# Jitter of 1803-Year (100-*saros*) Lunisolar Cycle #4, Relative to Cycle Mean Year

**Every 19<sup>th</sup> year connected.** It is a leap year if the <u>remainder</u> of (664 x *TheYear* + 1314) / 1803 is less than 664.



Legend:
- —+— **Jitter vs. Mean Year**
- ——— **Jitter range = 29.700071 = 29+1262/1803 days**

Text box on chart:
Excluded from this jitter analysis:
- astronomical jitter
- jitter due to "abundant", "normal", and "deficient" year lengths
- jitter due to *Rosh Hashanah* postponements
Upward diagonal lines show 5 places where an *octaeteris* was automatically omitted (about every 360 years).

Y-axis: Jitter (days), range from −5 to +35

X-axis: Hebrew Year (major tick marks every 360 years, cycle mean year = 365+$^{437}/_{1803}$ days = 365d 5h 49m 1+$^{59}/_{601}$s)

X-axis values: 5410, 5770, 6130, 6490, 6850, 7210