
Mauna Loa Solar Observatory Observer's Log

Tue May 20 16:48:18 GMT 2003

Year: 03 Doy: 140

Observer: koon

Tue May 20 16:52:21 GMT 2003 CHIP Start Patrol

WEATHER COMMENT: Tue May 20 16:48:30 GMT 2003

Clear sky, no wind, temp=42 F.

Tue May 20 16:52:30 GMT 2003 PICS Start Patrol

MKIV COMMENT: Tue May 20 16:52:54 GMT 2003

Centered occulting.

Tue May 20 16:53:40 GMT 2003 MKIV Start Patrol

A NEW TAPE HAS BEEN PUT INTO KAIEE DLT DRIVE, Tue May 20 17:09:16 GMT 2003

MKIV COMMENT: Tue May 20 17:23:35 GMT 2003

Centered occulting.

MKIV COMMENT: Tue May 20 17:49:30 GMT 2003

Centered occulting.

Tue May 20 18:01:46 GMT 2003 CHIP LSD

Tue May 20 18:03:35 GMT 2003 CHIP End LSD

Tue May 20 18:03:44 GMT 2003 CHIP BiasLSD

Tue May 20 18:04:14 GMT 2003 PICS Flat

Tue May 20 18:04:43 GMT 2003 MKIV End Patrol

Tue May 20 18:04:37 GMT 2003 CHIP End BiasLSD

Tue May 20 18:04:56 GMT 2003 MKIV Start Cal

Tue May 20 18:04:55 GMT 2003 CHIP Bias

Tue May 20 18:05:56 GMT 2003 CHIP End Bias

Tue May 20 18:06:39 GMT 2003 PICS End Flat

Tue May 20 18:24:32 GMT 2003 MKIV Start Patrol

WEATHER COMMENT: Tue May 20 18:48:22 GMT 2003

Wind is now about 5 mph from the North, there is a low layer of haze that ends around MLSO elevation and may be affecting the sky brightness, there are also scattered cirrus clouds.

MKIV COMMENT: Tue May 20 18:51:05 GMT 2003

Centered occulting.

MKIV COMMENT: Tue May 20 19:56:43 GMT 2003

Centered occulting.

COMMENT: Tue May 20 20:02:09 GMT 2003

Extended the dome slot.

MKIV COMMENT: Tue May 20 21:06:25 GMT 2003

Pausing due to clouds.

Tue May 20 21:10:33 GMT 2003 MKIV End Patrol

WEATHER COMMENT: Tue May 20 23:59:29 GMT 2003

Orographic clouds are passing over.

PSPT PROBLEM : Wed May 21 00:00:13 GMT 2003

I've mounted the new motor for the dome shutter, but the wiring connections are different and confusing. I've not found much information on the Internet. The old motor was a Dayton 5K942D and the new motor is a 5K942E, but the

dimensions and all other specs are the same. Still trying to figure it out.

Wed May 21 01:20:53 GMT 2003 CHIP End Patrol

WEATHER COMMENT: Wed May 21 01:21:12 GMT 2003

Clouds are still very thick, spar not tracking, pausing instruments.

Wed May 21 01:23:53 GMT 2003 PICS End Patrol

****PSPT PROBLEM****: Wed May 21 01:57:22 GMT 2003

I figured out the wiring and the shutter can be used now with the new motor. The motor will stall sometimes upon startup from a stopped position, it seems like the 1/4 HP rating is too low for the shutter - though that is what the previous motor was too. To get out of a stall move the shutter the opposite direction until you reach a limit switch - sometimes you can get going by repeatedly trying to start in the same direction. I adjusted the limit switches but found that it was better to let the shutter run into the mechanical stop as it glides to a stop after activating the limit switch - that seemed to take a load off the motor making it easier to get it going in the opposite direction I'm worn out, that's all for today. PSPT can be used I think, but it is too cloudy to use it right now.

Wed May 21 02:27:37 GMT 2003

MkIV

16_53.rawmk4	17_43.rawmk4	18_45.rawmk4	19_39.rawmk4	20_29.rawmk4
16_56.rawmk4	17_46.rawmk4	18_48.rawmk4	19_41.rawmk4	20_31.rawmk4
16_59.rawmk4	17_49.rawmk4	18_51.rawmk4	19_44.rawmk4	20_34.rawmk4
17_02.rawmk4	17_52.rawmk4	18_54.rawmk4	19_47.rawmk4	20_37.rawmk4
17_05.rawmk4	17_55.rawmk4	18_56.rawmk4	19_50.rawmk4	20_40.rawmk4
17_08.rawmk4	17_58.rawmk4	18_59.rawmk4	19_53.rawmk4	20_43.rawmk4
17_11.rawmk4	18_01.rawmk4	19_02.rawmk4	19_56.rawmk4	20_46.rawmk4
17_14.rawmk4	18_08.rawmk4	19_05.rawmk4	19_59.rawmk4	20_49.rawmk4
17_17.rawmk4	18_14.rawmk4	19_08.rawmk4	20_02.rawmk4	20_52.rawmk4
17_20.rawmk4	18_20.rawmk4	19_14.rawmk4	20_05.rawmk4	20_55.rawmk4
17_23.rawmk4	18_24.rawmk4	19_18.rawmk4	20_08.rawmk4	20_58.rawmk4
17_26.rawmk4	18_27.rawmk4	19_21.rawmk4	20_11.rawmk4	21_01.rawmk4
17_29.rawmk4	18_30.rawmk4	19_24.rawmk4	20_14.rawmk4	21_04.rawmk4
17_31.rawmk4	18_33.rawmk4	19_27.rawmk4	20_17.rawmk4	21_07.rawmk4
17_34.rawmk4	18_36.rawmk4	19_30.rawmk4	20_20.rawmk4	c18_04.rawmk4
17_37.rawmk4	18_39.rawmk4	19_33.rawmk4	20_23.rawmk4	c18_11.rawmk4
17_40.rawmk4	18_42.rawmk4	19_36.rawmk4	20_26.rawmk4	c18_17.rawmk4