Traditional Molad Period = 29 days 12 hours 793 parts = 29 days 12 hours 44 minutes 1 part = 29.53059414 days.

Mean Synodic Month (Reingold & Dershowitz) = 29.53058885 days.

[one part = 3 1/3 seconds]

Apparent Mean Synodic Month at present = 29.53058752 solar days = 0.57 seconds shorter than Molad.

Apparent Mean Synodic Month is getting shorter at the average rate of 0.33 mean solar seconds per 1000 years.

Astronomical Mean Synodic Month (Meeus) = 29 days 12 hours 44 minutes = 29.53055556 days (1 part shorter than Molad).

Revised by Dr. Irv Bromberg, University of Toronto, 26 September 2004 <http://individual.utoronto.ca/kalendis/>.