

# Total Lunar Eclipse of 2061 Apr 04

Ecliptic Conjunction = 21:49:01.5 TD (= 21:47:05.4 UT)

Greatest Eclipse = 21:54:04.7 TD (= 21:52:08.5 UT)

Penumbral Magnitude = 2.1044

P. Radius = 1.1919°

Gamma = 0.4300

Umbral Magnitude = 1.0341

U. Radius = 0.6589°

Axis = 0.3929°

Saros Series = 123

Member = 55 of 73

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 00h57m38.4s

Dec. = +06°09'23.5"

S.D. = 00°15'59.4"

H.P. = 00°00'08.8"

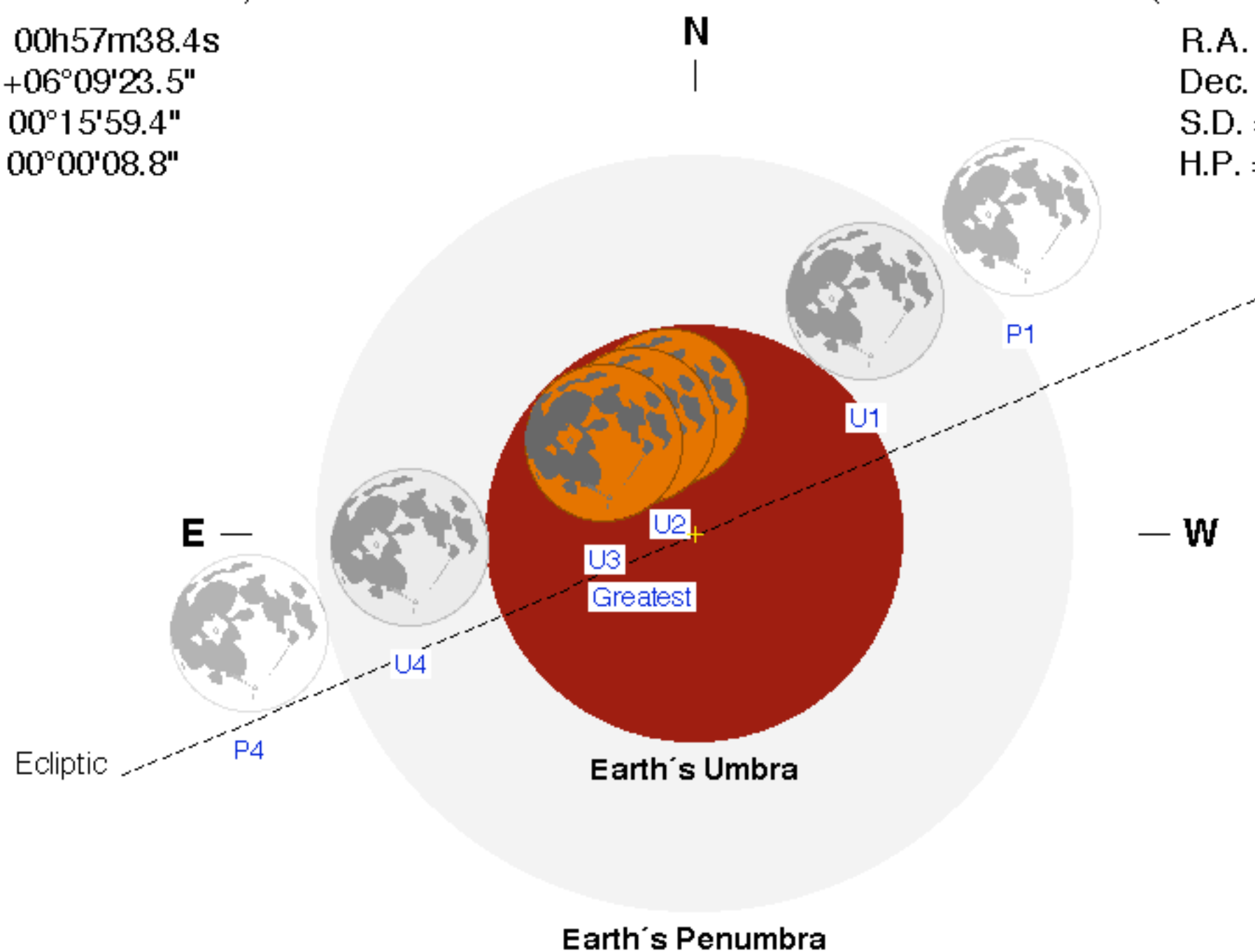
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 12h58m23.4s

Dec. = -05°48'39.0"

S.D. = 00°14'56.4"

H.P. = 00°54'49.7"



## Eclipse Durations

Penumbral = 05h55m03s

Umbral = 03h29m38s

Total = 00h29m53s

$\Delta T = 116$  s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

## Eclipse Contacts

P1 = 18:54:38 UT

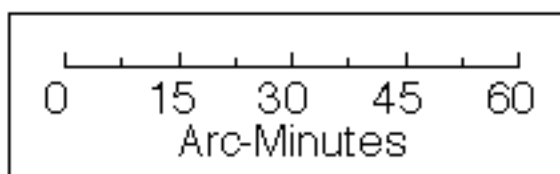
U1 = 20:07:18 UT

U2 = 21:37:11 UT

U3 = 22:07:04 UT

U4 = 23:36:56 UT

P4 = 00:49:41 UT



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

