

Total Lunar Eclipse of 2094 Jun 28

Ecliptic Conjunction = 10:01:38.7 TD (= 09:58:29.1 UT)

Greatest Eclipse = 10:01:56.8 TD (= 09:58:47.1 UT)

Penumbral Magnitude = 2.7865

P. Radius = 1.2739°

Gamma = 0.0288

Umbral Magnitude = 1.8234

U. Radius = 0.7495°

Axis = 0.0288°

Saros Series = 131

Member = 38 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 06h31m43.3s

Dec. = +23°13'34.7"

S.D. = 00°15'44.0"

H.P. = 00°00'08.7"

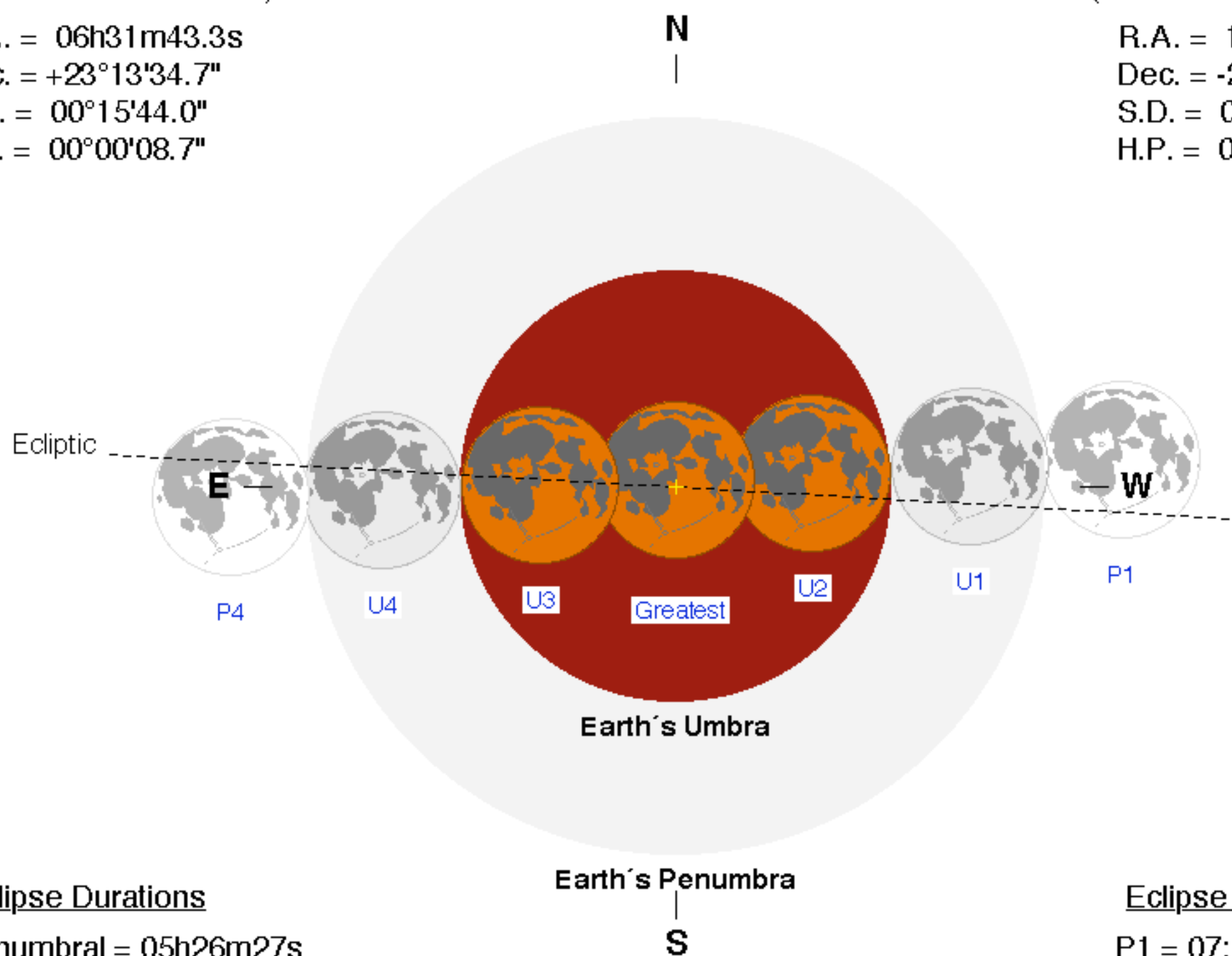
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 18h31m43.6s

Dec. = -23°11'51.1"

S.D. = 00°16'20.2"

H.P. = 00°59'57.5"



Eclipse Durations

Penumbral = 05h26m27s

Umbral = 03h35m42s

Total = 01h40m36s

$\Delta T = 190$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

Eclipse Contacts

P1 = 07:15:31 UT

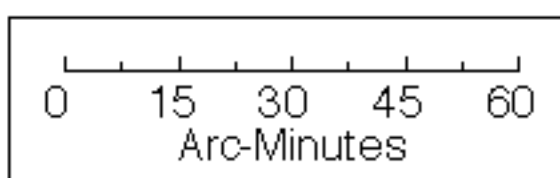
U1 = 08:10:57 UT

U2 = 09:08:29 UT

U3 = 10:49:06 UT

U4 = 11:46:39 UT

P4 = 12:41:59 UT



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

