500-Year Gregorian-Like Leap Cycle Jitter

Leap if year is divisible by 4, except century years leap only if year is divisible by 500

Like Leap Cycle Jitter

Jitter vs. Mean Year

Jitter range = 2.294 = 2 + 147/500 days

Year (very short mean year of 365 + 121/500 days = 365.2424 days is suitable for present era mean southward equinoctial year)