

Partial Lunar Eclipse of 2059 May 27

Ecliptic Conjunction = 08:05:29.0 TD (= 08:03:36.7 UT)

Greatest Eclipse = 07:55:34.6 TD (= 07:53:42.4 UT)

Penumbral Magnitude = 1.1946

P. Radius = 1.2297°

Gamma = -0.9097

Umbral Magnitude = 0.1829

U. Radius = 0.7034°

Axis = 0.8684°

Saros Series = 141

Member = 26 of 73

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 04h16m47.9s

Dec. = +21°18'58.7"

S.D. = 00°15'47.3"

H.P. = 00°00'08.7"

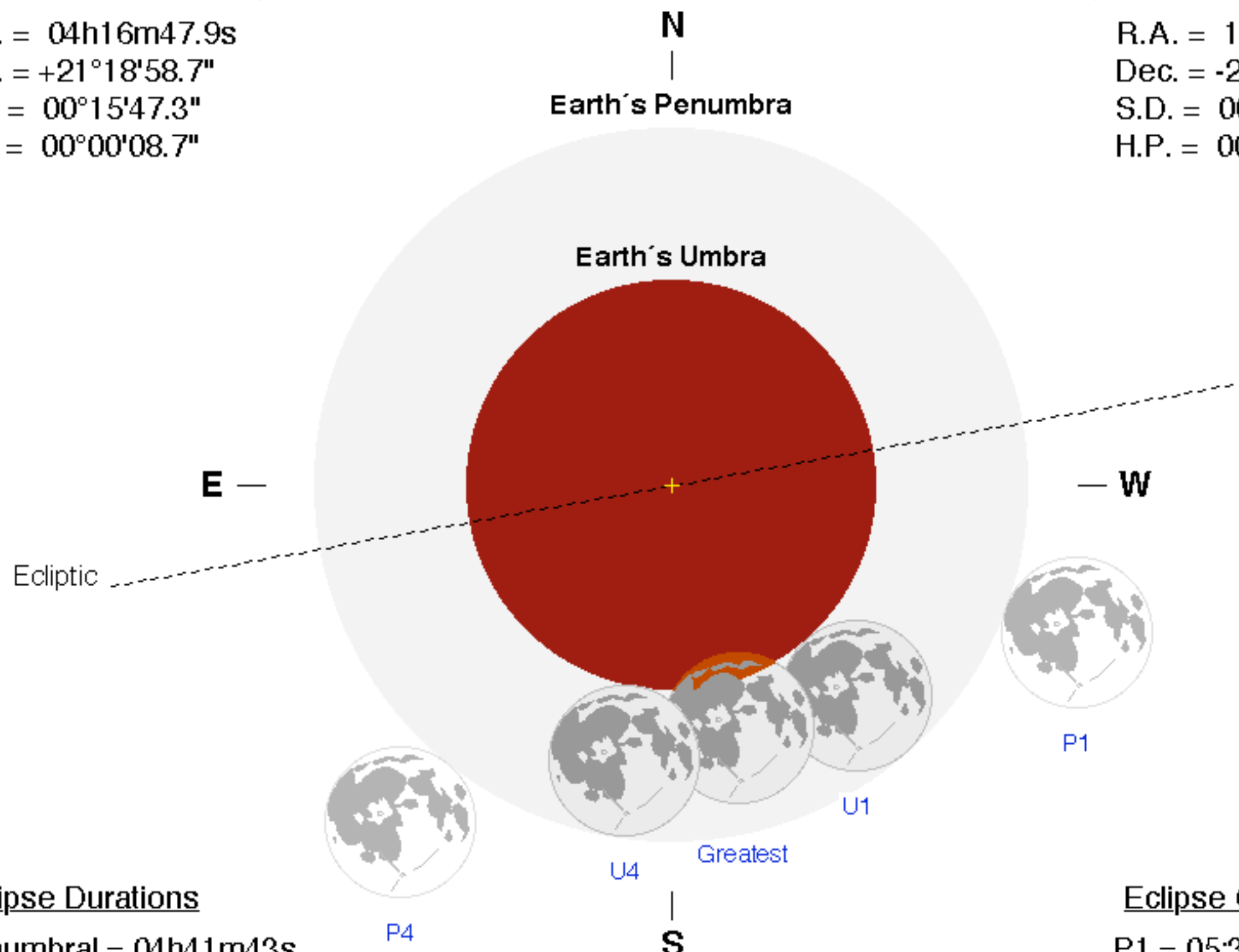
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 16h15m47.5s

Dec. = -22°09'09.7"

S.D. = 00°15'36.4"

H.P. = 00°57'16.6"



Eclipse Durations

Penumbral = 04h41m43s

Umbral = 01h37m11s

Eclipse Contacts

P1 = 05:32:53 UT

U1 = 07:05:13 UT

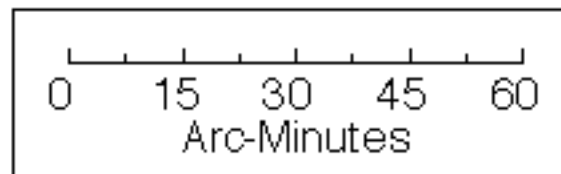
U4 = 08:42:24 UT

P4 = 10:14:36 UT

$\Delta T = 112$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85



F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

