

ECLIPSES DURING 2024 (Fred Espenak)

Figure 5

Partial Lunar Eclipse of 2024 Sep 18

Greatest Eclipse = 02:45:25.5 TT (= 02:44:16.3 UTC)

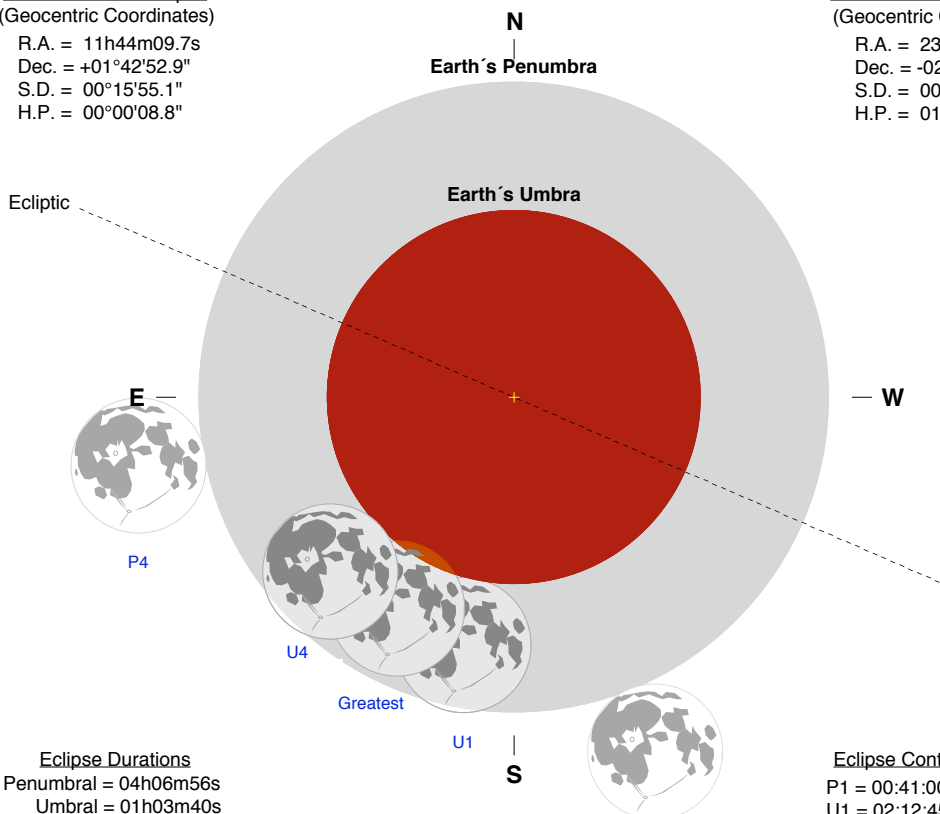
Penumbral Magnitude = 1.0392
Umbral Magnitude = 0.0869

Gamma = -0.9792
Axis = 1.0009°

Saros Series = 118
Saros Member = 52 of 73

Sun at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 11h44m09.7s
Dec. = +01°42'52.9"
S.D. = 00°15'55.1"
H.P. = 00°00'08.8"

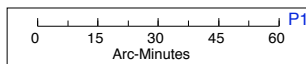
Moon at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 23h46m06.1s
Dec. = -02°35'26.7"
S.D. = 00°16'42.8"
H.P. = 01°01'20.4"



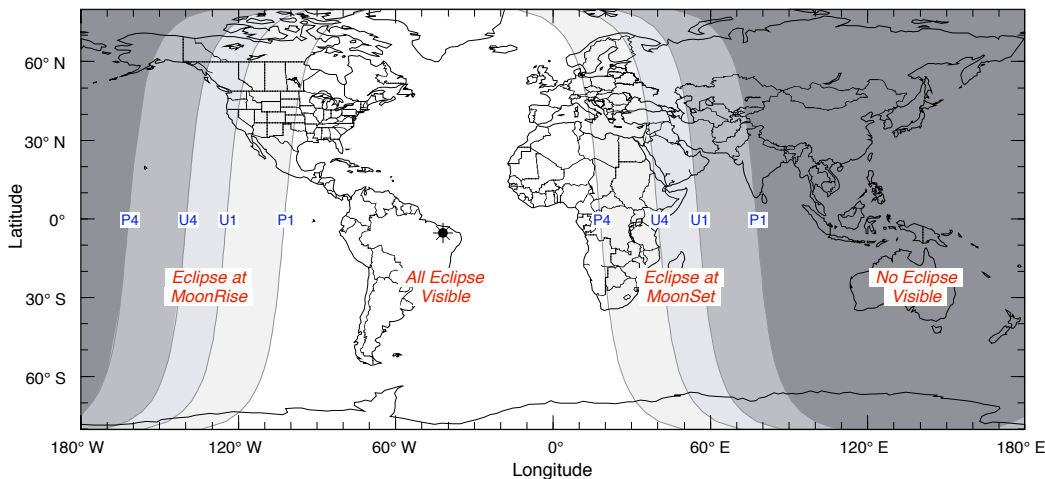
Eclipse Durations
Penumbral = 04h06m56s
Umbral = 01h03m40s

Eclipse Contacts
P1 = 00:41:00 UTC
U1 = 02:12:45 UTC
U4 = 03:16:24 UTC
P4 = 04:47:56 UTC

Eph. = JPL DE430
Rule = Herald-Sinnott
TT - UTC = 69.18 s



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Adapted from *21st Century Canon of Lunar Eclipses*, Fred Espenak, 2020.