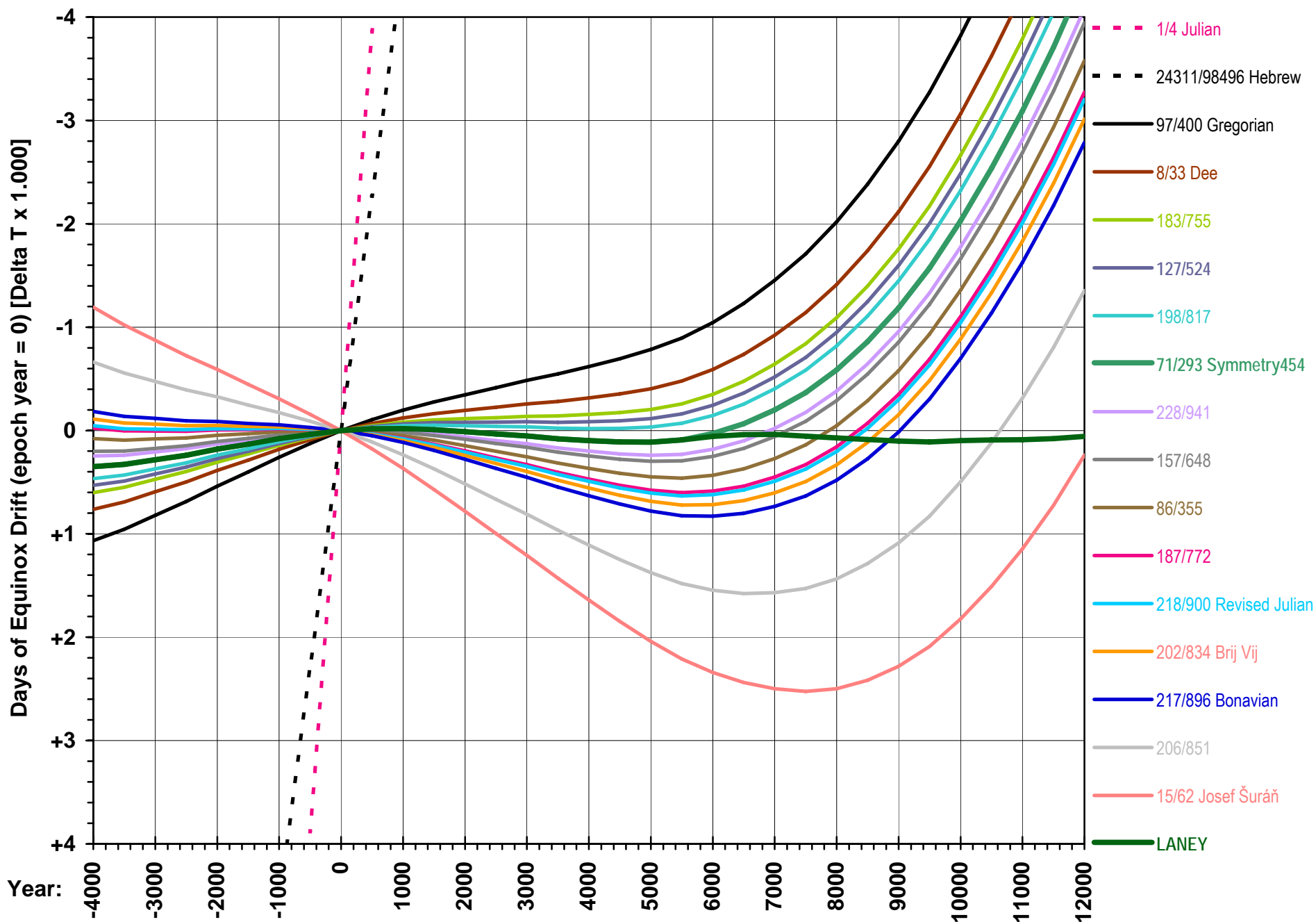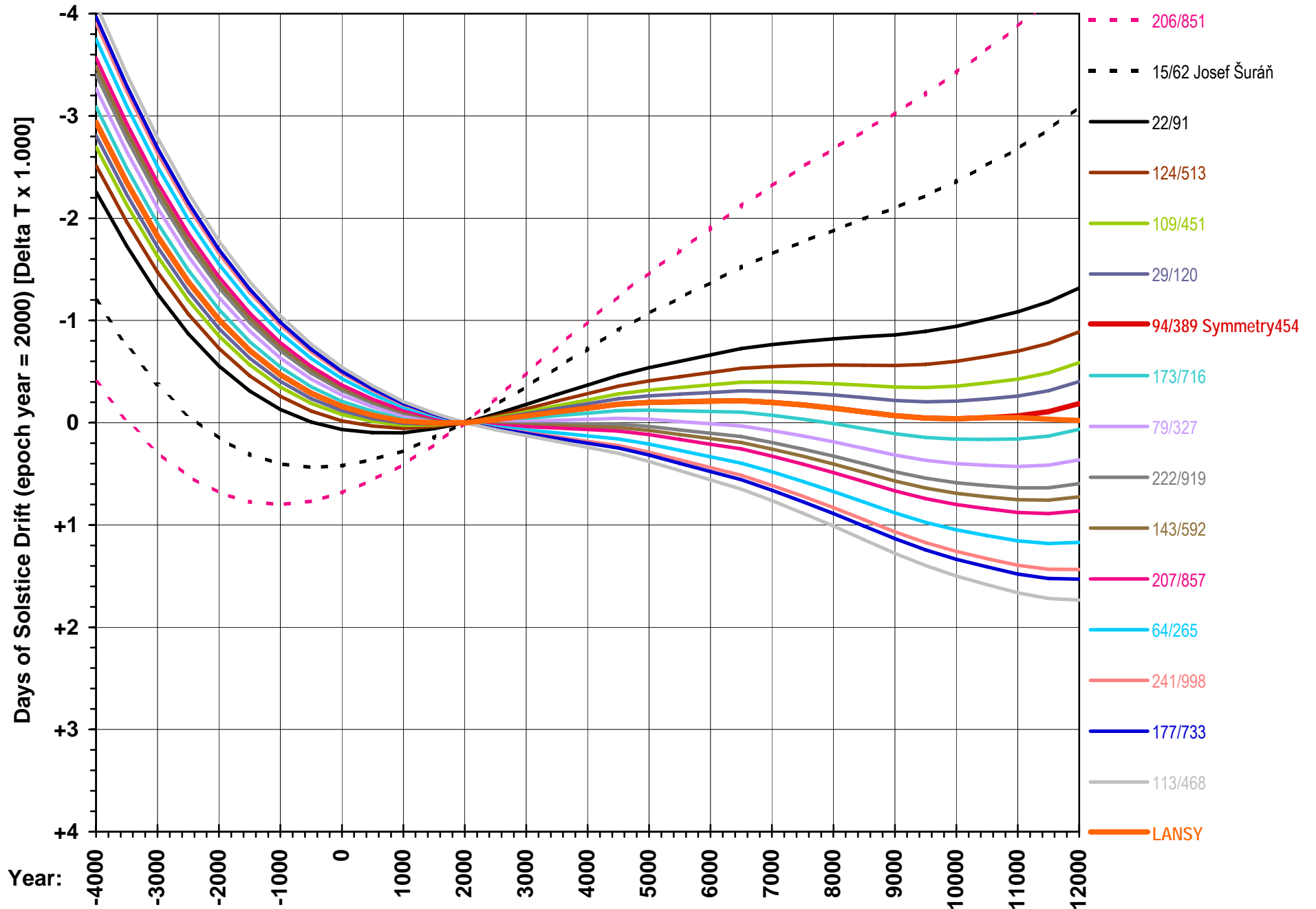# Leap Cycle Drift Relative to the Northward Equinox

