

Table 7c: Mapping Coordinates for the Path of Totality

| Longitude | Latitude of: | | | Circumstances on Central Line | | | | |
|------------|-------------------|-------------------|-----------------|-------------------------------|-----------------|-----------------|---------------------|-------------------|
| | Northern Limit | Southern Limit | Central Line | Universal Time h m s | Sun Alt ° | Sun Az. ° | Path Width km | Central Durat. |
| 125°00.0'W | 45°19.19'N | 44°25.90'N | 44°52.53'N | 17:15:48 | 38.3 | 114.6 | 98.6 | 01m57.1s |
| 124°52.5'W | 45°18.99'N | 44°25.65'N | 44°52.30'N | 17:15:57 | 38.4 | 114.8 | 98.7 | 01m57.3s |
| 124°45.0'W | 45°18.78'N | 44°25.40'N | 44°52.08'N | 17:16:06 | 38.5 | 114.9 | 98.8 | 01m57.5s |
| 124°37.5'W | 45°18.56'N | 44°25.14'N | 44°51.84'N | 17:16:15 | 38.6 | 115.1 | 98.9 | 01m57.7s |
| 124°30.0'W | 45°18.34'N | 44°24.87'N | 44°51.60'N | 17:16:24 | 38.7 | 115.2 | 98.9 | 01m57.9s |
| 124°22.5'W | 45°18.11'N | 44°24.60'N | 44°51.34'N | 17:16:34 | 38.8 | 115.4 | 99.0 | 01m58.1s |
| 124°15.0'W | 45°17.88'N | 44°24.32'N | 44°51.09'N | 17:16:43 | 38.9 | 115.5 | 99.1 | 01m58.3s |
| 124°07.5'W | 45°17.63'N | 44°24.03'N | 44°50.82'N | 17:16:52 | 39.0 | 115.7 | 99.2 | 01m58.5s |
| 124°00.0'W | 45°17.38'N | 44°23.73'N | 44°50.55'N | 17:17:01 | 39.2 | 115.8 | 99.2 | 01m58.7s |
| 123°52.5'W | 45°17.12'N | 44°23.43'N | 44°50.27'N | 17:17:10 | 39.3 | 116.0 | 99.3 | 01m58.9s |
| 123°45.0'W | 45°16.86'N | 44°23.12'N | 44°49.98'N | 17:17:19 | 39.4 | 116.1 | 99.4 | 01m59.1s |
| 123°37.5'W | 45°16.59'N | 44°22.80'N | 44°49.68'N | 17:17:29 | 39.5 | 116.3 | 99.5 | 01m59.3s |
| 123°30.0'W | 45°16.31'N | 44°22.48'N | 44°49.38'N | 17:17:38 | 39.6 | 116.4 | 99.6 | 01m59.5s |
| 123°22.5'W | 45°16.02'N | 44°22.15'N | 44°49.07'N | 17:17:47 | 39.7 | 116.6 | 99.6 | 01m59.7s |
| 123°15.0'W | 45°15.72'N | 44°21.81'N | 44°48.75'N | 17:17:56 | 39.8 | 116.7 | 99.7 | 01m59.9s |
| 123°07.5'W | 45°15.42'N | 44°21.46'N | 44°48.43'N | 17:18:06 | 39.9 | 116.9 | 99.8 | 02m00.1s |
| 123°00.0'W | 45°15.11'N | 44°21.10'N | 44°48.10'N | 17:18:15 | 40.0 | 117.1 | 99.9 | 02m00.3s |
| 122°52.5'W | 45°14.79'N | 44°20.74'N | 44°47.76'N | 17:18:25 | 40.1 | 117.2 | 99.9 | 02m00.5s |
| 122°45.0'W | 45°14.47'N | 44°20.37'N | 44°47.41'N | 17:18:34 | 40.2 | 117.4 | 100.0 | 02m00.7s |
