

Total Lunar Eclipse of 2076 Jun 17

Ecliptic Conjunction = 02:40:14.7 TD (= 02:37:45.9 UT)

Greatest Eclipse = 02:39:46.5 TD (= 02:37:17.6 UT)

Penumbral Magnitude = 2.7554

P. Radius = 1.2768°

Gamma = -0.0452

Umbral Magnitude = 1.7943

U. Radius = 0.7520°

Axis = 0.0453°

Saros Series = 131

Member = 37 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 05h46m08.3s

Dec. = +23°23'27.7"

S.D. = 00°15'44.6"

H.P. = 00°00'08.7"

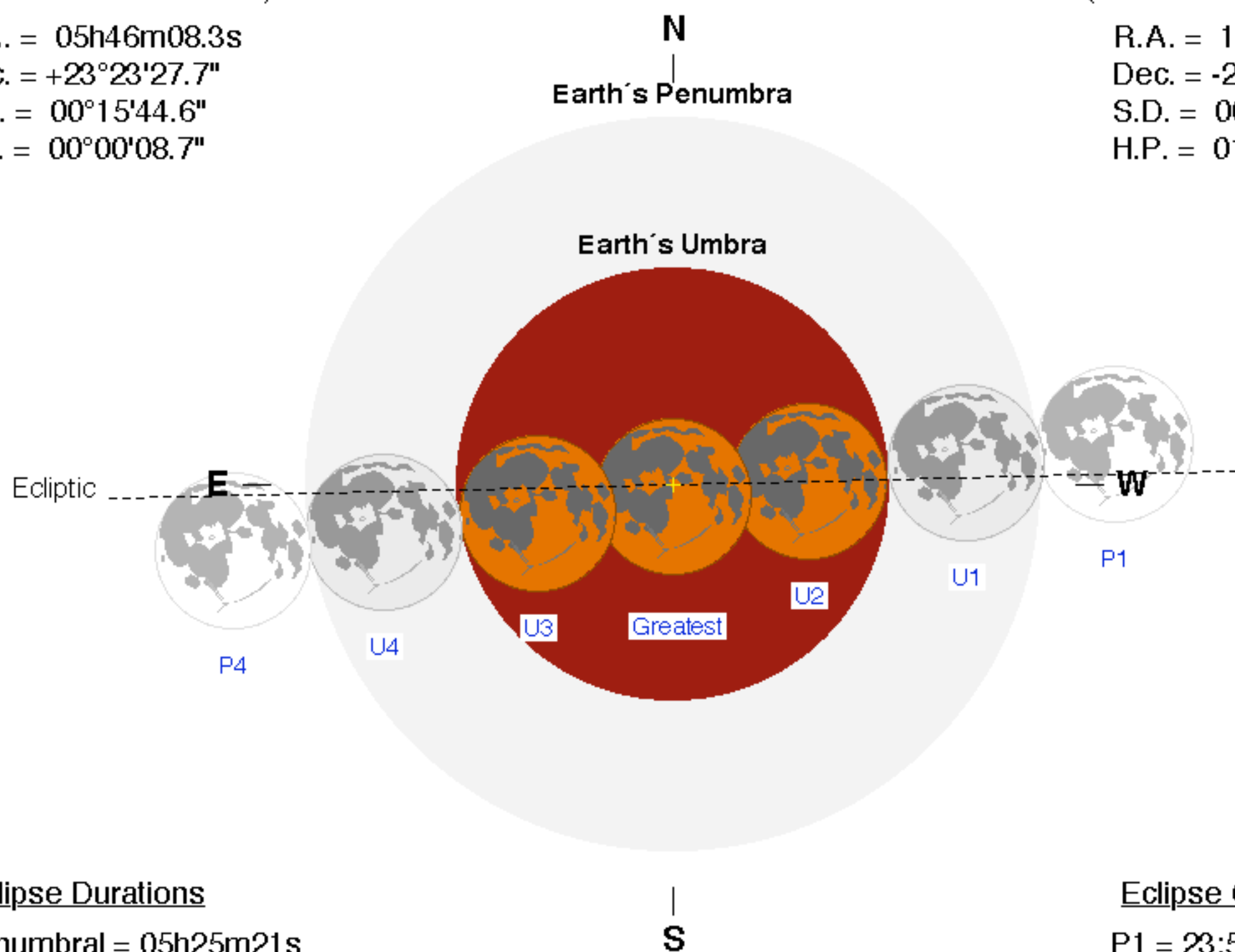
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 17h46m06.8s

Dec. = -23°26'09.4"

S.D. = 00°16'22.8"

H.P. = 01°00'07.0"



Eclipse Durations

Penumbral = 05h25m21s

Umbral = 03h35m05s

Total = 01h40m10s

$\Delta T = 149$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 23:54:35 UT

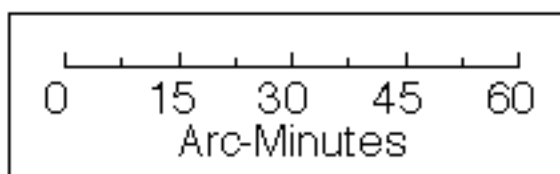
U1 = 00:49:46 UT

U2 = 01:47:13 UT

U3 = 03:27:23 UT

U4 = 04:24:51 UT

P4 = 05:19:56 UT



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

