

Partial Lunar Eclipse of 2055 Aug 07

Ecliptic Conjunction = 10:58:49.1 TD (= 10:57:04.7 UT)

Greatest Eclipse = 10:53:18.1 TD (= 10:51:33.8 UT)

Penumbral Magnitude = 2.0069

P. Radius = 1.1953°

Gamma = -0.4769

Umbral Magnitude = 0.9594

U. Radius = 0.6696°

Axis = 0.4391°

Saros Series = 139 Member = 24 of 81

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 09h09m39.9s

Dec. = +16°20'36.9"

S.D. = 00°15'46.2"

H.P. = 00°00'08.7"

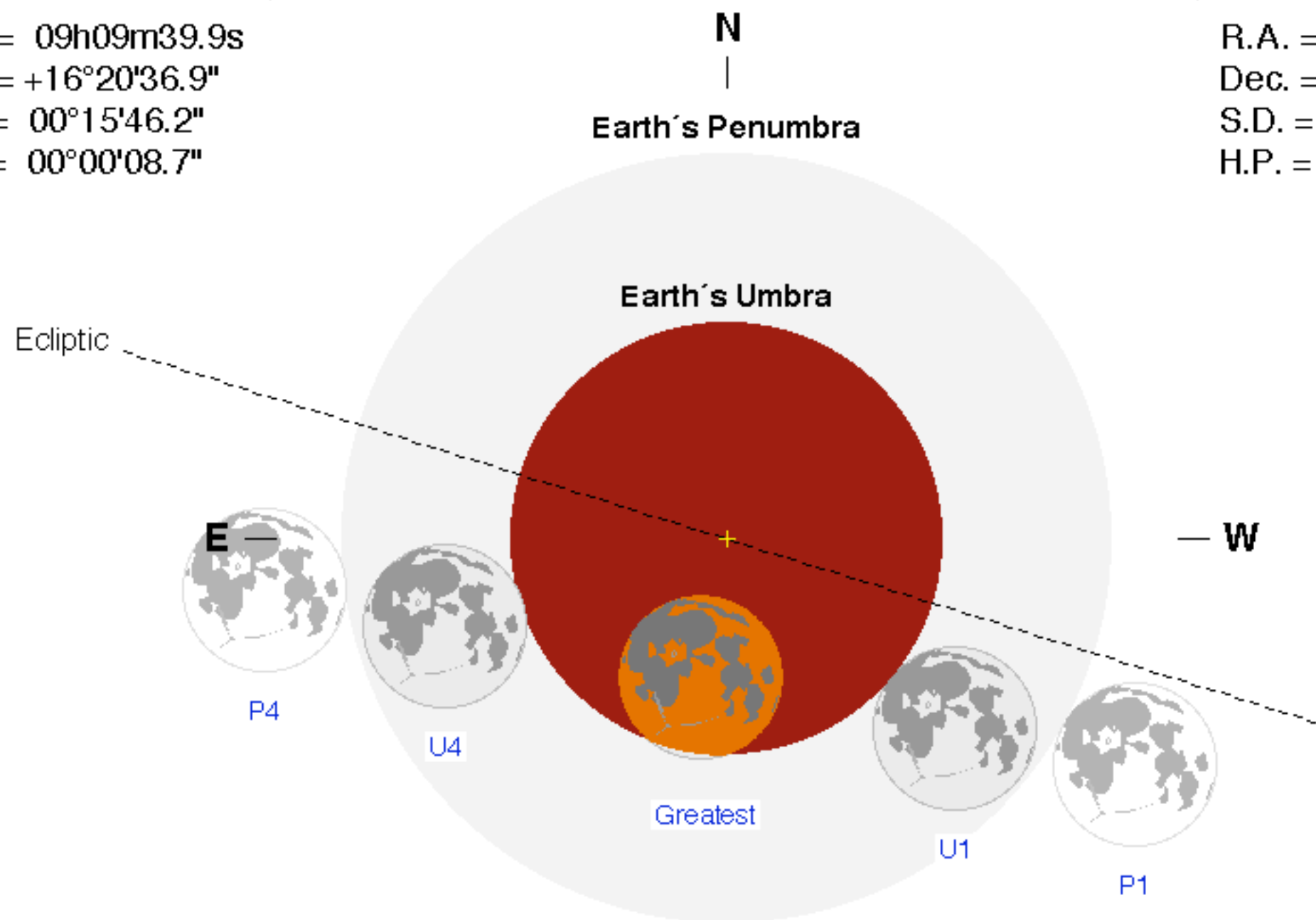
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 21h10m01.5s

Dec. = -16°46'26.9"

S.D. = 00°15'03.3"

H.P. = 00°55'15.1"



Eclipse Durations

Penumbral = 05h46m20s

Umbral = 03h23m23s

$\Delta T = 104$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

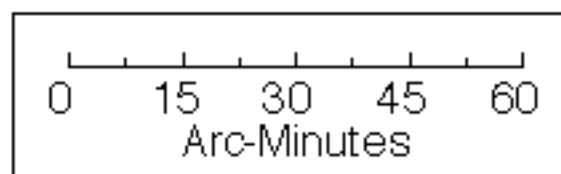
Eclipse Contacts

P1 = 07:58:25 UT

U1 = 09:09:50 UT

U4 = 12:33:13 UT

P4 = 13:44:45 UT



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