| 122°37.5'W | 45°14.14'N | 44°19.99'N | 44°47.06'N | 17:18:44 | 40.3 | 117.5 | 100.1 | 02m00.9s |
| 122°30.0'W | 45°13.80'N | 44°19.61'N | 44°46.69'N | 17:18:53 | 40.4 | 117.7 | 100.1 | 02m01.2s |
| 122°22.5'W | 45°13.45'N | 44°19.22'N | 44°46.32'N | 17:19:03 | 40.5 | 117.8 | 100.2 | 02m01.4s |
| 122°15.0'W | 45°13.10'N | 44°18.82'N | 44°45.95'N | 17:19:12 | 40.6 | 118.0 | 100.3 | 02m01.6s |
| 122°07.5'W | 45°12.73'N | 44°18.41'N | 44°45.56'N | 17:19:22 | 40.7 | 118.2 | 100.4 | 02m01.8s |
| 122°00.0'W | 45°12.36'N | 44°17.99'N | 44°45.17'N | 17:19:31 | 40.9 | 118.3 | 100.4 | 02m02.0s |
| 121°52.5'W | 45°11.99'N | 44°17.57'N | 44°44.77'N | 17:19:41 | 41.0 | 118.5 | 100.5 | 02m02.2s |
| 121°45.0'W | 45°11.60'N | 44°17.14'N | 44°44.36'N | 17:19:51 | 41.1 | 118.6 | 100.6 | 02m02.4s |
| 121°37.5'W | 45°11.21'N | 44°16.70'N | 44°43.95'N | 17:20:00 | 41.2 | 118.8 | 100.7 | 02m02.6s |
| 121°30.0'W | 45°10.81'N | 44°16.25'N | 44°43.52'N | 17:20:10 | 41.3 | 119.0 | 100.7 | 02m02.8s |
| 121°22.5'W | 45°10.40'N | 44°15.80'N | 44°43.09'N | 17:20:20 | 41.4 | 119.1 | 100.8 | 02m03.0s |
| 121°15.0'W | 45°09.98'N | 44°15.34'N | 44°42.65'N | 17:20:30 | 41.5 | 119.3 | 100.9 | 02m03.2s |
| 121°07.5'W | 45°09.56'N | 44°14.87'N | 44°42.21'N | 17:20:40 | 41.6 | 119.4 | 101.0 | 02m03.4s |
| 121°00.0'W | 45°09.13'N | 44°14.39'N | 44°41.75'N | 17:20:49 | 41.7 | 119.6 | 101.0 | 02m03.6s |
| 120°52.5'W | 45°08.69'N | 44°13.91'N | 44°41.29'N | 17:20:59 | 41.8 | 119.8 | 101.1 | 02m03.8s |
| 120°45.0'W | 45°08.24'N | 44°13.41'N | 44°40.82'N | 17:21:09 | 41.9 | 119.9 | 101.2 | 02m04.0s |
| 120°37.5'W | 45°07.79'N | 44°12.91'N | 44°40.35'N | 17:21:19 | 42.0 | 120.1 | 101.2 | 02m04.2s |
| 120°30.0'W | 45°07.33'N | 44°12.41'N | 44°39.86'N | 17:21:29 | 42.1 | 120.3 | 101.3 | 02m04.4s |
| 120°22.5'W | 45°06.86'N | 44°11.89'N | 44°39.37'N | 17:21:39 | 42.2 | 120.4 | 101.4 | 02m04.6s |
| 120°15.0'W | 45°06.38'N | 44°11.37'N | 44°38.87'N | 17:21:49 | 42.3 | 120.6 | 101.5 | 02m04.8s |
| 120°07.5'W | 45°05.90'N | 44°10.83'N | 44°38.36'N | 17:21:59 | 42.5 | 120.8 | 101.5 | 02m05.0s |

Table 7c: Mapping Coordinates for the Path of Totality

| Longitude | Latitude of: | | | Circumstances on Central Line | | | | |
|------------|-------------------|-------------------|-----------------|-------------------------------|-----------------|-----------------|---------------------|-------------------|
