

Total Lunar Eclipse of 1921 Apr 22

Ecliptic Conjunction = 07:49:20.5 TD (= 07:48:58.3 UT)

Greatest Eclipse = 07:44:39.0 TD (= 07:44:16.9 UT)

Penumbral Magnitude = 2.0816

P. Radius = 1.2369°

Gamma = 0.4269

Umbral Magnitude = 1.0678

U. Radius = 0.7067°

Axis = 0.4097°

Saros Series = 130

Member = 29 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 01h57m53.3s

Dec. = +12°02'44.0"

S.D. = 00°15'54.4"

H.P. = 00°00'08.7"

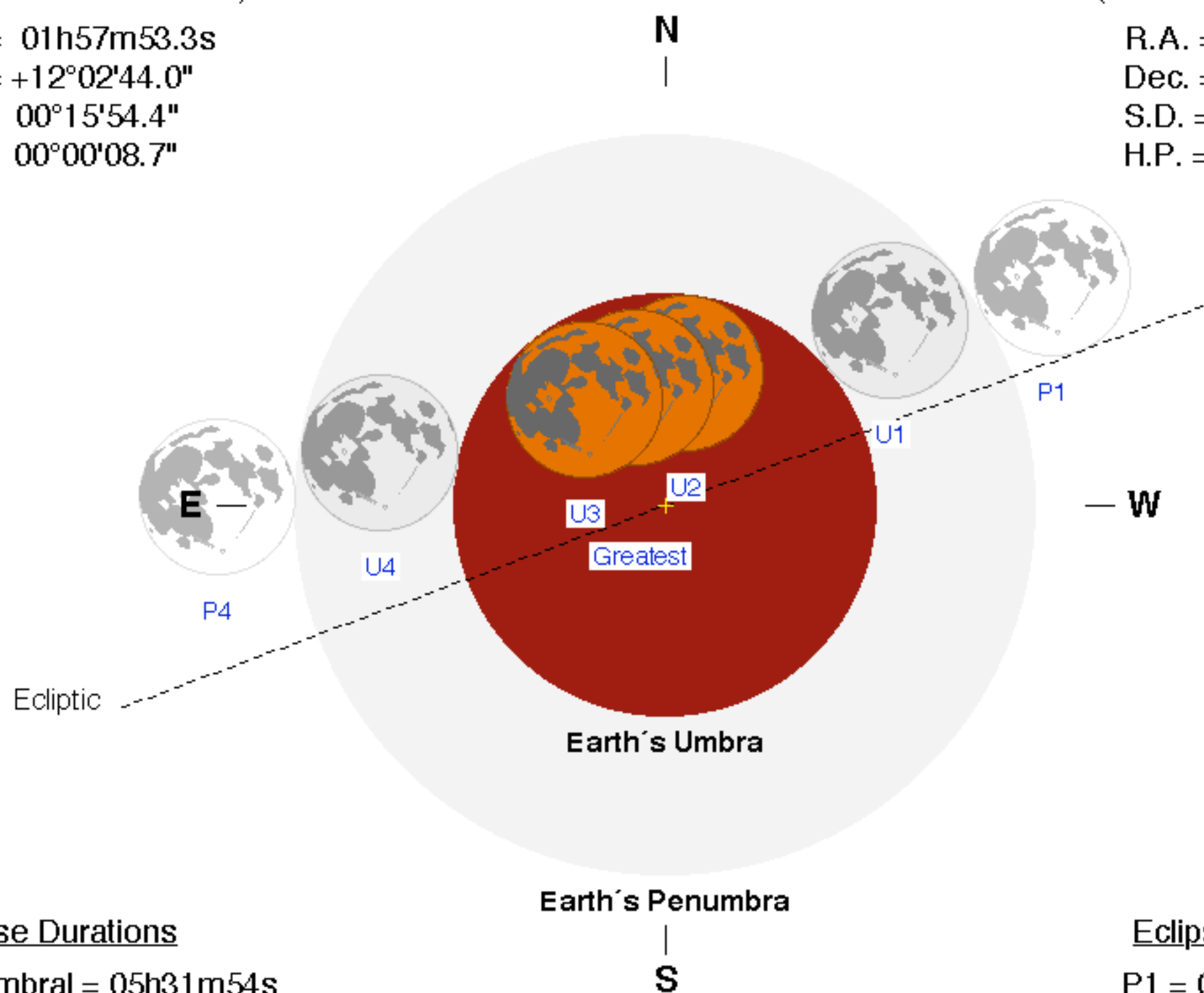
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 13h58m18.6s

Dec. = -11°38'56.5"

S.D. = 00°15'41.5"

H.P. = 00°57'35.3"



Eclipse Durations

Penumbral = 05h31m54s

Umbral = 03h22m02s

Total = 00h40m07s

$\Delta T = 22$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 04:58:21 UT

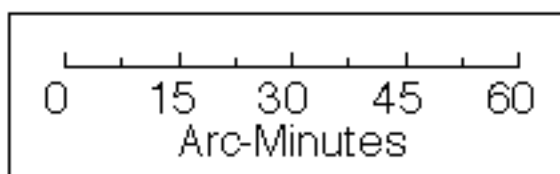
U1 = 06:03:14 UT

U2 = 07:24:12 UT

U3 = 08:04:19 UT

U4 = 09:25:16 UT

P4 = 10:30:16 UT



F. Espenak, NASA's GSFC
eclipse.gsfc.nasa.gov/eclipse.html

