

Please note that this web page is the old version of the NOAA Solar Calculator. Back when this calculator was first created, we decided to use a non-standard definition of longitude and time zone, to make coordinate entry less awkward. So on this page, both longitude and time zone are defined as positive to the west, instead of the international standard of positive to the east of the Prime Meridian.

We maintain this page as a courtesy to those people who, for whatever reason, prefer the old calculator. For the rest of you, we encourage you to instead <u>click here to try the updated version of NOAA's Solar</u> <u>Calculator</u>

City:		Deg:	Min:	Sec:	Time Zone			
Boulder, CO	Lat: North=+ South=-		7	30	Offset to <u>UTC</u> (MST=+7):	Daylight Saving Time:		
Click here for help finding your lat/long coordinates	Long: West=+ East=-	105	14	13	7	No		
Note: To manually enter latitude/longitude, select Enter Lat/Long -> from the City pulldown menu, and enter the values in the text boxes to the right.								

Month:	Day:	Year (e.g. 2000):		
December	22	2010		

Calculate Sunrise/Sunset

Equation of Time (minutes):	Solar Declination (degrees):	<u>Apparent</u> <u>Sunrise</u> :	Solar Noon:	<u>Apparent</u> <u>Sunset</u> :	Time Zone
1.55	-23.44	7:20AM	11:59:24	4:39PM	Local
		14:20	18:59:24	23:39	UTC

Directions:

1. Select a location from the City pulldown menu, <u>OR</u> select "Enter Lat/Long ->" from the pulldown menu, and manually enter the latitude, longitude and time zone information in the appropriate text boxes. The following sign conventions are used: