

Total Lunar Eclipse of 1971 Aug 06

Ecliptic Conjunction = 19:43:02.2 TD (= 19:42:20.4 UT)

Greatest Eclipse = 19:43:52.2 TD (= 19:43:10.3 UT)

Penumbral Magnitude = 2.6958

P. Radius = 1.2722°

Gamma = -0.0794

Umbral Magnitude = 1.7283

U. Radius = 0.7465°

Axis = 0.0792°

Saros Series = 128 Member = 38 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 09h04m36.6s

Dec. = +16°43'16.0"

S.D. = 00°15'46.2"

H.P. = 00°00'08.7"

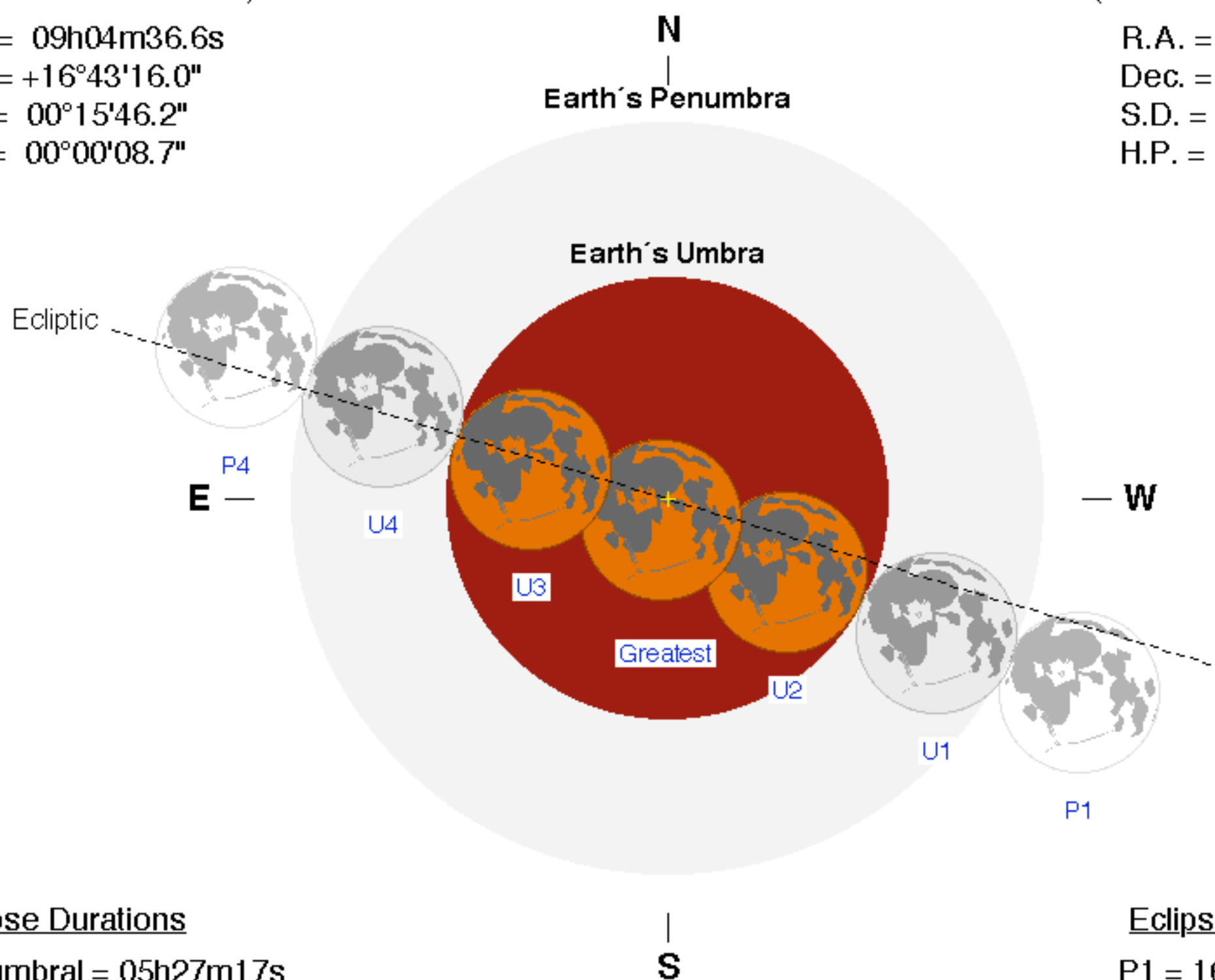
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 21h04m44.2s

Dec. = -16°47'39.7"

S.D. = 00°16'17.9"

H.P. = 00°59'49.1"



Eclipse Durations

Penumbral = 05h27m17s

Umbral = 03h35m30s

Total = 01h39m25s

$\Delta T = 42$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 16:59:29 UT

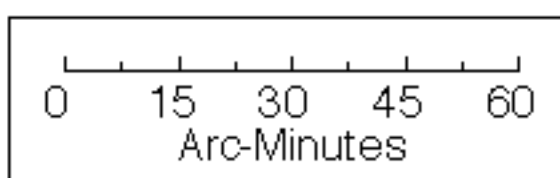
U1 = 17:55:26 UT

U2 = 18:53:28 UT

U3 = 20:32:53 UT

U4 = 21:30:56 UT

P4 = 22:26:46 UT



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eclipse.gsfc.nasa.gov/eclipse.html