| | Northern Limit | Southern Limit | Central Line | Universal Time h m s | Sun Alt ° | Sun Az. ° | Path Width km | Central Durat. |
| 120°00.0'W | 45°05.40'N | 44°10.29'N | 44°37.84'N | 17:22:09 | 42.6 | 120.9 | 101.6 | 02m05.2s |
| 119°52.5'W | 45°04.90'N | 44°09.75'N | 44°37.32'N | 17:22:20 | 42.7 | 121.1 | 101.7 | 02m05.4s |
| 119°45.0'W | 45°04.39'N | 44°09.19'N | 44°36.79'N | 17:22:30 | 42.8 | 121.3 | 101.8 | 02m05.6s |
| 119°37.5'W | 45°03.88'N | 44°08.63'N | 44°36.25'N | 17:22:40 | 42.9 | 121.4 | 101.8 | 02m05.8s |
| 119°30.0'W | 45°03.35'N | 44°08.06'N | 44°35.70'N | 17:22:50 | 43.0 | 121.6 | 101.9 | 02m06.1s |
| 119°22.5'W | 45°02.82'N | 44°07.48'N | 44°35.14'N | 17:23:00 | 43.1 | 121.8 | 102.0 | 02m06.3s |
| 119°15.0'W | 45°02.28'N | 44°06.89'N | 44°34.58'N | 17:23:11 | 43.2 | 121.9 | 102.0 | 02m06.5s |
| 119°07.5'W | 45°01.73'N | 44°06.29'N | 44°34.01'N | 17:23:21 | 43.3 | 122.1 | 102.1 | 02m06.7s |
| 119°00.0'W | 45°01.17'N | 44°05.69'N | 44°33.43'N | 17:23:31 | 43.4 | 122.3 | 102.2 | 02m06.9s |
| 118°52.5'W | 45°00.61'N | 44°05.08'N | 44°32.84'N | 17:23:42 | 43.5 | 122.4 | 102.3 | 02m07.1s |
| 118°45.0'W | 45°00.04'N | 44°04.46'N | 44°32.24'N | 17:23:52 | 43.6 | 122.6 | 102.3 | 02m07.3s |
| 118°37.5'W | 44°59.46'N | 44°03.83'N | 44°31.64'N | 17:24:03 | 43.7 | 122.8 | 102.4 | 02m07.5s |
| 118°30.0'W | 44°58.87'N | 44°03.19'N | 44°31.03'N | 17:24:13 | 43.8 | 123.0 | 102.5 | 02m07.7s |
| 118°22.5'W | 44°58.27'N | 44°02.55'N | 44°30.41'N | 17:24:24 | 43.9 | 123.1 | 102.5 | 02m07.9s |
| 118°15.0'W | 44°57.67'N | 44°01.90'N | 44°29.78'N | 17:24:34 | 44.0 | 123.3 | 102.6 | 02m08.1s |
| 118°07.5'W | 44°57.05'N | 44°01.24'N | 44°29.14'N | 17:24:45 | 44.2 | 123.5 | 102.7 | 02m08.3s |
| 118°00.0'W | 44°56.43'N | 44°00.57'N | 44°28.50'N | 17:24:55 | 44.3 | 123.7 | 102.7 | 02m08.5s |
| 117°52.5'W | 44°55.80'N | 43°59.89'N | 44°27.84'N | 17:25:06 | 44.4 | 123.8 | 102.8 | 02m08.7s |
| 117°45.0'W | 44°55.17'N | 43°59.20'N | 44°27.18'N | 17:25:17 | 44.5 | 124.0 | 102.9 | 02m08.9s |
| 117°37.5'W | 44°54.52'N | 43°58.51'N | 44°26.51'N | 17:25:27 | 44.6 | 124.2 | 103.0 | 02m09.1s |
| 117°30.0'W | 44°53.87'N | 43°57.81'N | 44°25.84'N | 17:25:38 | 44.7 | 124.4 | 103.0 | 02m09.3s |
| 117°22.5'W | 44°53.21'N | 43°57.10'N | 44°25.15'N | 17:25:49 | 44.8 | 124.5 | 103.1 | 02m09.5s |
| 117°15.0'W | 44°52.54'N | 43°56.38'N | 44°24.46'N | 17:26:00 | 44.9 | 124.7 | 103.2 | 02m09.7s |
