

Re: Strange LX200 tracking and PEC problems

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- *From:* Havriliak@xxxxxxx
 - *Date:* 17 Jul 2006 07:23:10 -0700
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How's your battery doing.

samosmrke@xxxxxxxxx wrote:

William Hamblen wrote:

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

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 exposures without any drift. But after that tracking slows down so I can't even to 30s exposures. If I do PEC again I get numbers somewhere around 21450. This means that the tracking is 0,7% slower than it should be, the theoretical error in three minutes then should be about 20", what is pretty much the R.A drift I get. Has anybody any ideas what could be wrong? Might be something wrong with the encoders?

Does the LX200 have a programmable tracking rate? Could it be set to a rate other than sidereal?

Re: Strange LX200 tracking and PEC problems

Bud

Yes it has, It it set to sidereal. The problem is not that the speed is too slow (this can be well corrected with PEC) but that the speed is changing with time.

Samo