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Subject: Re: Planet movements  
Posted by [htonishi](#) on Fri, 03 Mar 2000 08:00:00 GMT  
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Mike,

Here is the definitive answer. Unfortunately it requires a certain amount of expertise.

<http://aa.usno.navy.mil/AA/>

The NOVAS code contains a subroutine called tpplan (FORTRAN version) which calls a JPL subroutine which access the database and computes the planet position as seen by an observer on the earth.

Also, see the link to Jet Propulsion Laboratory DE405 planetary ephemeris.

Of course this stuff is not in IDL. You might want to check out some of the IDL astro sites. They might have something that could be used directly.

\* Sent from RemarQ <http://www.remarq.com> The Internet's Discussion Network \*  
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Subject: Re: Planet movements  
Posted by [John-David T. Smith](#) on Fri, 03 Mar 2000 08:00:00 GMT  
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Mike Schienle wrote:

>  
> Hi all -  
>  
> I have a friend with an Astrology angle that would like me to map the  
> planet's movements for a given day. Can someone clue me in what I need  
> to get started with this? I'm about to head over to a few NASA sites and  
> see if I can find an ephemeris and TLE's, but not knowing exactly what  
> to do with them. This is a new area for me, so anything related (books,  
> sites, info) would be very helpful.

<http://www.heavens-above.com/planets.asp>

JD

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Subject: Re: Planet movements  
Posted by [htonishi](#) on Sat, 04 Mar 2000 08:00:00 GMT  
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Here's some freeware

<http://www.fourmilab.ch/>

Program is called Home Planet

<http://www.stk.com/>

Program is called STK (Satellite Tool Kit -- I don't know if it  
has planets but it seems to have everything else so, ...)

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Subject: Re: Planet movements  
Posted by [Mike Schienle](#) on Sun, 05 Mar 2000 08:00:00 GMT  
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In article <01781ef1.6a301fb1@usw-ex0105-034.remarq.com>, htonishi  
<htonishiNOhtSPAM@home.com.invalid> wrote:

> [www.fourmilab.ch](http://www.fourmilab.ch)

Thanks to everyone that provided help. I think I found what I need  
through a link at the above, which led me to a link for the book  
"Astronomical Algorithms" on  
<<http://www.fourmilab.to/solar/credits.html>>. I've ordered that book  
through <<http://www.fatbrain.com/>>. For anyone else interested in the  
book, the provided ISBN on the fourmilab page is outdated and should be  
0943396611.

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