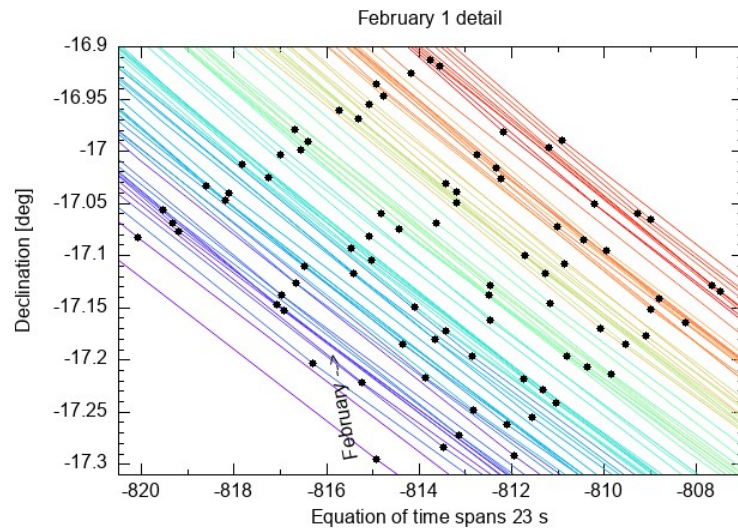


Over my lifetime the equation of time shifts about 30 s as perihelion moves along the ecliptic.



Tracking mean solar time to within 30 s is good enough for a personal tabulation of the equation of time.