

## Re: Earth rotation

**Source:** <http://sci.tech-archive.net/Archive/sci.astro/2004-07/0182.html>

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**From:** Oriel36 (geraldkelleher\_at\_hotmail.com)

**Date:** 07/02/04

Date: 2 Jul 2004 10:06:10 -0700

"OG" <owen@gwynnefamily.org.uk> wrote in message news:<2keanvF1dqt2U1@uni-berlin.de>...

> "Oriel36" <geraldkelleher@hotmail.com> wrote in message

> news:273f8e06.0406260449.6c36d1cd@posting.google.com...

>>

>> *My only enemy is laziness rather than anyone in particular.*

>

> *Don't be too hard on yourself, I don't think you're lazy ;-*)

>

>> *I will*

>> *freely bring up and discuss the analemmatic images you use to support*

>> *the false contention that constant axial rotation through 360 degrees*

>> *is 23 hours 56 min 04 sec by way of stellar circumpolar motion and*

>> *more importantly, you include axial tilt as a component in the Equation*

>> *of Time.*

>

> *Err, No I didn't. What I said was that*

> *"The vertical component of the analemma is a consequence of the axial tilt*

> *of the Earth, the lateral component (making it a figure of eight shape) is*

> *therepresentation of the Equation of Time (resulting from the elliptical*

> *orbit)."*

> *Clearly I separated the two components, either you misunderstood me or you*

> *misrepresent me. I'll be generous and assume the former.*

>

>> *You brought up the analemma and with only a single exception most of*

>> *the websites trade in the same falsehoods.*

>>

>> <http://www.longwoodgardens.org/Sundial/Analemma.html>

>>

>> *Of particular interest, in that the original use of the analemma only*

>> *referred to the length of shadow cast at noon as the Earth rotates to*

>> *face the Sun directly along its axial longitude coordinates, there is*

>> *no figure 8.*

>>

> *Well that's natural given the unequal length of the d*