

Lunar Data Comparison 2

Tropical Month vs Synodic Month In a Sidereal Year

Data from 2002 Astronomical Almanac

Moon Revolutions (Tropical)	1	2	3	4	5	6	7	8	9	10	11	12	13	13.368785
Synodic New Moons	0.925	1.850	2.776	3.701	4.626	5.551	6.476	7.402	8.327	9.252	10.177	11.102	12.028	12.368746
Difference: Moon Revolutions	0.075	0.150	0.224	0.299	0.374	0.449	0.524	0.598	0.673	0.748	0.823	0.898	0.972	1.000039
Degrees of Earth Around Sun	26.928	53.857	80.785	107.714	134.642	161.570	188.499	215.427	242.356	269.284	296.212	323.141	350.069	360.001

Lunar Tropical Month = 27.321582 days
 Lunar Synodic Month = 29.530589 days
 Earth Sidereal Year = 365.256363 days

Synodic New Moons = (Moon Revolutions) * (27.321582 / 29.530589)
 Difference: Moon Revolutions = (Moon Revolutions) - (Synodic New Moons)
 Degrees of Earth Around Sun = (Moon Revolutions) * (27.321582 / 365.256363) * 360

Notes:

When the delta between the Moon's revolutions, and the Moon's phases (synodic cycle) reaches 1.00000 we know that the Earth has reached that point in space where it has completed one 360 degree motion around the Sun. When it reaches the point of 1.000039 we know that it has exceeded 360 degrees by approximately 50 arc seconds.

The above table shows that this delta 1.000039 is only reached in the period of time known as a sidereal year.

This finding is contrary to lunisolar precession theory, which requires the Earth to only complete a 360 degree motion around the Sun in a sidereal year.

The only way to reconcile the mathematical model above with the observation that the Earth only completes a 360-degree motion around the Sun (relative to the fixed stars) in a sidereal year, is if another reference frame is at work. In this case, the frame which contains the Earth and the Sun moves counterclockwise to the inertial frame of fixed space, giving the appearance that the Earth has only gone 360 degrees relative to the fixed stars, when in actuality the Earth has orbited 360 degrees plus 50 arc seconds, relative to the moving Sun.