

Re: GPS Unit for Timekeeping on Linux?

Source: <http://sci.tech-archive.net/Archive/sci.geo.satellite-nav/2004-11/0876.html>

From: Wayne R. (wruffner_at_KomKast.net)

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You could do a network share between your two machines – 100' isn't far at all to drop an ethernet cable into a slot you could cut in your turf with a flat shovel. The either machine could do a synch; if it was the one in your house, then the remote one could synch to it.

Yes, some tinkering will be necessary. If you either 1) fix the reason your system crashes &/or 2) put your overall Linux on a bootable CD, then losing your config won't be an issue. And it's sure cheap.

A Trimble Acutime 2000 system would be able to give you, I think, UTC to 10ms. More fiddling & cost, but you'd be independent from dialup.

(Here's a Trimble Acutime kit that went on eBay just over a week ago:)

<<http://tinyurl.com/55ytu>>

On Mon, 15 Nov 2004 11:08:33 GMT, "W. Watson"

>I have a meteor application that operates a camera from sundown to sunrise, and the
>more accurate the times the better. Right now the drift is in the order of several
>minutes per month. Synching once a day might do the trick, but I'd like to see it
>automated, so that I wouldn't have to dial up the internet. If the application were
>near my most frequently used computer, the one in my house, I'd probably be inclined
>to manually update the time by the network every day; however, it is a building 100
>feet away and going out there every day is not something I think about much.

>

>I know there are manual techniques in Linux to refine the times, but I don't
>presently have a lot of confidence in them. In particular, it appears if Linux goes
>down unexpectedly, one gets to start all over with the refinement. My system seems to
>crash about once every two weeks. I could be wrong about having to start almost from
>scratch on the refinement. It's something I should explore.