

Total Lunar Eclipse of 1349 Jul 01

Ecliptic Conjunction = 00:09:40.5 TD (= 00:03:04.8 UT)

Greatest Eclipse = 00:09:20.1 TD (= 00:02:44.4 UT)

Penumbral Magnitude = 2.7719

P. Radius = 1.2886°

Gamma = -0.0330

Umbral Magnitude = 1.8225

U. Radius = 0.7641°

Axis = 0.0335°

Saros Series = 109 Member = 36 of 73

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 07h11m19.1s

Dec. = +22°30'29.4"

S.D. = 00°15'44.2"

H.P. = 00°00'08.7"

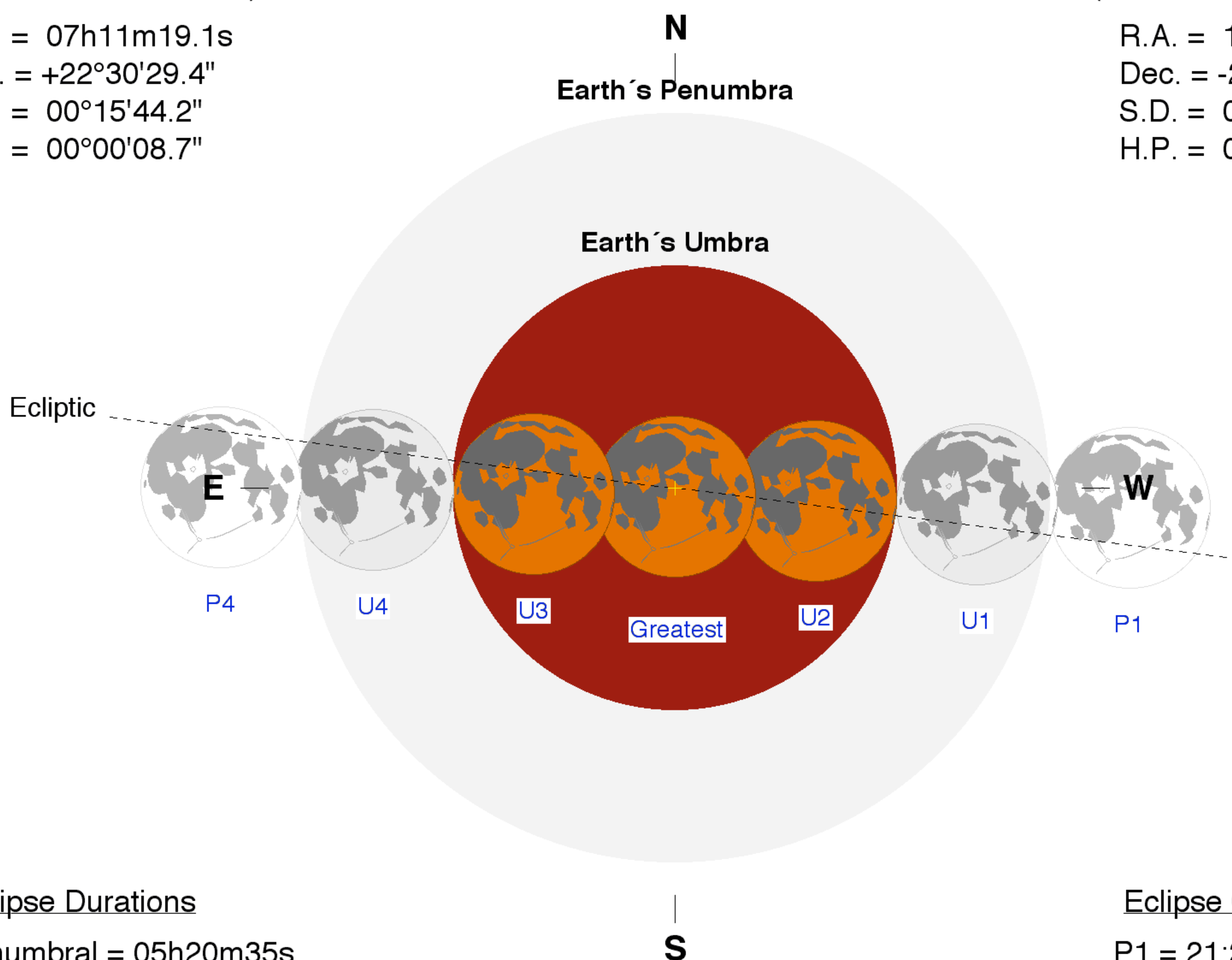
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 19h11m19.3s

Dec. = -22°32'29.8"

S.D. = 00°16'34.5"

H.P. = 01°00'49.8"



Eclipse Durations

Penumbral = 05h20m35s

Umbral = 03h33m05s

Total = 01h39m45s

$\Delta T = 396$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 21:22:28 UT

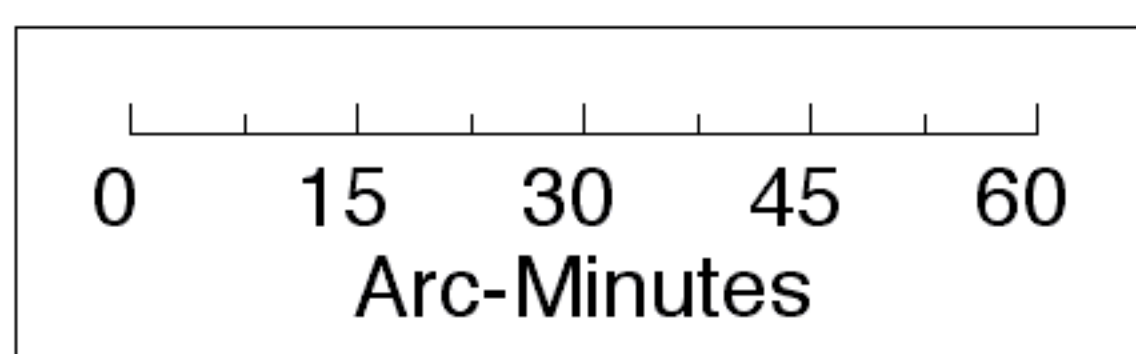
U1 = 22:16:11 UT

U2 = 23:12:52 UT

U3 = 00:52:37 UT

U4 = 01:49:17 UT

P4 = 02:43:03 UT



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

