

Total Lunar Eclipse of 0734 Jan 24

Ecliptic Conjunction = 04:06:19.6 TD (= 03:08:07.2 UT)

Greatest Eclipse = 04:07:54.4 TD (= 03:09:42.0 UT)

Penumbral Magnitude = 2.5982

P. Radius = 1.2579°

Gamma = -0.1456

Umbral Magnitude = 1.5835

U. Radius = 0.7183°

Axis = 0.1421°

Saros Series = 84 Member = 47 of 84

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 20h41m08.0s

Dec. = -18°26'00.2"

S.D. = 00°16'11.3"

H.P. = 00°00'08.9"

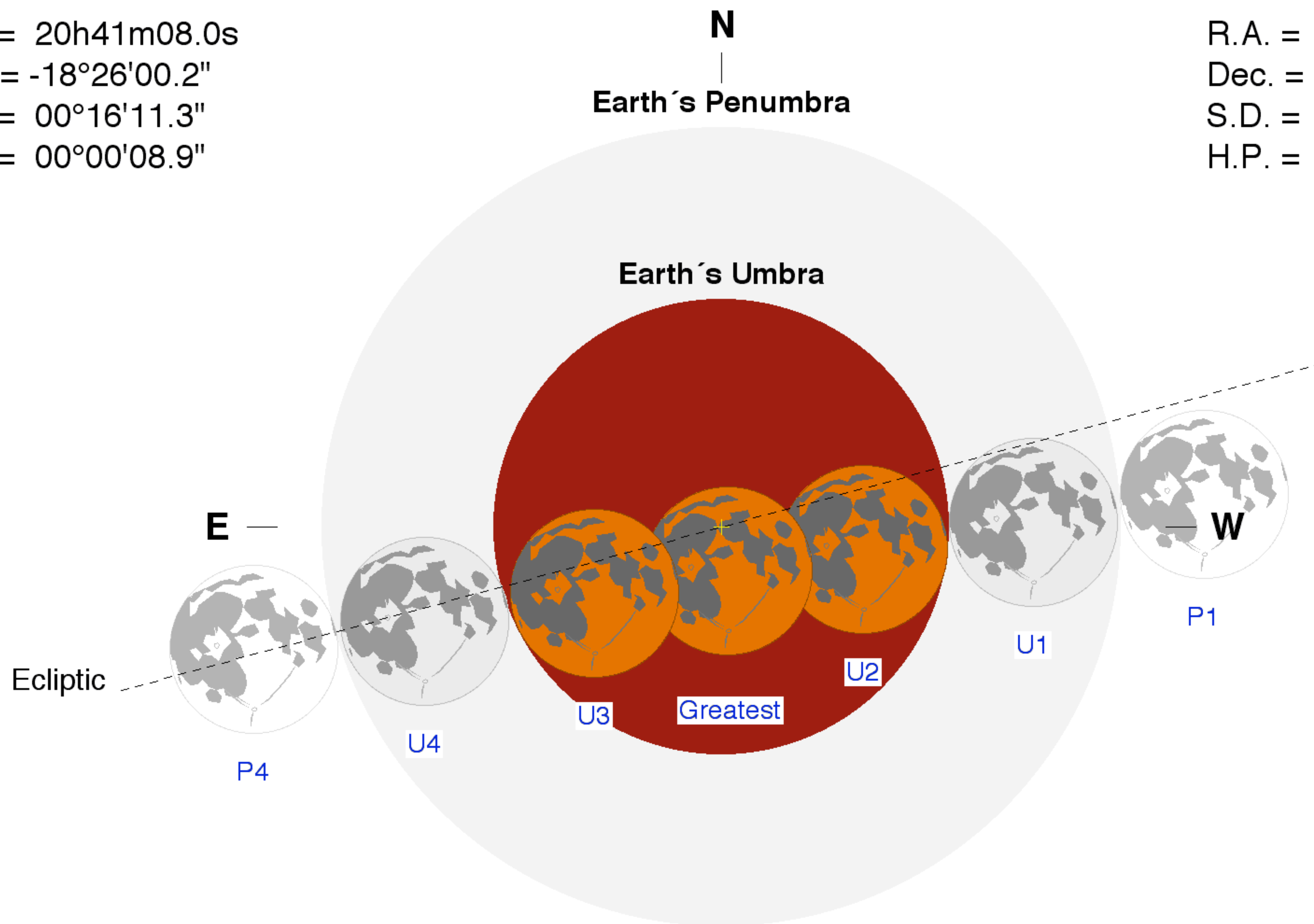
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 08h41m02.2s

Dec. = +18°17'35.5"

S.D. = 00°15'57.2"

H.P. = 00°58'33.0"



Eclipse Durations

Penumbral = 05h38m06s

Umbral = 03h37m03s

Total = 01h35m44s

$\Delta T = 3492$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 00:20:42 UT

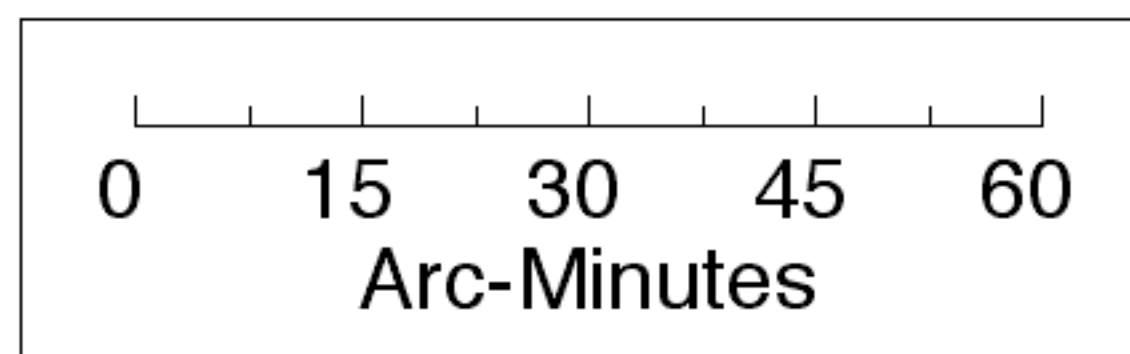
U1 = 01:21:09 UT

U2 = 02:21:49 UT

U3 = 03:57:33 UT

U4 = 04:58:13 UT

P4 = 05:58:48 UT



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

