

Re: Strange LX200 tracking and PEC problems

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- *From:* "Roger Hamlett" <rogerspamignored@xxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Mon, 17 Jul 2006 16:03:17 GMT
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<samosmrke@xxxxxxxxxx> wrote in message
news:1153149331.613798.260510@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

You mean the battery on the LX200 circuit board?
I don't use batteries to power the telesocpe.

I was thinking... is it possible that the grease on the worm gear is too old and it gets harder when temperature falls during the night and so the telescope slows down?

Samo

Realistically, no. The motor is a `_servo_`, and knows how far it has moved, and will apply more power as needed. This is why if something does impede the movement, the drives can burn out...

The battery being referred to is the lithium cell that powers the clock chips.

The scope would only 'slow' under load, if the main power supply was not adequate. If the supply voltage was falling, there are a number of possible effects, which might include this one, if for example, the noise levels internally were rising under load, and leading to spurious encoder counts being detected.

Best Wishes

Havriliak@xxxxxxx wrote:

How's your battery doing.

samosmrke@xxxxxxxxxx wrote:

William Hamblen wrote:

On 2006-07-17, samosmrke@xxxxxxxxxx
<samosmrke@xxxxxxxxxx> wrote:

Re: Strange LX200 tracking and PEC problems

I have some strange tracking problems with my LX200. The tracking speed is somehow very slowly slowing down from the moment I turn on the telescope. With uncorrected PEC (21600) tracking is a little too slow, when I do PEC after I turn on the telescope I get somewhere around 21530 pulses from the encoder. For an hour or so the tracking is good and with a CCD I can take up to three minutes exp