

	March 21 st Vernal Equinox	June 21 st Summer Solstice	Sept. 23 rd Autumnal Equinox	Dec. 21 st Winter Solstice
Distance from sun		Farthest		Closest
Sun overhead at noon	Equator	23.5E N (cancer)	Equator	23.5E(capricorn)
Noon Sun Alt. in NYS	48E	73E	48E	23.5E
Earth-Sun gravity		Weakest		Strongest
Orbital Velocity		Slowest		Fastest
Duration of Insolation	Equal day/night	Maximum	Equal day/night	Minimum
Intensity of Insolation		Maximum		Minimum
Sunrise direction	Due East	North of East	Due East	South of East
Sunset direction	Due West	North of West	Due West	South of West
Kinetic Energy (orbit)		Minimum		Maximum
Potential Energy (orbit)		Maximum		Minimum
Sun's Apparent Diam.		Smallest		Largest