LANSY Symmetry454 Date at the Astronomical North Solstice
Linear Approximation of the North Solstitial Year, 174th day = Jun 20th, Offset +0.4 days
Mean Year <10500 AD = 365 + 94/389 = 365 + 5:47:58, >18000 AD = 365 + 5:46:20 (–5/4 seconds per century)

Astronomical north solstice moments will be uniformly distributed between the two blue curves (thin = leap day, thick = leap week), the average is indicated by the single green curve.