

## For continuation

---

*Source:* <http://sci.tech-archive.net/Archive/sci.astro.amateur/2006-07/msg00763.html>

---

- *From:* "oriel36" <[geraldkelleher@xxxxxxxxx](mailto:geraldkelleher@xxxxxxxxx)>
  - *Date:* 12 Jul 2006 05:12:25 -0700
- 

The original astronomical reasoning that generates the 24 hour day was based on the return of the Sun to noon and a correction applied to equalise the natural variation in the Total length of the day, not to be confused with hemispherical changes in daylight-darkness asymmetry.

When Copernicus recognised that the Earth had an independent axial rotation the antecedent Equation of Time correction was adapted to axial rotation at 15 degrees per hour.

This gorgeous transfer of principles from the pre-Copernican use of the 24 hour day to its heliocentric adaption requires no reference to the stellar background and is one of the greatest Western adaptations of older principles.

I would love to this presented graphically for the first time but those of lesser intellectual and intuitive intelligence insist on a different justification using the Sun, the Earth and the stellar background based on a 1461 day cycle.

.