_53.rawmk3 | 20_40.rawmk3 |
| 17_02.rawmk3 | 17_49.rawmk3 | 19_09.rawmk3 | 19_56.rawmk3 | 20_43.rawmk3 |
| 17_05.rawmk3 | 17_52.rawmk3 | 19_12.rawmk3 | 19_59.rawmk3 | 20_45.rawmk3 |
| 17_08.rawmk3 | 17_55.rawmk3 | 19_15.rawmk3 | 20_02.rawmk3 | 20_48.rawmk3 |
| 17_11.rawmk3 | 17_57.rawmk3 | 19_18.rawmk3 | 20_05.rawmk3 | 20_51.rawmk3 |
| 17_14.rawmk3 | 18_04.rawmk3 | 19_21.rawmk3 | 20_08.rawmk3 | 20_54.rawmk3 |
| 17_17.rawmk3 | 18_10.rawmk3 | 19_24.rawmk3 | 20_10.rawmk3 | 20_57.rawmk3 |
| 17_19.rawmk3 | 18_16.rawmk3 | 19_27.rawmk3 | 20_13.rawmk3 | 21_00.rawmk3 |
| 17_22.rawmk3 | 18_31.rawmk3 | 19_30.rawmk3 | 20_16.rawmk3 | 21_03.rawmk3 |
| 17_25.rawmk3 | 18_34.rawmk3 | 19_32.rawmk3 | 20_19.rawmk3 | 21_06.rawmk3 |
| 17_28.rawmk3 | 18_40.rawmk3 | 19_35.rawmk3 | 20_22.rawmk3 | c18_00.rawmk3 |
| 17_31.rawmk3 | 18_43.rawmk3 | 19_38.rawmk3 | 20_25.rawmk3 | c18_07.rawmk3 |
| 17_34.rawmk3 | 18_46.rawmk3 | 19_41.rawmk3 | 20_28.rawmk3 | c18_13.rawmk3 |
| 17_37.rawmk3 | 18_49.rawmk3 | 19_44.rawmk3 | 20_31.rawmk3 | |
| 17_40.rawmk3 | 19_00.rawmk3 | 19_47.rawmk3 | 20_34.rawmk3 | |