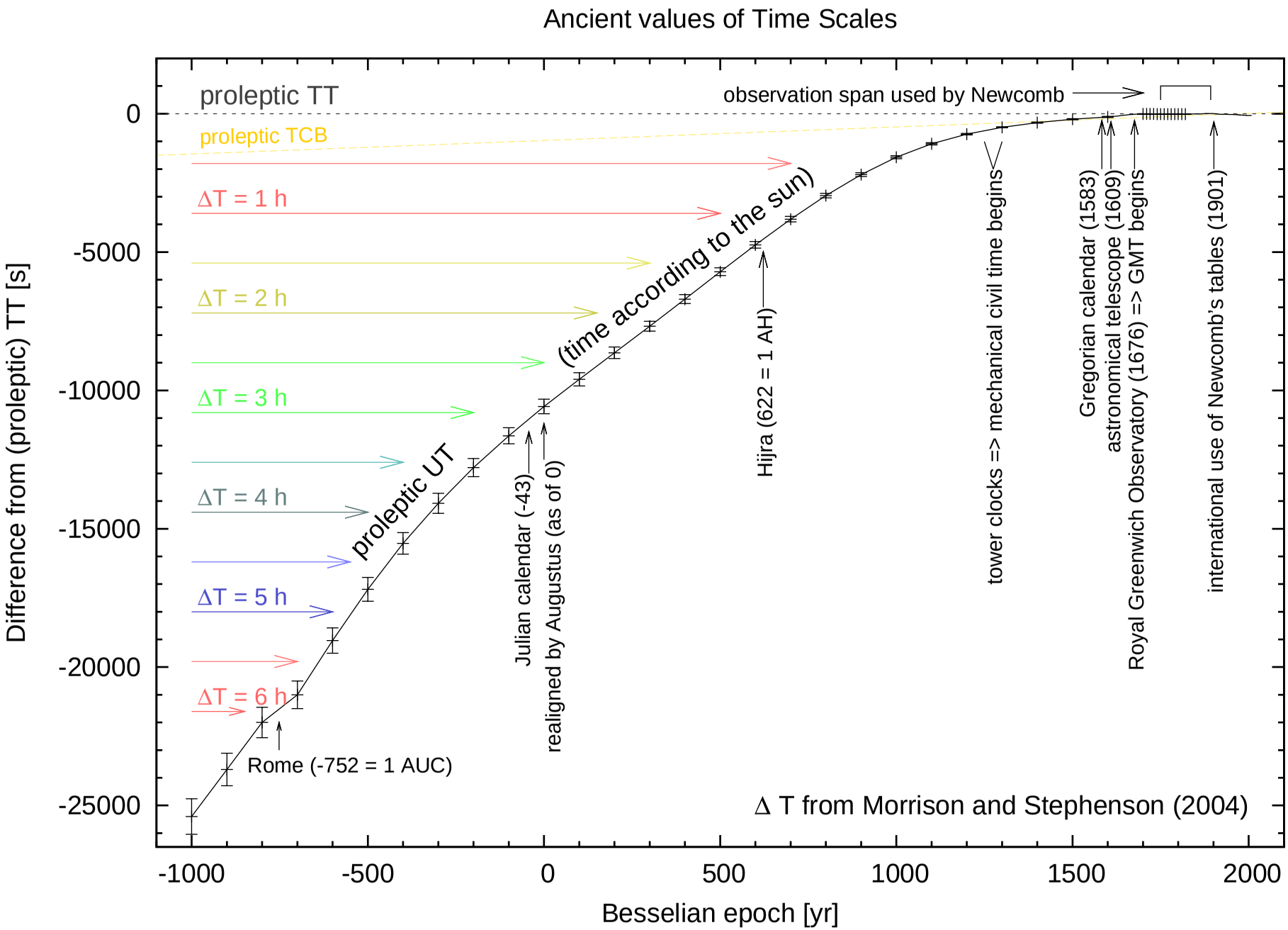
Ancient values of Time Scales
proleptic TT
proleptic TCB
observation span used by Newcomb
ΔT = 1 h
ΔT = 2 h
ΔT = 3 h
ΔT = 4 h
ΔT = 5 h
ΔT = 6 h
(time according to the sun)
proleptic UT
Julian calendar (-43)
realigned by Augustus (as of 0)
Hijra (622 = 1 AH)
tower clocks => mechanical civil time begins
Gregorian calendar (1583)
astronomical telescope (1609)
Royal Greenwich Observatory (1676) => GMT begins
international use of Newcomb's tables (1901)
Rome (-752 = 1 AUC)
Δ T from Morrison and Stephenson (2004)
Difference from (proleptic) TT [s]
0
-5000
-10000
-15000
-20000
-25000
-1000
-500
0
500
1000
1500
2000
Besselian epoch [yr]