

Total Lunar Eclipse of 2062 Sep 18

Ecliptic Conjunction = 18:38:18.9 TD (= 18:36:19.6 UT)

Greatest Eclipse = 18:34:02.2 TD (= 18:32:02.9 UT)

Penumbral Magnitude = 2.1959

P. Radius = 1.2075°

Gamma = 0.3735

Umbral Magnitude = 1.1496

U. Radius = 0.6769°

Axis = 0.3476°

Saros Series = 138

Member = 32 of 83

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 11h45m50.3s

Dec. = +01°31'59.2"

S.D. = 00°15'55.0"

H.P. = 00°00'08.8"

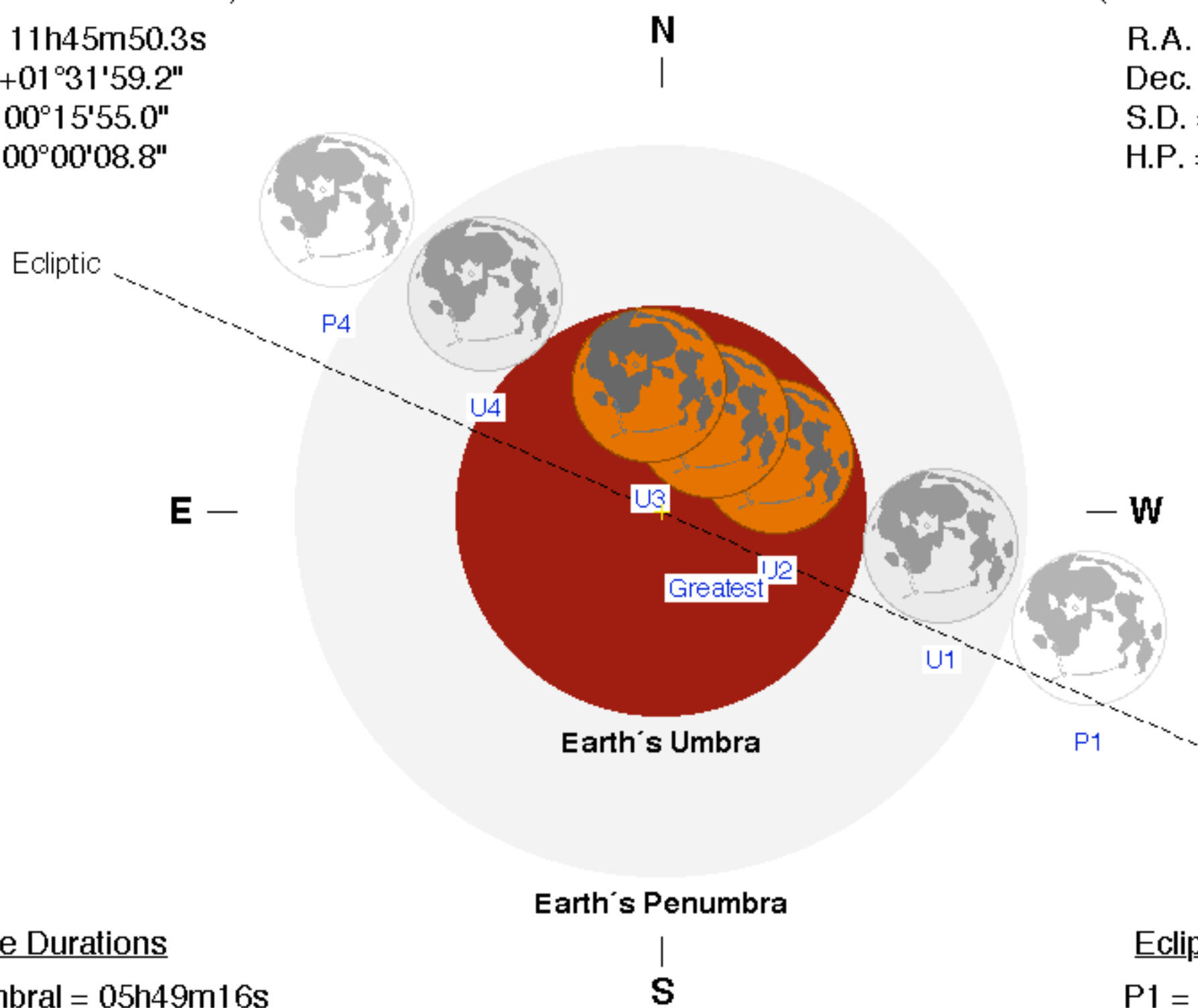
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 23h45m09.8s

Dec. = -01°13'45.8"

S.D. = 00°15'12.7"

H.P. = 00°55'49.7"



Eclipse Durations

Penumbral = 05h49m16s

Umbral = 03h32m27s

Total = 00h59m31s

$\Delta T = 119$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 15:37:23 UT

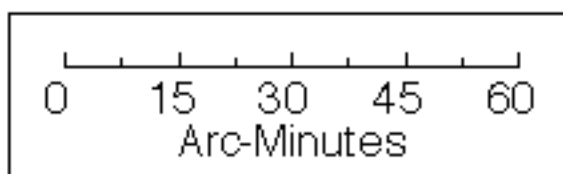
U1 = 16:45:51 UT

U2 = 18:02:19 UT

U3 = 19:01:50 UT

U4 = 20:18:18 UT

P4 = 21:26:39 UT



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