| 117°07.5'W | 44°51.86'N | 43°55.65'N | 44°23.75'N | 17:26:10 | 45.0 | 124.9 | 103.2 | 02m09.9s |
| 117°00.0'W | 44°51.17'N | 43°54.92'N | 44°23.04'N | 17:26:21 | 45.1 | 125.1 | 103.3 | 02m10.1s |
| 116°52.5'W | 44°50.48'N | 43°54.17'N | 44°22.32'N | 17:26:32 | 45.2 | 125.3 | 103.4 | 02m10.3s |
| 116°45.0'W | 44°49.77'N | 43°53.42'N | 44°21.60'N | 17:26:43 | 45.3 | 125.4 | 103.4 | 02m10.5s |
| 116°37.5'W | 44°49.06'N | 43°52.66'N | 44°20.86'N | 17:26:54 | 45.4 | 125.6 | 103.5 | 02m10.7s |
| 116°30.0'W | 44°48.34'N | 43°51.89'N | 44°20.12'N | 17:27:05 | 45.5 | 125.8 | 103.6 | 02m10.9s |
| 116°22.5'W | 44°47.61'N | 43°51.11'N | 44°19.36'N | 17:27:16 | 45.6 | 126.0 | 103.6 | 02m11.1s |
| 116°15.0'W | 44°46.87'N | 43°50.33'N | 44°18.60'N | 17:27:27 | 45.8 | 126.2 | 103.7 | 02m11.3s |
| 116°07.5'W | 44°46.13'N | 43°49.53'N | 44°17.83'N | 17:27:38 | 45.9 | 126.3 | 103.8 | 02m11.5s |
| 116°00.0'W | 44°45.38'N | 43°48.73'N | 44°17.05'N | 17:27:49 | 46.0 | 126.5 | 103.8 | 02m11.7s |
| 115°52.5'W | 44°44.61'N | 43°47.92'N | 44°16.27'N | 17:28:00 | 46.1 | 126.7 | 103.9 | 02m11.9s |
| 115°45.0'W | 44°43.84'N | 43°47.10'N | 44°15.47'N | 17:28:11 | 46.2 | 126.9 | 104.0 | 02m12.1s |
| 115°37.5'W | 44°43.06'N | 43°46.27'N | 44°14.67'N | 17:28:23 | 46.3 | 127.1 | 104.0 | 02m12.3s |
| 115°30.0'W | 44°42.28'N | 43°45.43'N | 44°13.86'N | 17:28:34 | 46.4 | 127.3 | 104.1 | 02m12.5s |
| 115°22.5'W | 44°41.48'N | 43°44.59'N | 44°13.04'N | 17:28:45 | 46.5 | 127.5 | 104.2 | 02m12.7s |
| 115°15.0'W | 44°40.68'N | 43°43.73'N | 44°12.21'N | 17:28:56 | 46.6 | 127.6 | 104.2 | 02m12.9s |
| 115°07.5'W | 44°39.86'N | 43°42.87'N | 44°11.37'N | 17:29:08 | 46.7 | 127.8 | 104.3 | 02m13.1s |

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| Longitude | Latitude of: | | | Circumstances on Central Line | | | | |
|------------|-------------------|-------------------|-----------------|-------------------------------|-----------------|-----------------|---------------------|-------------------|
| | Northern Limit | Southern Limit | Central Line | Universal Time h m s | Sun Alt ° | Sun Az. ° | Path Width km | Central Durat. |
| 115°00.0'W | 44°39.04'N | 43°41.99'N | 44°10.52'N | 17:29:19 | 46.8 | 128.0 | 104.4 | 02m13.3s |
| 114°52.5'W | 44°38.21'N | 43°41.11'N | 44°09.66'N | 17:29:31 | 46.9 | 128.2 | 104.4 | 02m13.5s |
