

Total Lunar Eclipse of 2000 Jul 16

Ecliptic Conjunction = 13:56:17.0 TD (= 13:55:13.0 UT)

Greatest Eclipse = 13:56:38.8 TD (= 13:55:34.8 UT)

Penumbral Magnitude = 2.8375

P. Radius = 1.1740°

Gamma = 0.0302

Umbral Magnitude = 1.7684

U. Radius = 0.6495°

Axis = 0.0271°

Saros Series = 129

Member = 37 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 07h44m54.7s

Dec. = +21°15'02.4"

S.D. = 00°15'44.2"

H.P. = 00°00'08.7"

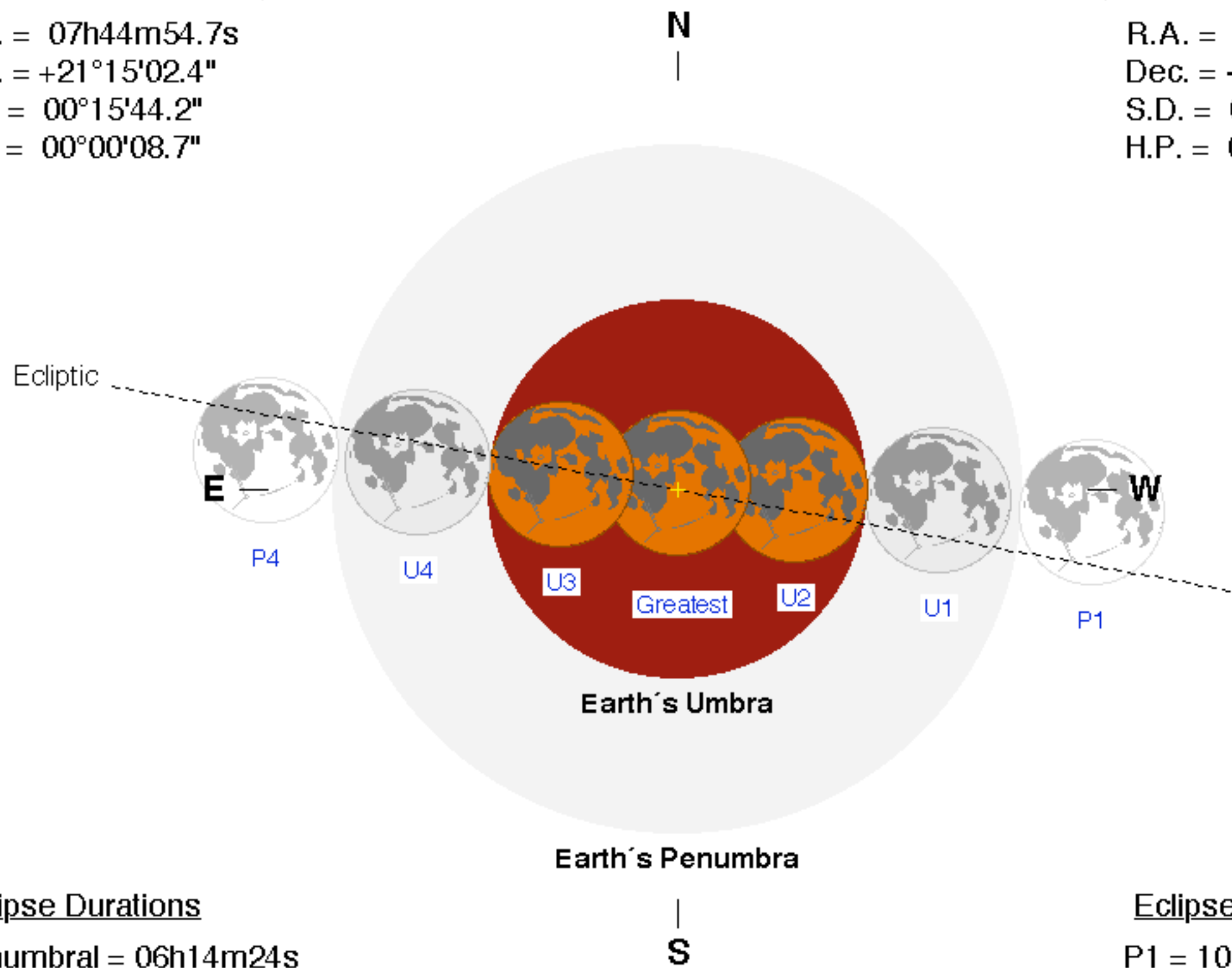
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 19h44m54.2s

Dec. = -21°13'24.9"

S.D. = 00°14'43.2"

H.P. = 00°54'01.2"



Eclipse Durations

Penumbral = 06h14m24s

Umbral = 03h56m00s

Total = 01h46m24s

$\Delta T = 64$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 10:48:22 UT

U1 = 11:57:35 UT

U2 = 13:02:23 UT

U3 = 14:48:47 UT

U4 = 15:53:35 UT

P4 = 17:02:46 UT

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

