
Subject: IDL code for finding solar zenith angle, solar azimuth angle and sun-earth distance basing on lat, lon, julian day number, utc_hours, utc_minutes and utc_seconds information

Posted by [atmospheric physics](#) on Wed, 18 Dec 2013 16:59:08 GMT

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Hello All,

I am looking for any readily available IDL function which can provide me directly the SOLAR ZENITH ANGLE, SOLAR AZIMUTH ANGLE, SUN-EARTH DISTANCE basing on my inputs - [latitude, longitude, julian day number (e.g., 1-365), UTC hours, UTC minutes, UTC seconds]. Can anyone suggest me???

Thanks in advance.

Subject: Re: IDL code for finding solar zenith angle, solar azimuth angle and sun-earth distance basing on lat, lon, julian day number, utc_hours, utc_minutes and utc_seconds information

Posted by [Craig Markwardt](#) on Thu, 19 Dec 2013 02:39:27 GMT

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On Wednesday, December 18, 2013 11:59:08 AM UTC-5, Madhavan Bomidi wrote:

> I am looking for any readily available IDL function which can provide me directly the SOLAR ZENITH ANGLE, SOLAR AZIMUTH ANGLE, SUN-EARTH DISTANCE basing on my inputs - [latitude, longitude, julian day number (e.g., 1-365), UTC hours, UTC minutes, UTC seconds]. Can anyone suggest me???

Did you check out the IDL astronomy library?