| 114°45.0'W | 44°37.37'N | 43°40.22'N | 44°08.80'N | 17:29:42 | 47.0 | 128.4 | 104.5 | 02m13.7s |
| 114°37.5'W | 44°36.52'N | 43°39.33'N | 44°07.93'N | 17:29:53 | 47.1 | 128.6 | 104.6 | 02m13.9s |
| 114°30.0'W | 44°35.67'N | 43°38.42'N | 44°07.05'N | 17:30:05 | 47.2 | 128.8 | 104.6 | 02m14.1s |
| 114°22.5'W | 44°34.80'N | 43°37.50'N | 44°06.16'N | 17:30:16 | 47.3 | 129.0 | 104.7 | 02m14.3s |
| 114°15.0'W | 44°33.93'N | 43°36.58'N | 44°05.26'N | 17:30:28 | 47.5 | 129.2 | 104.8 | 02m14.5s |
| 114°07.5'W | 44°33.04'N | 43°35.64'N | 44°04.35'N | 17:30:40 | 47.6 | 129.4 | 104.8 | 02m14.7s |
| 114°00.0'W | 44°32.15'N | 43°34.70'N | 44°03.43'N | 17:30:51 | 47.7 | 129.6 | 104.9 | 02m14.9s |
| 113°52.5'W | 44°31.25'N | 43°33.75'N | 44°02.50'N | 17:31:03 | 47.8 | 129.8 | 105.0 | 02m15.1s |
| 113°45.0'W | 44°30.34'N | 43°32.79'N | 44°01.57'N | 17:31:15 | 47.9 | 130.0 | 105.0 | 02m15.3s |
| 113°37.5'W | 44°29.42'N | 43°31.82'N | 44°00.63'N | 17:31:26 | 48.0 | 130.2 | 105.1 | 02m15.5s |
| 113°30.0'W | 44°28.50'N | 43°30.84'N | 43°59.67'N | 17:31:38 | 48.1 | 130.3 | 105.2 | 02m15.7s |
| 113°22.5'W | 44°27.56'N | 43°29.85'N | 43°58.71'N | 17:31:50 | 48.2 | 130.5 | 105.2 | 02m15.9s |
| 113°15.0'W | 44°26.62'N | 43°28.86'N | 43°57.74'N | 17:32:02 | 48.3 | 130.7 | 105.3 | 02m16.1s |
| 113°07.5'W | 44°25.66'N | 43°27.85'N | 43°56.76'N | 17:32:14 | 48.4 | 130.9 | 105.4 | 02m16.2s |
| 113°00.0'W | 44°24.70'N | 43°26.84'N | 43°55.77'N | 17:32:26 | 48.5 | 131.1 | 105.4 | 02m16.4s |
| 112°52.5'W | 44°23.73'N | 43°25.81'N | 43°54.78'N | 17:32:37 | 48.6 | 131.3 | 105.5 | 02m16.6s |
| 112°45.0'W | 44°22.75'N | 43°24.78'N | 43°53.77'N | 17:32:49 | 48.7 | 131.5 | 105.6 | 02m16.8s |
| 112°37.5'W | 44°21.76'N | 43°23.74'N | 43°52.76'N | 17:33:01 | 48.8 | 131.8 | 105.6 | 02m17.0s |
| 112°30.0'W | 44°20.76'N | 43°22.69'N | 43°51.73'N | 17:33:13 | 48.9 | 132.0 | 105.7 | 02m17.2s |
| 112°22.5'W | 44°19.75'N | 43°21.63'N | 43°50.70'N | 17:33:26 | 49.0 | 132.2 | 105.7 | 02m17.4s |
| 112°15.0'W | 44°18.74'N | 43°20.56'N | 43°49.65'N | 17:33:38 | 49.1 | 132.4 | 105.8 | 02m17.6s |
| 112°07.5'W | 44°17.71'N | 43°19.48'N | 43°48.60'N | 17:33:50 | 49.2 | 132.6 | 105.9 | 02m17.8s |
| 112°00.0'W | 44°16.67'N | 43°18.39'N | 43°47.54'N | 17:34:02 | 49.4 | 132.8 | 105.9 | 02m18.0s |
| 111°52.5'W | 44°15.63'N | 43°17.29'N | 43°46.47'N | 17:34:14 | 49.5 | 133.0 | 106.0 | 02m18.2s |