Equinox moments based on numerical integration by SOLEX 9.1 with Delta T from NASA Eclipses web site Jan 2007 Espenak-Meeus

Legend:
- 1/4 Julian
- 24311/98496 Hebrew
- 97/400 Gregorian
- 8/33 Dee
- 183/755
- 127/524
- 198/817
- 71/293 Symmetry454
- 228/941
- 157/648
- 86/355
- 187/772
- 218/900 Revised Julian
- 202/834 Brij Vij
- 217/896 Bonavian
- 206/851
- 15/62 Josef Šuráň
- LANEY

Y-axis: Days of Equinox Drift (epoch year = 0) [Delta T x 1.000]

X-axis: Year

Analysis by Dr. Irv Bromberg   University of Toronto, Canada   http://www.sym454.org/leap/
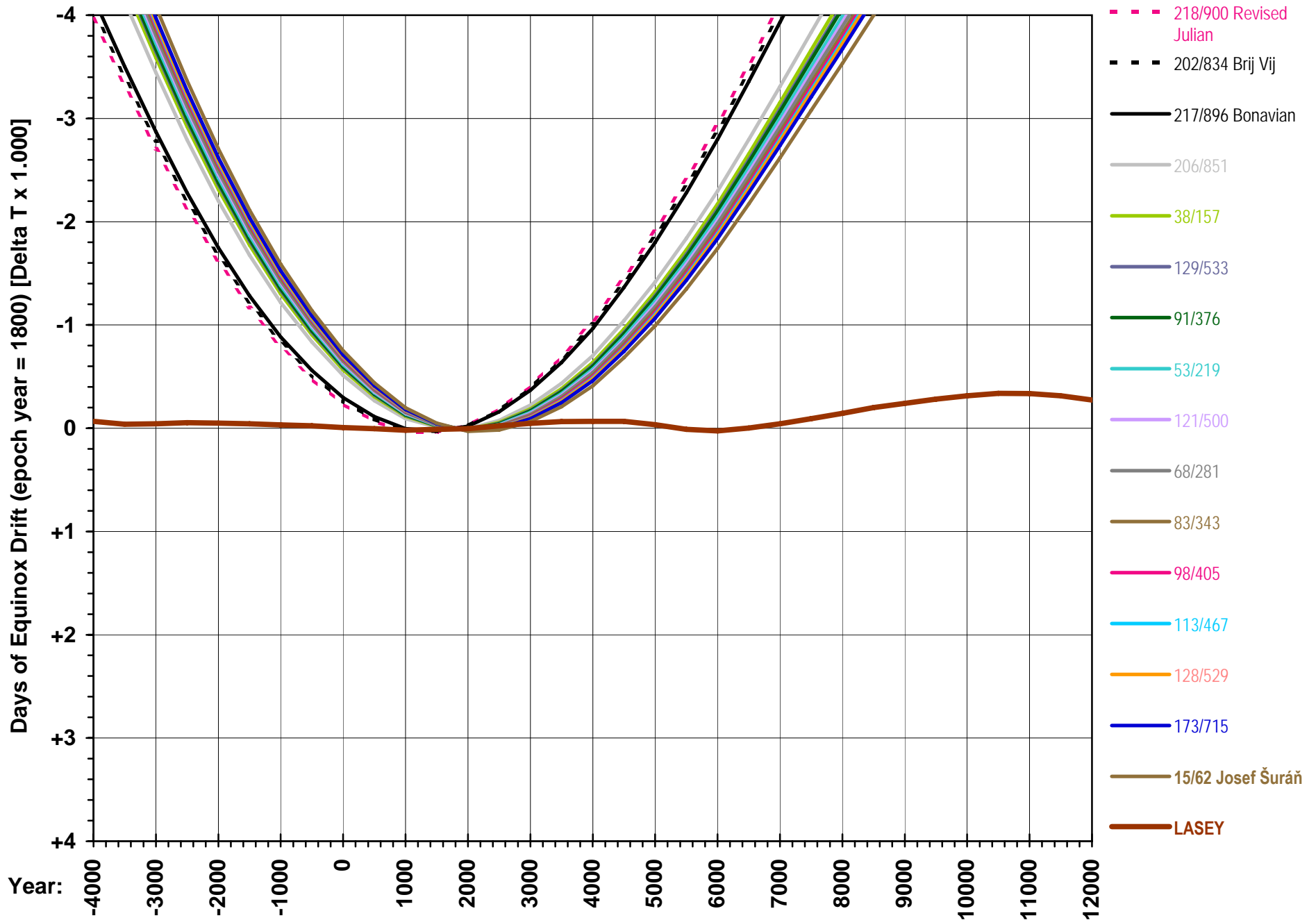
Leap Cycle Drift Relative to the North Solstice

Solstice moments based on numerical integration by SOLEX 9.1 with Delta T from NASA Eclipses web site Jan 2007 Espenak-Meeus

Y-axis: Days of Solstice Drift (epoch year = 2000) [Delta T x 1.000]
Values: -4, -3, -2, -1, 0, +1, +2, +3, +4

X-axis — Year: -4000, -3000, -2000, -1000, 0, 1000, 2000, 3000, 4000, 5000, 6000, 7000, 8000, 9000, 10000, 11000, 12000

Legend:
- 206/851
- 15/62 Josef Šuráň
- 22/91
- 124/513
- 109/451
- 29/120
- 94/389 Symmetry454
- 173/716
- 79/327
- 222/919
- 143/592
- 207/857
- 64/265
- 241/998
- 177/733
- 113/468
- LANSY

Analysis by Dr. Irv Bromberg   University of Toronto, Canada   http://www.sym454.org/leap/

Leap Cycle Drift Relative to the Southward Equinox

Equinox moments based on numerical integration by SOLEX 9.1 with Delta T from NASA Eclipses web site Jan 2007 Espenak-Meeus

Days of Equinox Drift (epoch year = 1800) [Delta T x 1.000]

Year:

Legend:
- 218/900 Revised Julian
- 202/834 Brij Vij
- 217/896 Bonavian
- 206/851
- 38/157
- 129/533
- 91/376
- 53/219
- 121/500
- 68/281
- 83/343
- 98/405
- 113/467
- 128/529
- 173/715
- 15/62 Josef Šuráň
- LASEY

Analysis by Dr. Irv Bromberg   University of Toronto, Canada   http://www.sym454.org/leap/

Leap Cycle Drift Relative to the South Solstice

Solstice moments based on numerical integration by SOLEX 9.1 with Delta T from NASA Eclipses web site Jan 2007 Espenak-Meeus

Legend (right side, top to bottom):
- 67/276
- 242/997
- 25/103
- 108/445
- 149/614
- 190/783
- 33/136
- 41/169
- 138/569
- 97/400 Gregorian
- 8/33 Dee
- 157/648
- 86/355
- 187/772
- 218/900
- 202/834
- LASSY

Y-axis: **Days of Solstice Drift (epoch year = 1000) [Delta T x 1.000]**

X-axis: **Year:** -4000, -3000, -2000, -1000, 0, 1000, 2000, 3000, 4000, 5000, 6000, 7000, 8000, 9000, 10000, 11000, 12000

Analysis by Dr. Irv Bromberg   University of Toronto, Canada   http://www.sym454.org/leap/