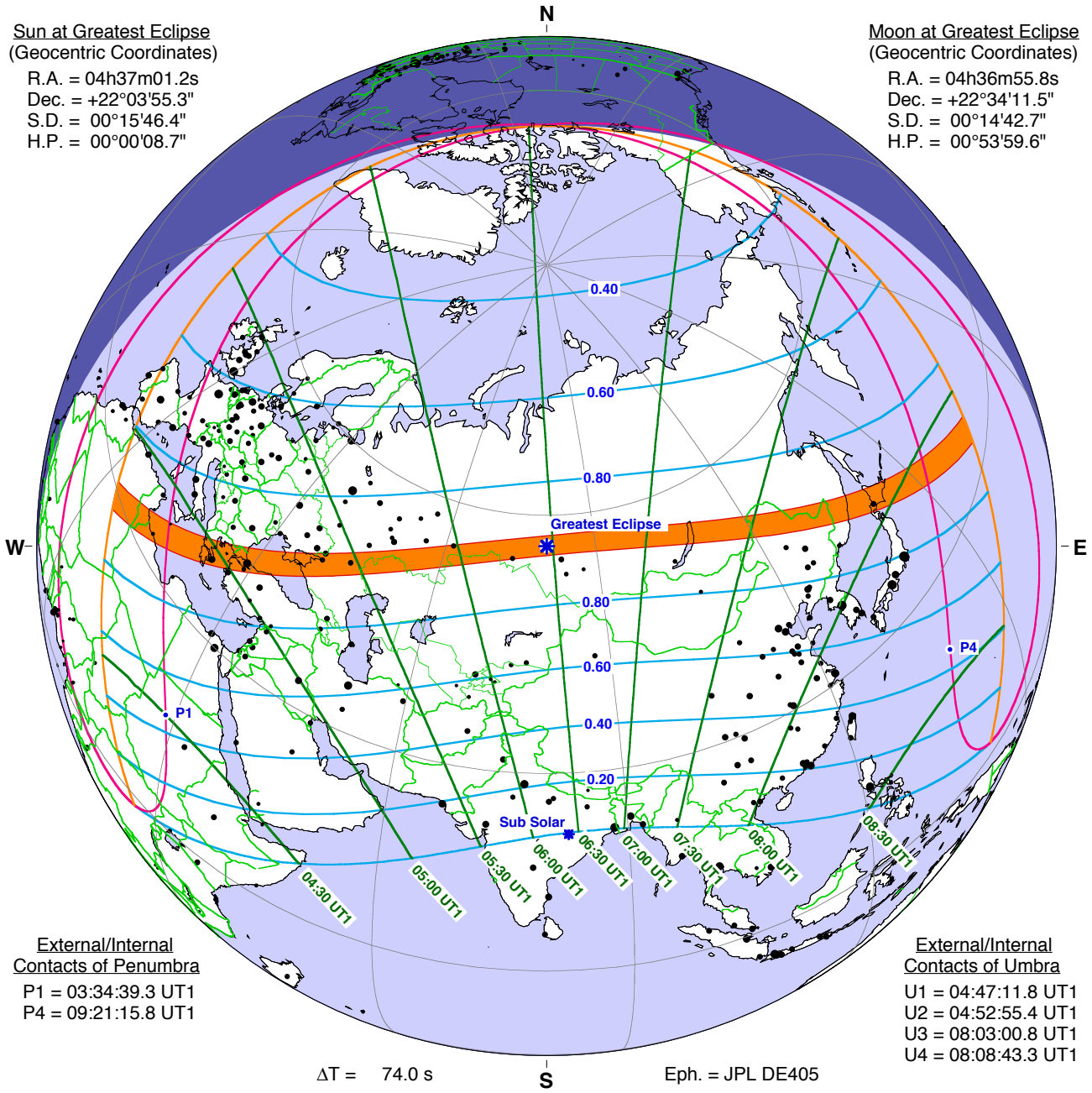
Annular Solar Eclipse of 2030 Jun 01

Greatest Eclipse = 06:29:12.9 TD (= 06:27:58.8 UT1)

Eclipse Magnitude = 0.9443 Saros Series = 128

Gamma = 0.5626 Saros Member = 59 of 73



Sun at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 04h37m01.2s
Dec. = +22°03'55.3"
S.D. = 00°15'46.4"
H.P. = 00°00'08.7"

Moon at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 04h36m55.8s
Dec. = +22°34'11.5"
S.D. = 00°14'42.7"
H.P. = 00°53'59.6"

External/Internal
Contacts of Penumbra
P1 = 03:34:39.3 UT1
P4 = 09:21:15.8 UT1

External/Internal
Contacts of Umbra
U1 = 04:47:11.8 UT1
U2 = 04:52:55.4 UT1
U3 = 08:03:00.8 UT1
U4 = 08:08:43.3 UT1

ΔT = 74.0 s

Eph. = JPL DE405

Circumstances at Greatest Eclipse: 06:27:58.8 UT1

Lat. = 56°31.5'N
Long. = 080°03.7'E
Path Width = 249.6 km
Sun Alt. = 55.5°
Sun Azm. = 176.1°
Duration = 05m20.8s

Circumstances at Greatest Duration: 06:28:41.2 UT1

Lat. = 56°32.9'N
Long. = 080°30.1'E
Path Width = 249.6 km
Sun Alt. = 55.5°
Sun Azm. = 177.1°
Duration = 05m20.8s

0 1000 2000 3000 4000 5000
Kilometers