
Subject: Re: day or night

Posted by [David Fanning](#) on Thu, 27 Dec 2012 06:21:35 GMT

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

Gompie writes:

> I know the lat lon and time of a place on earth. How do I know if it is day or night.

Well, that's a good question. For which I don't have a off-the-top-of-my-head answer, although I'm sure the astronomers will and I'm reasonably sure the answer is going to involve converting the time to a Julian time.

What does come immediately to mind, of course, is my cgTerminatorMap program, which has to do something reasonable similar.

<http://www.idlcoyote.com/idldoc/cg/cgterminatormap.html>

On about line 240 or so you see a number of calls to the "time" functions of the Johns Hopkins University Applied Physics Lab. I feel 100 percent certain that the answer to this question is going to be found in the IDL routines that can be found there:

http://fermi.jhuapl.edu/s1r/idl/s1r/lib/local_idl.html

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")
