

Total Lunar Eclipse of 1957 May 13

Ecliptic Conjunction = 22:34:46.7 TD (= 22:34:14.7 UT)

Greatest Eclipse = 22:31:27.8 TD (= 22:30:55.8 UT)

Penumbral Magnitude = 2.3001

P. Radius = 1.2420°

Gamma = 0.3045

Umbral Magnitude = 1.2982

U. Radius = 0.7145°

Axis = 0.2942°

Saros Series = 130

Member = 31 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 03h21m53.1s

Dec. = +18°29'35.8"

S.D. = 00°15'49.4"

H.P. = 00°00'08.7"

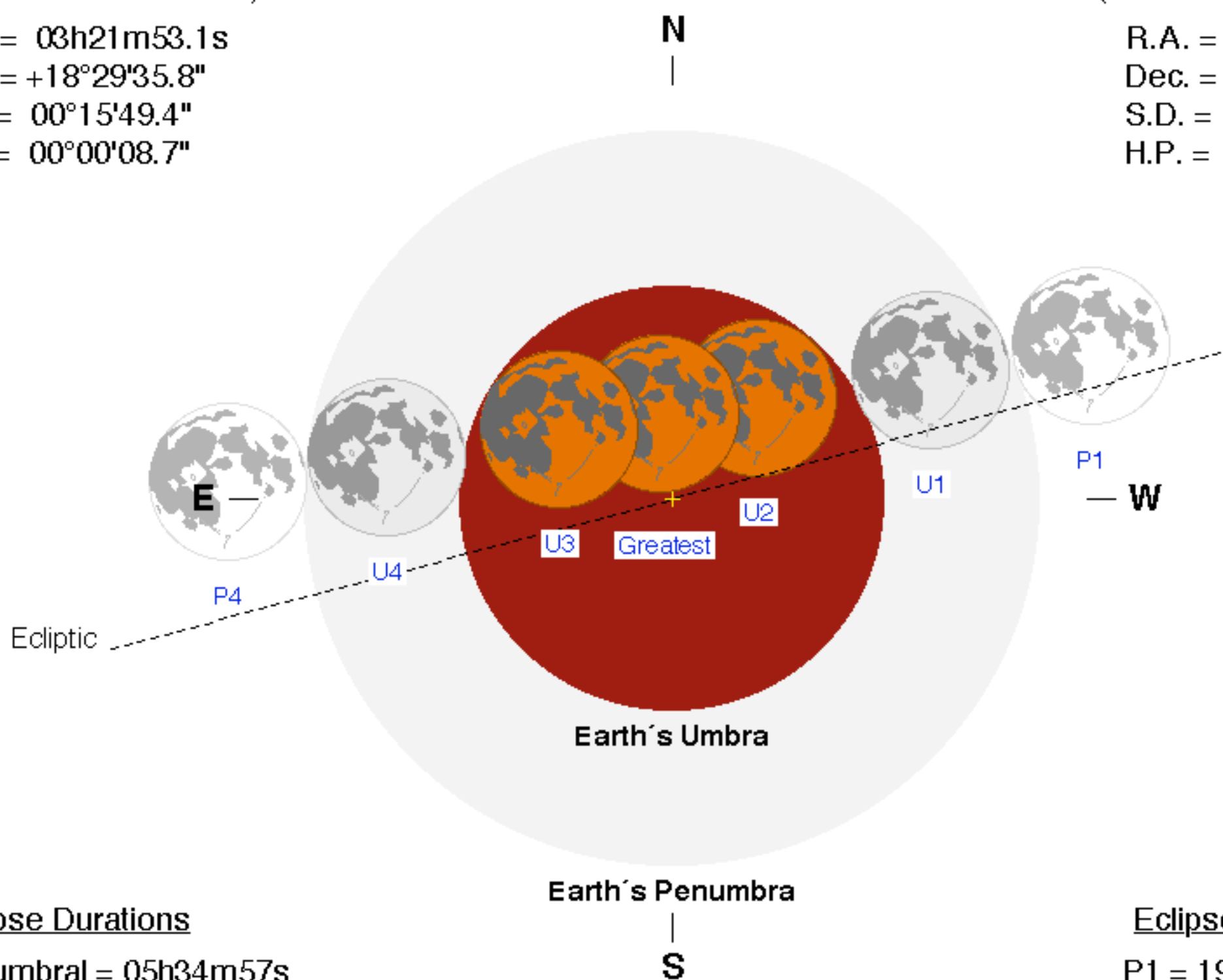
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 15h22m04.8s

Dec. = -18°12'09.6"

S.D. = 00°15'47.7"

H.P. = 00°57'58.1"



Eclipse Durations

Penumbral = 05h34m57s

Umbral = 03h31m36s

Total = 01h17m39s

$\Delta T = 32$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 19:43:30 UT

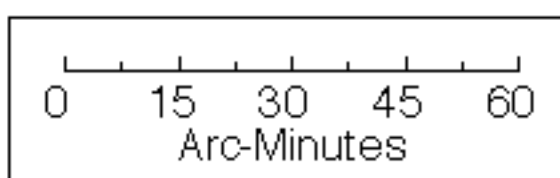
U1 = 20:45:06 UT

U2 = 21:52:05 UT

U3 = 23:09:44 UT

U4 = 00:16:42 UT

P4 = 01:18:27 UT



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eclipse.gsfc.nasa.gov/eclipse.html

