

# Penumbral Lunar Eclipse of 1929 May 23

Ecliptic Conjunction = 12:50:08.0 TD (= 12:49:43.9 UT)

Greatest Eclipse = 12:37:44.8 TD (= 12:37:20.7 UT)

Penumbral Magnitude = 0.9367

P. Radius = 1.1814°

Gamma = -1.0650

Umbral Magnitude = -0.1287

U. Radius = 0.6550°

Axis = 0.9657°

Saros Series = 139

Member = 17 of 81

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 03h59m05.6s

Dec. = +20°32'45.0"

S.D. = 00°15'47.6"

H.P. = 00°00'08.7"

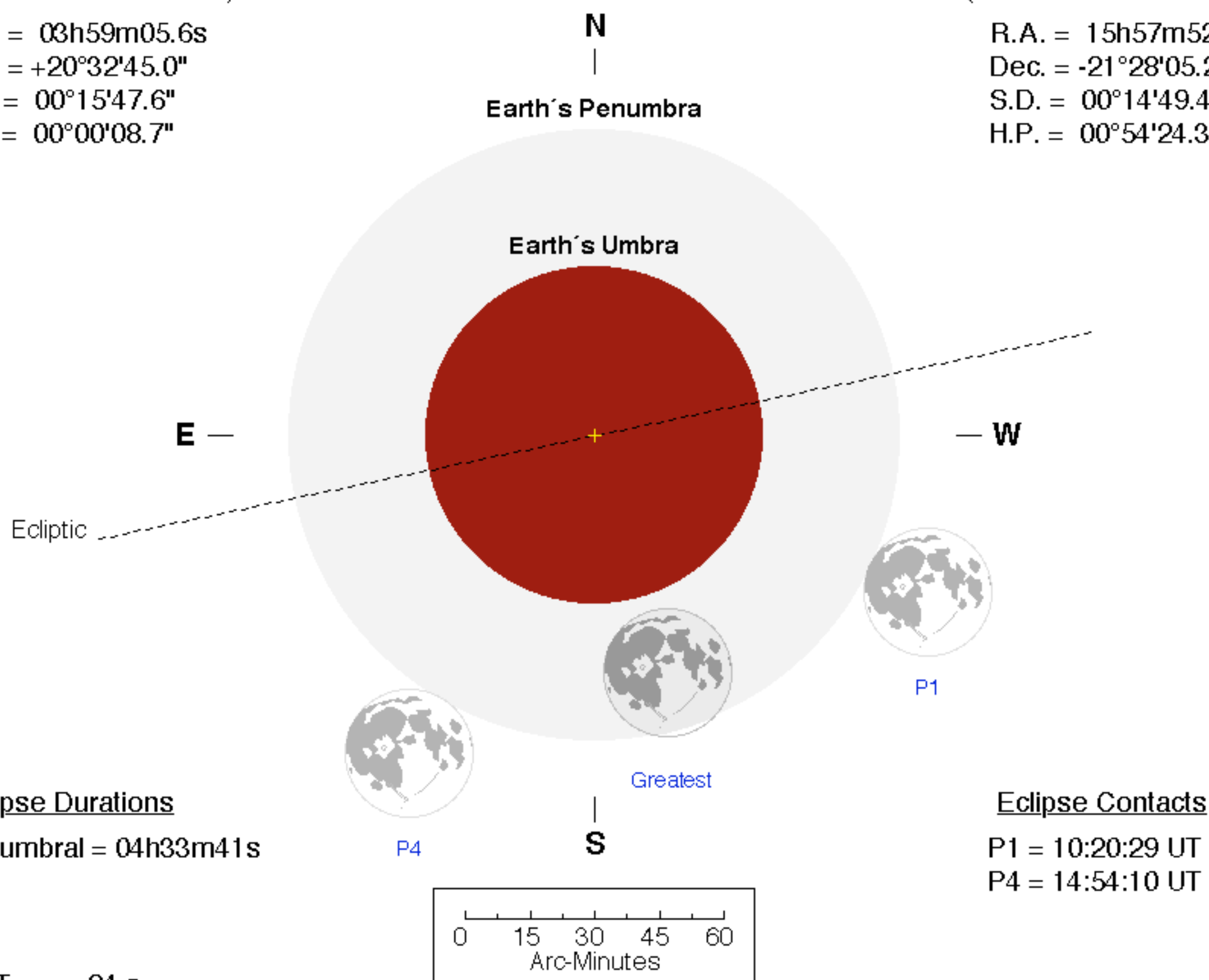
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 15h57m52.0s

Dec. = -21°28'05.2"

S.D. = 00°14'49.4"

H.P. = 00°54'24.3"



## Eclipse Durations

Penumbral = 04h33m41s

## Eclipse Contacts

P1 = 10:20:29 UT

P4 = 14:54:10 UT

$\Delta T = 24$  s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

[eclipse.gsfc.nasa.gov/eclipse.html](http://eclipse.gsfc.nasa.gov/eclipse.html)

