

# Figure 2

## Annular Solar Eclipse of 2021 Jun 10

Greatest Eclipse = 10:43:06.7 TD (= 10:41:56.3 UT1)

Eclipse Magnitude = 0.9435  
Gamma = 0.9152

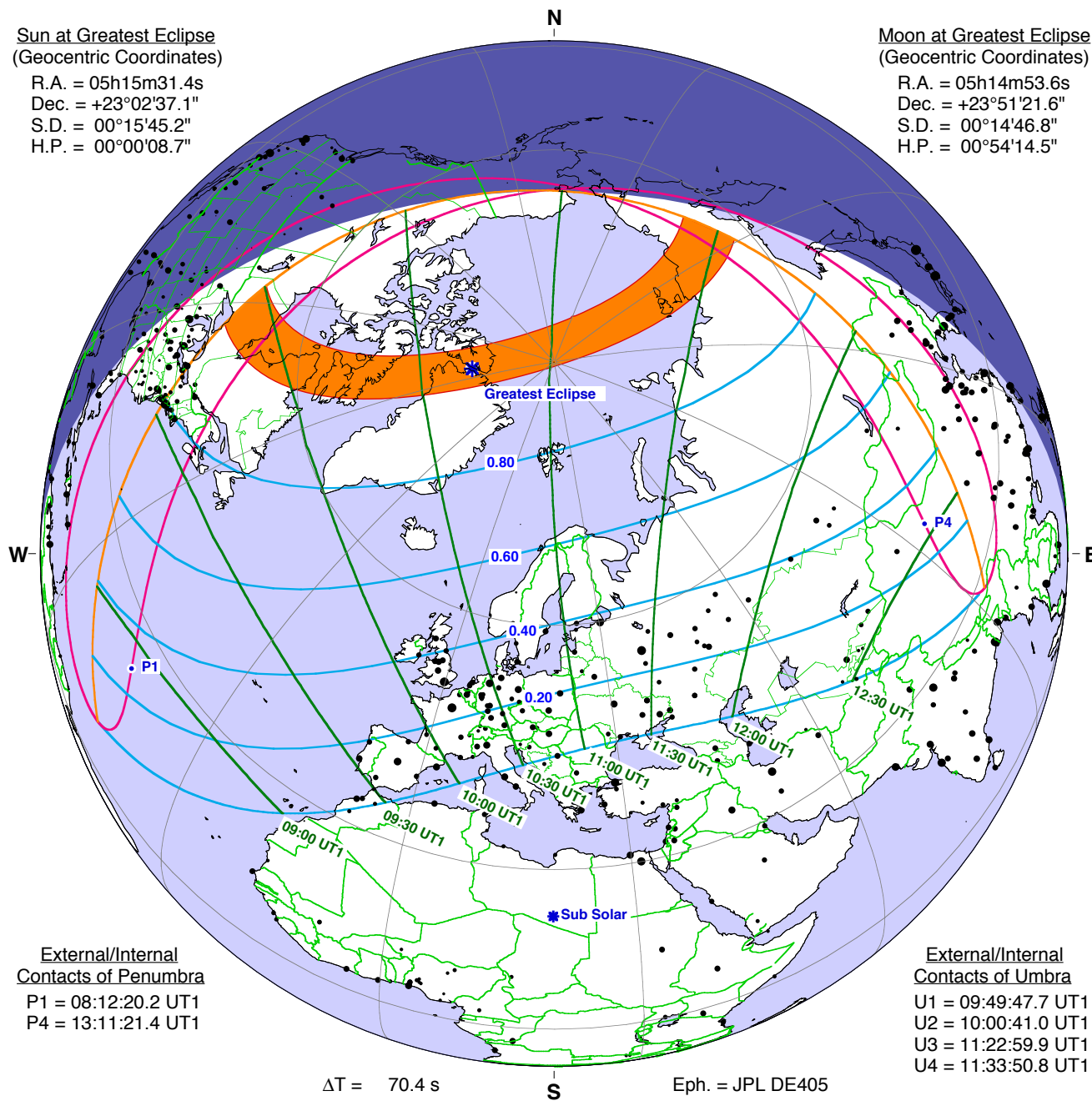
Saros Series = 147  
Saros Member = 23 of 80

Sun at Greatest Eclipse  
(Geocentric Coordinates)

R.A. = 05h15m31.4s  
Dec. = +23°02'37.1"  
S.D. = 00°15'45.2"  
H.P. = 00°00'08.7"

Moon at Greatest Eclipse  
(Geocentric Coordinates)

R.A. = 05h14m53.6s  
Dec. = +23°51'21.6"  
S.D. = 00°14'46.8"  
H.P. = 00°54'14.5"



External/Internal  
Contacts of Penumbra

P1 = 08:12:20.2 UT1  
P4 = 13:11:21.4 UT1

External/Internal  
Contacts of Umbra

U1 = 09:49:47.7 UT1  
U2 = 10:00:41.0 UT1  
U3 = 11:22:59.9 UT1  
U4 = 11:33:50.8 UT1

$\Delta T = 70.4$  s

S

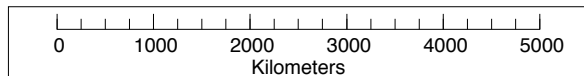
Eph. = JPL DE405

Circumstances at Greatest Eclipse: 10:41:56.3 UT1

Lat. = 80°48.9'N      Sun Alt. = 23.3°  
Long. = 066°46.1'W      Sun Azm. = 89.9°  
Path Width = 526.8 km      Duration = 03m51.2s

Circumstances at Greatest Duration: 10:41:57.4 UT1

Lat. = 80°49.4'N      Sun Alt. = 23.3°  
Long. = 066°46.4'W      Sun Azm. = 89.9°  
Path Width = 526.8 km      Duration = 03m51.2s



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