
Subject: Re: zenpos vs. SkyCalendar

Posted by [Gray](#) on Tue, 15 Mar 2011 23:30:47 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Mar 15, 7:04 pm, Gray <grayliketheco...@gmail.com> wrote:

> Hi all,
>
> I'm trying to use ZENPOS from the IDL Astronomy Library, but I'm not
> getting the results I expect. If I compare with SkyCalendar ([http://](http://preview.tinyurl.com/495ys8l)
> preview.tinyurl.com/495ys8l) for Kitt Peak, I get:
>
> Date (eve/morn) JDmid LMSTmidn LST twilight:
> (2011 at start) (-2450000) eve morn
>
> Tue Mar 01/Wed Mar 02 5622.8 10 12 26 5 57 15 45
>
> But when I use ZENPOS, I get this:
>
> IDL> observatory, 'kpno', obs
> IDL> common site, lat, lng, tzone
> IDL> lat = obs.latitude
> IDL> lng = obs.longitude
> IDL> tzone = obs.tz
> IDL> day = julday(3,1,2011,24,0,0)
> IDL> zenpos, day, ra, dec
> IDL> print, day-2450000
> 5622.5000
> IDL> print, ra/(!dtor*15.)
> 18.069183
>
> Am I missing something? Am I interpreting either piece of information
> incorrectly? Help?
>
> Thanks!
> --Gray

Never mind. What I really wanted was CT2LST, not ZENPOS.
