

# Partial Solar Eclipse of 2025 Mar 29

Greatest Eclipse = 10:48:36.1 TD (= 10:47:24.2 UT1)

Eclipse Magnitude = 0.9376  
Gamma = 1.0405

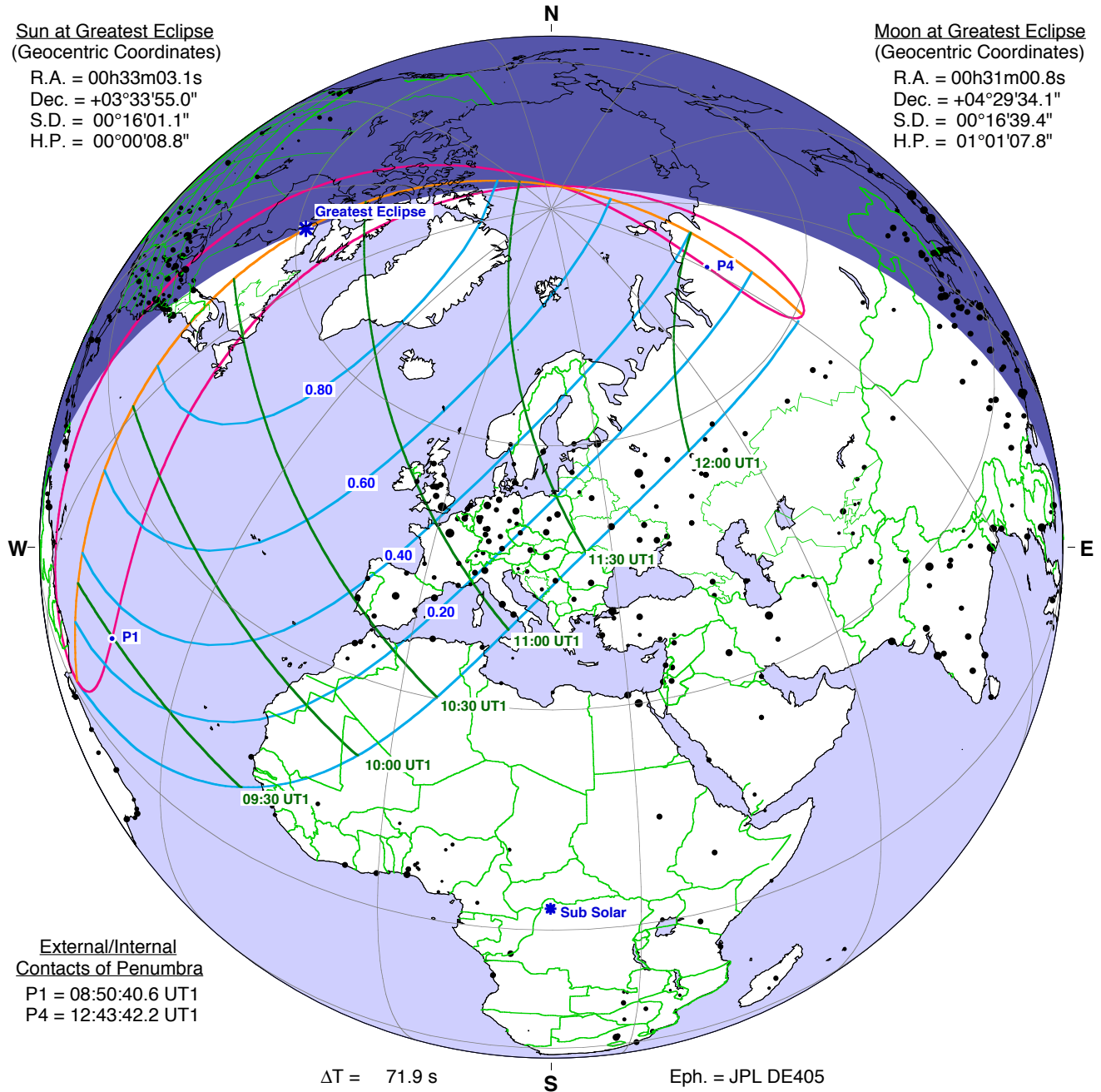
Saros Series = 149  
Saros Member = 21 of 71

**Sun at Greatest Eclipse**  
(Geocentric Coordinates)

R.A. = 00h33m03.1s  
Dec. = +03°33'55.0"  
S.D. = 00°16'01.1"  
H.P. = 00°00'08.8"

**Moon at Greatest Eclipse**  
(Geocentric Coordinates)

R.A. = 00h31m00.8s  
Dec. = +04°29'34.1"  
S.D. = 00°16'39.4"  
H.P. = 01°01'07.8"



**External/Internal**  
**Contacts of Penumbra**

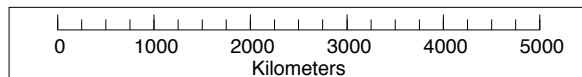
P1 = 08:50:40.6 UT1  
P4 = 12:43:42.2 UT1

$\Delta T = 71.9$  s

Eph. = JPL DE405

**Circumstances at Greatest Eclipse: 10:47:24.2 UT1**

Lat. = 61°06.0'N      Sun Alt. = 0.0°  
Long. = 077°05.1'W      Sun Azm. = 82.6°



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