

Penumbral Lunar Eclipse of 1984 May 15

Ecliptic Conjunction = 04:29:29.5 TD (= 04:28:35.6 UT)

Greatest Eclipse = 04:41:02.5 TD (= 04:40:08.5 UT)

Penumbral Magnitude = 0.8071

P. Radius = 1.2603°

Gamma = 1.1130

Umbral Magnitude = -0.1760

U. Radius = 0.7330°

Axis = 1.0956°

Saros Series = 111

Member = 65 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 03h28m40.8s

Dec. = +18°54'19.8"

S.D. = 00°15'49.2"

H.P. = 00°00'08.7"

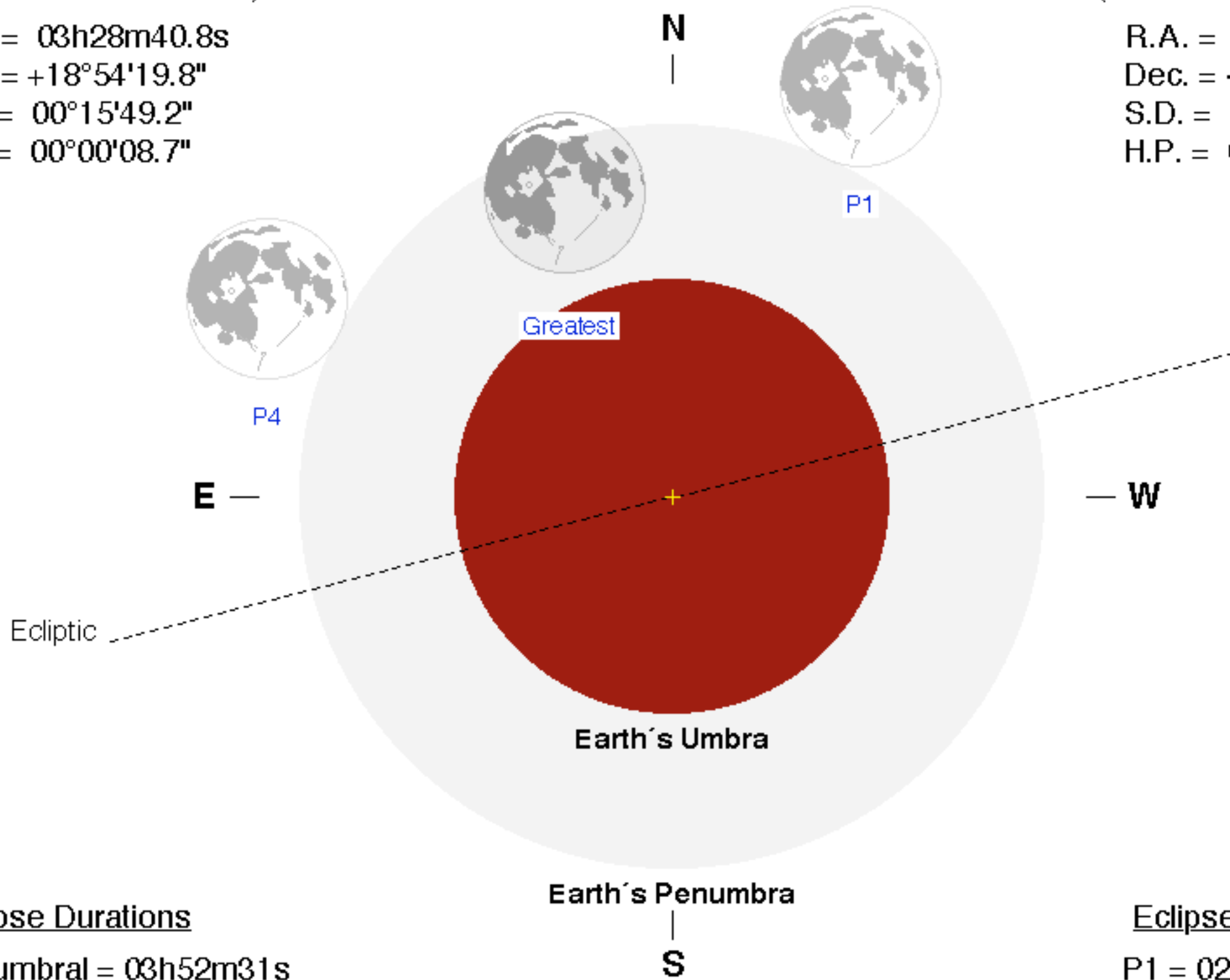
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 15h30m13.7s

Dec. = -17°52'23.7"

S.D. = 00°16'05.6"

H.P. = 00°59'03.7"



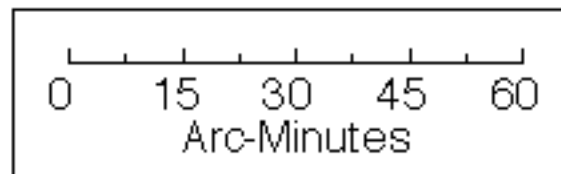
Eclipse Durations

Penumbral = 03h52m31s

Eclipse Contacts

P1 = 02:43:49 UT

P4 = 06:36:20 UT



$\Delta T = 54$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

