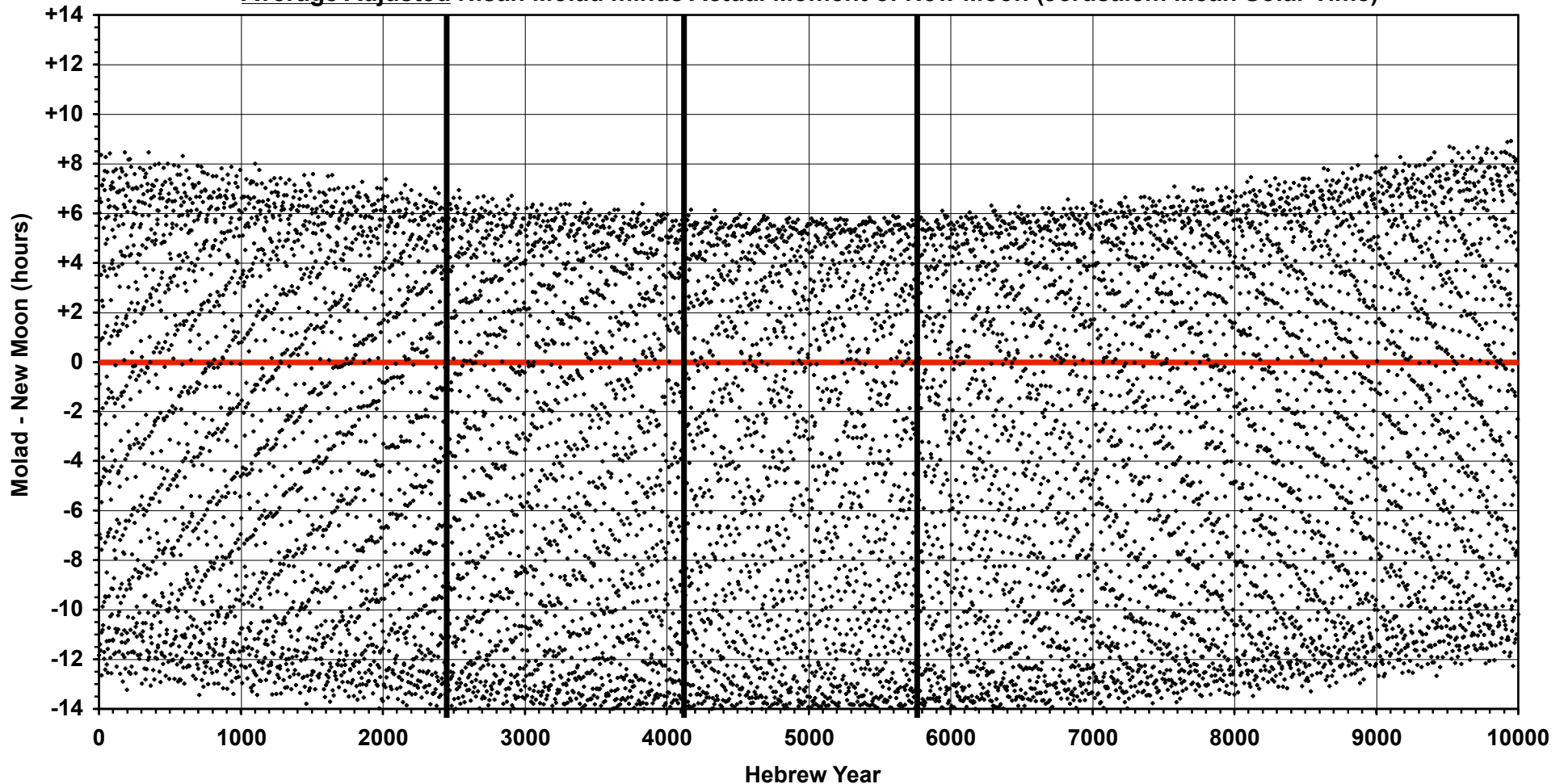


### Average Adjusted Nisan Molad minus Actual Moment of New Moon (Jerusalem Mean Solar Time)



Dots above the thick horizontal line at Zero indicate years in which the Molad was/will be after the actual new moon.  
Dots below the thick horizontal line at Zero indicate years in which the Molad was/will be before the actual new moon.

Historical Markers (thick vertical lines), by Hebrew Year:                    2448 = Traditional date of Revelation at Mount Sinai.  
4119 = Hillel II fixed the arithmetic Hebrew calendar, using accurate Molad to predict Mean Lunar Conjunctions.  
5765 = The present, mean lunation about 0.6 seconds less than original Molad interval, and getting shorter.

Revised by Dr. Irv Bromberg, University of Toronto, 29 Tishrei, 5765 <<http://individual.utoronto.ca/kalendis/>>.  
Calendar and astronomy calculations as per "Calendrical Calculations: The Millennium Edition", by Edward Reingold & Nachum Dershowitz, 2001.  
Astronomical calculations upgraded per "Astronomical Algorithms", by Jean Meeus, 2nd edition, 1998.