

Partial Lunar Eclipse of 1863 Nov 25

Ecliptic Conjunction = 09:01:39.5 TD (= 09:01:32.7 UT)

Greatest Eclipse = 08:56:11.4 TD (= 08:56:04.5 UT)

Penumbral Magnitude = 2.0170

P. Radius = 1.2134°

Gamma = -0.4760

Umbral Magnitude = 0.9525

U. Radius = 0.6730°

Axis = 0.4434°

Saros Series = 133 Member = 18 of 71

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 16h02m17.7s

Dec. = -20°42'07.3"

S.D. = 00°16'12.6"

H.P. = 00°00'08.9"

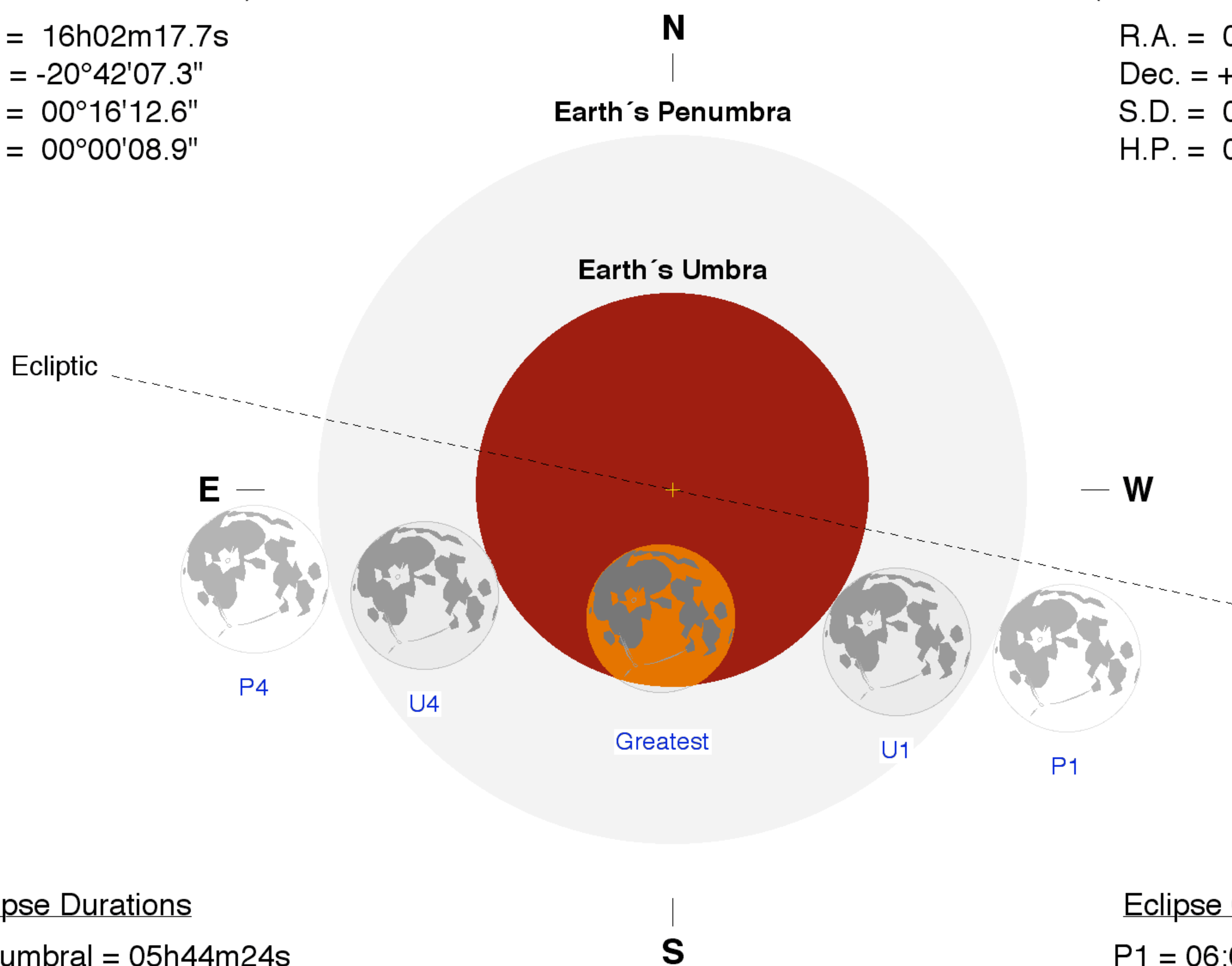
Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 04h02m28.6s

Dec. = +20°15'38.7"

S.D. = 00°15'13.6"

H.P. = 00°55'53.1"



Eclipse Durations

Penumbral = 05h44m24s

Umbral = 03h20m27s

Eclipse Contacts

P1 = 06:03:55 UT

U1 = 07:15:49 UT

U4 = 10:36:16 UT

P4 = 11:48:18 UT

$\Delta T = 7$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

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

