

Partial Lunar Eclipse of 2084 Jul 17

Ecliptic Conjunction = 17:04:13.9 TD (= 17:01:27.0 UT)

Greatest Eclipse = 16:58:51.0 TD (= 16:56:04.1 UT)

Penumbral Magnitude = 1.8540

P. Radius = 1.2967°

Gamma = 0.5312

Umbral Magnitude = 0.9119

U. Radius = 0.7721°

Axis = 0.5428°

Saros Series = 140

Member = 29 of 80

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 07h52m19.0s

Dec. = +20°55'24.9"

S.D. = 00°15'44.3"

H.P. = 00°00'08.7"

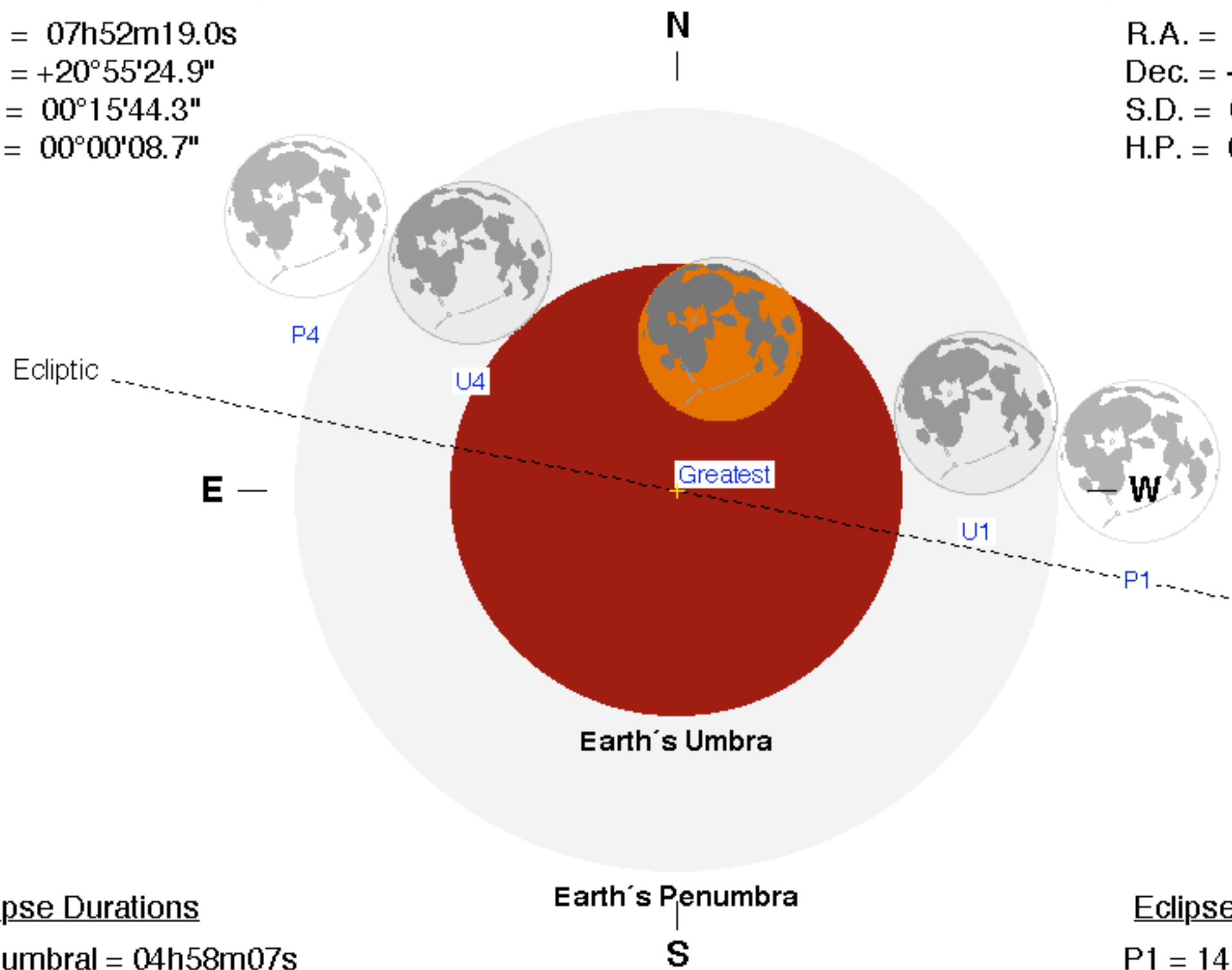
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 19h51m39.7s

Dec. = -20°24'10.1"

S.D. = 00°16'42.3"

H.P. = 01°01'18.4"



Eclipse Durations

Penumbral = 04h58m07s

Umbral = 03h01m22s

Eclipse Contacts

P1 = 14:27:01 UT

U1 = 15:25:23 UT

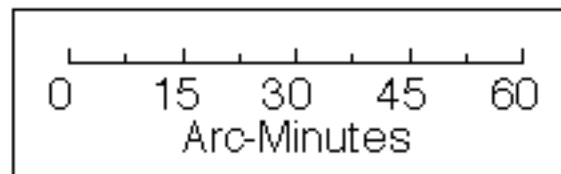
U4 = 18:26:45 UT

P4 = 19:25:09 UT

$\Delta T = 167$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85



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

