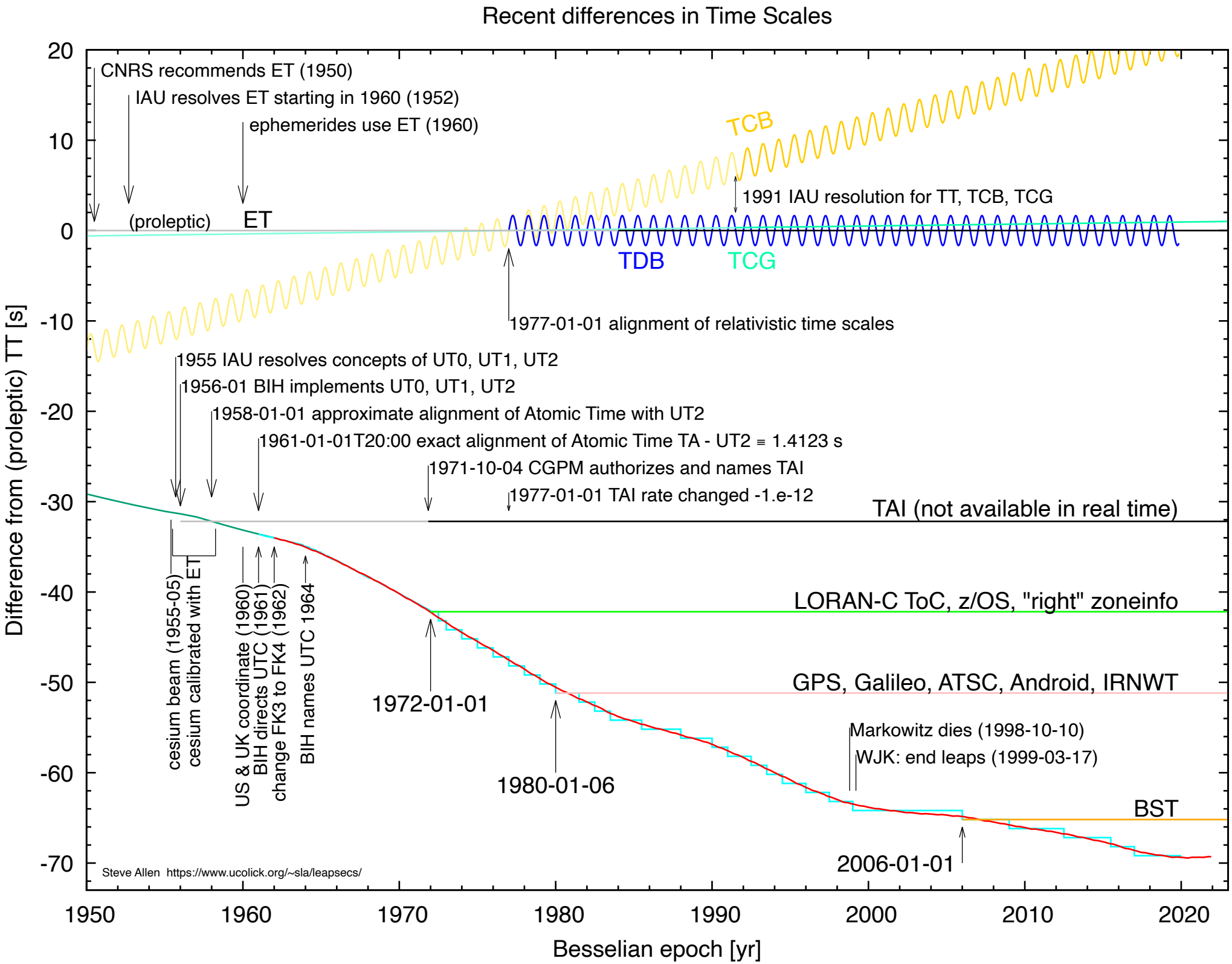
Recent differences in Time Scales
CNRS recommends ET (1950)
IAU resolves ET starting in 1960 (1952)
ephemerides use ET (1960)
(proleptic)
ET
TCB
1991 IAU resolution for TT, TCB, TCG
TDB
TCG
1977-01-01 alignment of relativistic time scales
1955 IAU resolves concepts of UT0, UT1, UT2
1956-01 BIH implements UT0, UT1, UT2
1958-01-01 approximate alignment of Atomic Time with UT2
1961-01-01T20:00 exact alignment of Atomic Time TA - UT2 ≡ 1.4123 s
1971-10-04 CGPM authorizes and names TAI
1977-01-01 TAI rate changed -1.e-12
TAI (not available in real time)
cesium beam (1955-05)
cesium calibrated with ET
US & UK coordinate (1960)
BIH directs UTC (1961)
change FK3 to FK4 (1962)
BIH names UTC 1964
LORAN-C ToC, z/OS, "right" zoneinfo
GPS, Galileo, ATSC, Android, IRNWT
1972-01-01
1980-01-06
Markowitz dies (1998-10-10)
WJK: end leaps (1999-03-17)
BST
2006-01-01
Steve Allen https://www.ucolick.org/~sla/leapsecs/
Difference from (proleptic) TT [s]
20
10
0
-10
-20
-30
-40
-50
-60
-70
1950
1960
1970
1980
1990
2000
2010
2020
Besselian epoch [yr]