

# Total Lunar Eclipse of 2022 May 16

Ecliptic Conjunction = 04:15:18.8 TD (= 04:14:06.0 UT)

Greatest Eclipse = 04:12:41.6 TD (= 04:11:28.8 UT)

Penumbral Magnitude = 2.3726

P. Radius = 1.2854°

Gamma = -0.2532

Umbral Magnitude = 1.4137

U. Radius = 0.7580°

Axis = 0.2555°

Saros Series = 131

Member = 34 of 72

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 03h31m49.5s

Dec. = +19°05'13.4"

S.D. = 00°15'49.2"

H.P. = 00°00'08.7"

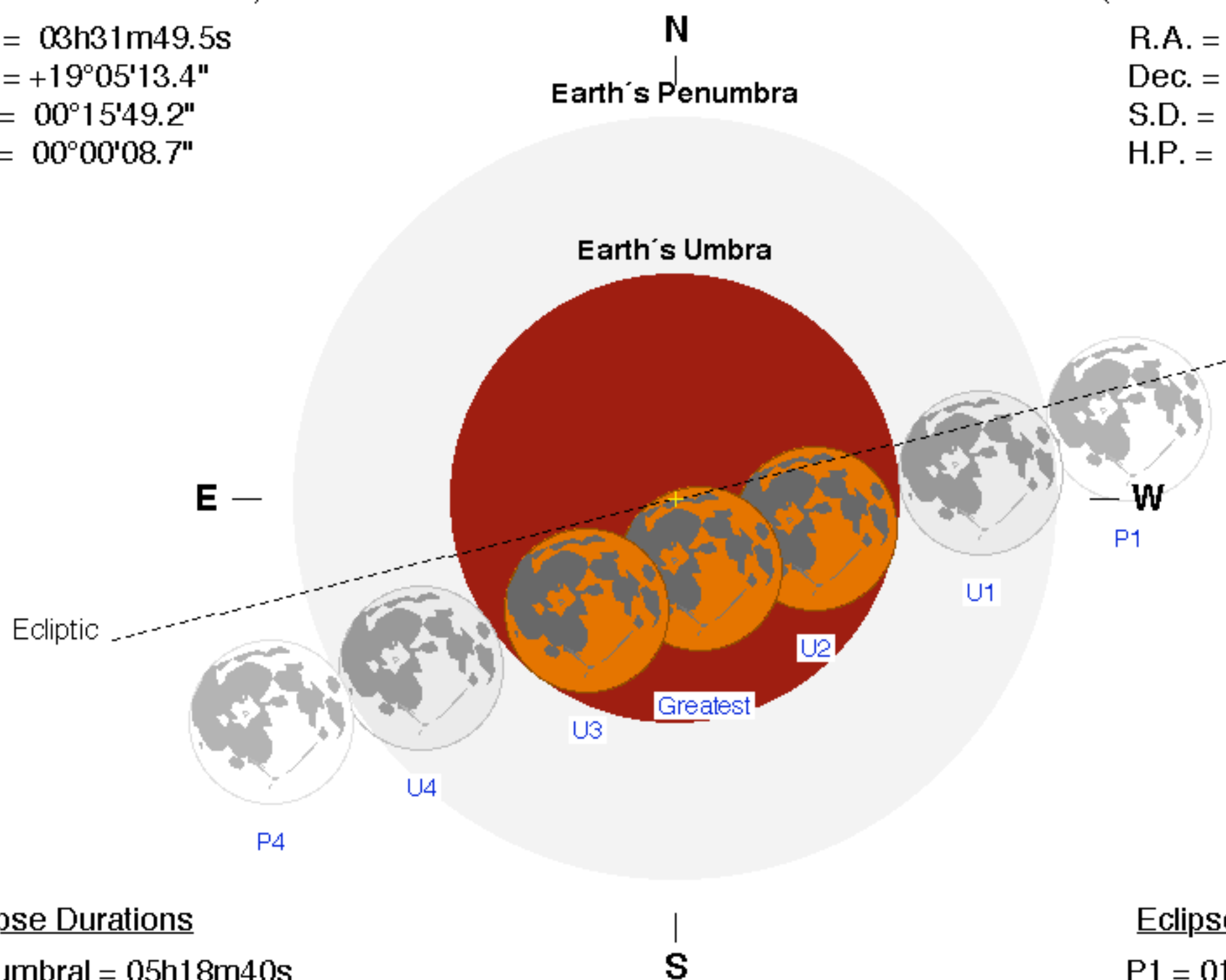
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 15h31m27.8s

Dec. = -19°19'40.4"

S.D. = 00°16'29.9"

H.P. = 01°00'33.1"



## Eclipse Durations

Penumbral = 05h18m40s

Umbral = 03h27m14s

Total = 01h24m53s

$\Delta T = 73$  s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

## Eclipse Contacts

P1 = 01:32:07 UT

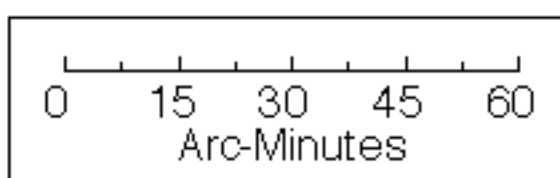
U1 = 02:27:53 UT

U2 = 03:29:03 UT

U3 = 04:53:56 UT

U4 = 05:55:07 UT

P4 = 06:50:48 UT



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

