On 4/18/2014 15:28, Robert Brusa wrote:

Hi Ward,

it seems the tracker is moving again? I conclude this from two snapshots of the "Positions and Modes" View (**PMV**) - about two minutes appart, but showing quite different positions. Correct? This triggers hope that the problem can be fixed.

The diagnostic message you cite tells us, that the position deduced from the hall sensors of the motors (taking into account gear-ratio) and the position deduced from the encoders attached to the axis do not match. The controller then stops tracker operation, because it assumes that both positions are questionable. But it seems, that this missmatch is not persistent and if we succeed in making a reset, the tracker will most probably continue to work correctly. Let's try it. But firstly, I recommend to enlarge the PMV to make the full image visible - especially the status line at the bottom of the the view.

Then do the following:

* **in the PMV enter 900 in the entry PA in frame Run Motors, then click the Run button**
* **periodically click on GetPos to update the position-information. If numbers in "cur. Tracker PA" do not move - stop by clicking on Reset - else let it run until position is below 15°, but above 5°, then click Reset to stop it.**
* **Repeat the above two points on the SA (secondary axis).**
* **Once both positions are within this range, click Go in the FindZero frame.**

**Both axis now move ccw and stop if they hit the zero mark of the encoder disk. You will get a corresponding message in the terminal view of IntraCfg - or else a corresponding error message. Please contact me again in the latter case. Assuming that both Zero Marks are found,**

* **click on GetPos and ChkAxis (The flags should now be 00002020 again)**

 **Finally click on Sun in the Mode frame and the tracker should resume normal operation.**

Good luck and thanks a lot.
Regards - Roe

**PS: While connected with IntraCfg, it probably makes sense to check the clock of the tracker. Assuming your laptop runs on (accurate +- 1 s) Universal Time (London-Time) this is most simply achieved by**

* **Open the TimeDate View using the menue-entry RemoteCfg**
* **click SendNow**