

Table 1 — Central Line of Total Solar Eclipse of 2024 April 08

| Central Line | | | | | | | |
|--------------|-----------|------------|-------------------------|----------|---------|---------------|------------------|
| UTC | Latitude | Longitude | Sun/Moon Diameter Ratio | Sun Alt. | Sun Az. | Path Width km | Central Duration |
| Limit | 07°49.3'S | 158°32.4'W | 1.040 | 0.0 | 82.4 | 144.0 | 02m06.3s |
| 16:45 | 04°15.2'S | 142°45.0'W | 1.045 | 17.3 | 80.7 | 168.2 | 02m40.5s |
| 16:50 | 02°03.9'S | 137°02.2'W | 1.047 | 24.5 | 80.7 | 177.8 | 02m56.2s |
| 16:55 | 00°07.0'S | 132°57.7'W | 1.049 | 30.1 | 81.2 | 184.7 | 03m08.6s |
| 17:00 | 01°42.1'N | 129°43.0'W | 1.050 | 34.8 | 82.0 | 189.8 | 03m19.2s |
| 17:05 | 03°26.3'N | 126°59.5'W | 1.051 | 38.9 | 83.0 | 193.8 | 03m28.5s |
| 17:10 | 05°06.8'N | 124°37.6'W | 1.052 | 42.7 | 84.4 | 196.8 | 03m36.8s |
| 17:15 | 06°44.5'N | 122°31.3'W | 1.053 | 46.2 | 86.1 | 199.0 | 03m44.3s |
| 17:20 | 08°20.0'N | 120°37.0'W | 1.053 | 49.4 | 88.1 | 200.6 | 03m51.1s |
| 17:25 | 09°53.8'N | 118°51.8'W | 1.054 | 52.4 | 90.4 | 201.7 | 03m57.2s |
| 17:30 | 11°26.0'N | 117°13.9'W | 1.055 | 55.1 | 93.1 | 202.4 | 04m02.7s |
| 17:35 | 12°56.9'N | 115°41.6'W | 1.055 | 57.7 | 96.4 | 202.7 | 04m07.6s |
| 17:40 | 14°26.9'N | 114°13.7'W | 1.055 | 60.1 | 100.1 | 202.7 | 04m12.0s |
| 17:45 | 15°55.9'N | 112°49.1'W | 1.056 | 62.3 | 104.4 | 202.4 | 04m15.8s |
| 17:50 | 17°24.1'N | 111°27.0'W | 1.056 | 64.3 | 109.4 | 202.0 | 04m19.1s |
| 17:55 | 18°51.7'N | 110°06.5'W | 1.056 | 66.0 | 115.2 | 201.4 | 04m21.9s |
| 18:00 | 20°18.8'N | 108°47.0'W | 1.056 | 67.5 | 121.7 | 200.7 | 04m24.2s |
| 18:05 | 21°45.3'N | 107°27.7'W | 1.056 | 68.6 | 129.0 | 199.9 | 04m26.0s |
| 18:10 | 23°11.5'N | 106°08.0'W | 1.057 | 69.4 | 136.9 | 199.0 | 04m27.2s |
| 18:15 | 24°37.3'N | 104°47.2'W | 1.057 | 69.8 | 145.4 | 198.0 | 04m28.0s |
| 18:20 | 26°02.9'N | 103°24.7'W | 1.057 | 69.7 | 154.0 | 197.0 | 04m28.2s |
| 18:25 | 27°28.2'N | 101°59.9'W | 1.056 | 69.3 | 162.5 | 195.9 | 04m27.9s |
| 18:30 | 28°53.2'N | 100°31.9'W | 1.056 | 68.5 | 170.7 | 194.7 | 04m27.0s |
| 18:35 | 30°18.1'N | 099°00.0'W | 1.056 | 67.3 | 178.3 | 193.5 | 04m25.6s |
| 18:40 | 31°42.8'N | 097°23.4'W | 1.056 | 65.8 | 185.3 | 192.2 | 04m23.7s |
| 18:45 | 33°07.3'N | 095°41.1'W | 1.056 | 64.0 | 191.7 | 190.9 | 04m21.2s |
| 18:50 | 34°31.6'N | 093°52.0'W | 1.055 | 62.0 | 197.6 | 189.4 | 04m18.1s |
| 18:55 | 35°55.7'N | 091°54.8'W | 1.055 | 59.8 | 203.0 | 187.9 | 04m14.4s |
| 19:00 | 37°19.4'N | 089°48.0'W | 1.055 | 57.4 | 208.0 | 186.3 | 04m10.0s |
| 19:05 | 38°42.6'N | 087°29.8'W | 1.054 | 54.8 | 212.7 | 184.6 | 04m05.1s |
| 19:10 | 40°05.2'N | 084°58.0'W | 1.054 | 52.0 | 217.3 | 182.8 | 03m59.4s |
| 19:15 | 41°27.0'N | 082°09.6'W | 1.053 | 49.0 | 221.8 | 180.7 | 03m53.1s |
| 19:20 | 42°47.5'N | 079°01.0'W | 1.052 | 45.7 | 226.3 | 178.6 | 03m46.0s |
| 19:25 | 44°06.1'N | 075°27.5'W | 1.051 | 42.3 | 230.9 | 176.1 | 03m38.0s |
| 19:30 | 45°22.2'N | 071°21.9'W | 1.050 | 38.5 | 235.7 | 173.4 | 03m29.1s |
| 19:35 | 46°34.2'N | 066°34.2'W | 1.049 | 34.3 | 240.9 | 170.4 | 03m19.2s |
| 19:40 | 47°39.9'N | 060°47.6'W | 1.048 | 29.5 | 246.8 | 166.8 | 03m07.8s |
| 19:45 | 48°34.8'N | 053°30.0'W | 1.046 | 23.8 | 253.7 | 162.4 | 02m54.4s |
| 19:50 | 49°06.7'N | 043°18.3'W | 1.044 | 16.3 | 262.7 | 156.3 | 02m37.4s |
| Limit | 47°37.2'N | 019°47.7'W | 1.039 | 0.0 | 281.3 | 142.0 | 02m04.2s |