

Bounded Oscillation Over 28,977 Years (Ephemeris Validation)

Day 1 Deviation from Vernal Equinox (degrees)

JPL DE441 Ephemeris Validation
Amplitude: 7.64° peak-to-peak
Coverage: $\pm 3^\circ$ (92.8%), $\pm 1^\circ$ (55.4%)

Swiss Ephemeris DE441
 $\pm 3^\circ$ bounds
 $\pm 1^\circ$ bounds
Vernal equinox (0°)

