

Partial Lunar Eclipse of 1970 Feb 21

Ecliptic Conjunction = 08:19:21.4 TD (= 08:18:41.0 UT)

Greatest Eclipse = 08:30:43.1 TD (= 08:30:02.8 UT)

Penumbral Magnitude = 1.1402

P. Radius = 1.1853°

Gamma = 0.9619

Umbral Magnitude = 0.0463

U. Radius = 0.6462°

Axis = 0.8698°

Saros Series = 113

Member = 61 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 22h17m07.7s

Dec. = -10°39'28.9"

S.D. = 00°16'10.2"

H.P. = 00°00'08.9"

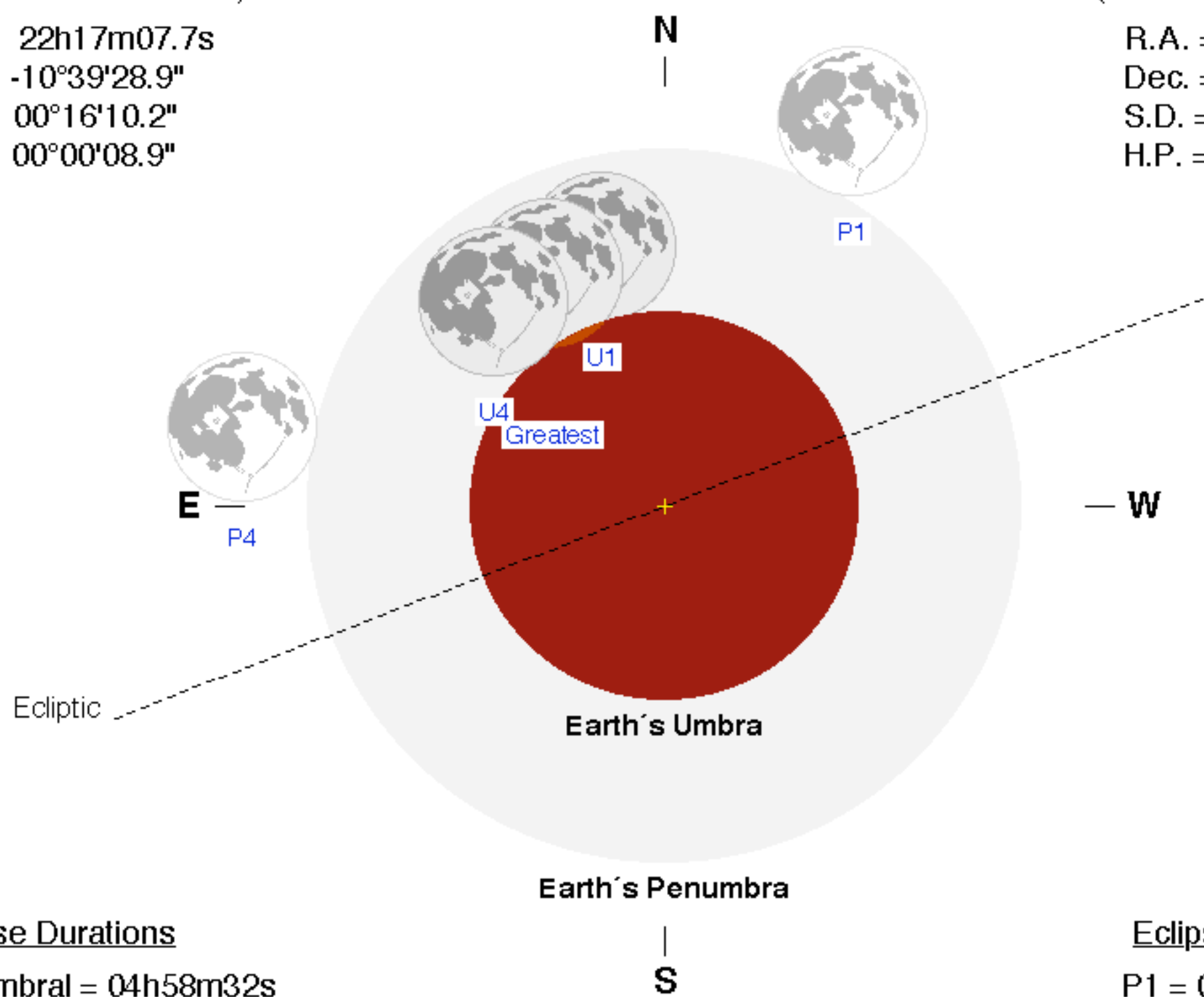
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 10h18m43.4s

Dec. = +11°26'05.6"

S.D. = 00°14'47.0"

H.P. = 00°54'15.2"



Eclipse Durations

Penumbral = 04h58m32s

Umbral = 00h52m40s

Eclipse Contacts

P1 = 06:00:46 UT

U1 = 08:03:45 UT

U4 = 08:56:26 UT

P4 = 10:59:18 UT

$\Delta T = 40$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

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