| 111°45.0'W | 44°14.58'N | 43°16.19'N | 43°45.39'N | 17:34:26 | 49.6 | 133.2 | 106.1 | 02m18.4s |
| 111°37.5'W | 44°13.52'N | 43°15.07'N | 43°44.30'N | 17:34:39 | 49.7 | 133.4 | 106.1 | 02m18.6s |
| 111°30.0'W | 44°12.44'N | 43°13.95'N | 43°43.20'N | 17:34:51 | 49.8 | 133.6 | 106.2 | 02m18.8s |
| 111°22.5'W | 44°11.36'N | 43°12.81'N | 43°42.10'N | 17:35:03 | 49.9 | 133.8 | 106.3 | 02m18.9s |
| 111°15.0'W | 44°10.27'N | 43°11.67'N | 43°40.98'N | 17:35:16 | 50.0 | 134.0 | 106.3 | 02m19.1s |
| 111°07.5'W | 44°09.17'N | 43°10.51'N | 43°39.85'N | 17:35:28 | 50.1 | 134.2 | 106.4 | 02m19.3s |
| 111°00.0'W | 44°08.06'N | 43°09.35'N | 43°38.72'N | 17:35:41 | 50.2 | 134.5 | 106.4 | 02m19.5s |
| 110°52.5'W | 44°06.95'N | 43°08.18'N | 43°37.57'N | 17:35:53 | 50.3 | 134.7 | 106.5 | 02m19.7s |
| 110°45.0'W | 44°05.82'N | 43°07.00'N | 43°36.42'N | 17:36:06 | 50.4 | 134.9 | 106.6 | 02m19.9s |
| 110°37.5'W | 44°04.68'N | 43°05.81'N | 43°35.25'N | 17:36:18 | 50.5 | 135.1 | 106.6 | 02m20.1s |
| 110°30.0'W | 44°03.54'N | 43°04.61'N | 43°34.08'N | 17:36:31 | 50.6 | 135.3 | 106.7 | 02m20.3s |
| 110°22.5'W | 44°02.38'N | 43°03.40'N | 43°32.90'N | 17:36:43 | 50.7 | 135.5 | 106.7 | 02m20.5s |
| 110°15.0'W | 44°01.22'N | 43°02.18'N | 43°31.71'N | 17:36:56 | 50.8 | 135.8 | 106.8 | 02m20.6s |
| 110°07.5'W | 44°00.04'N | 43°00.95'N | 43°30.50'N | 17:37:09 | 50.9 | 136.0 | 106.9 | 02m20.8s |

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| Longitude | Latitude of: | | | Circumstances on Central Line | | | | |
|------------|-------------------|-------------------|-----------------|-------------------------------|-----------------|-----------------|---------------------|-------------------|
| | Northern Limit | Southern Limit | Central Line | Universal Time h m s | Sun Alt ° | Sun Az. ° | Path Width km | Central Durat. |
| 110°00.0'W | 43°58.86'N | 42°59.71'N | 43°29.29'N | 17:37:22 | 51.0 | 136.2 | 106.9 | 02m21.0s |
| 109°52.5'W | 43°57.66'N | 42°58.46'N | 43°28.07'N | 17:37:34 | 51.1 | 136.4 | 107.0 | 02m21.2s |
| 109°45.0'W | 43°56.46'N | 42°57.20'N | 43°26.84'N | 17:37:47 | 51.2 | 136.6 | 107.1 | 02m21.4s |
| 109°37.5'W | 43°55.25'N | 42°55.93'N | 43°25.60'N | 17:38:00 | 51.3 | 136.9 | 107.1 | 02m21.6s |
| 109°30.0'W | 43°54.03'N | 42°54.66'N | 43°24.35'N | 17:38:13 | 51.4 | 137.1 | 107.2 | 02m21.8s |
| 109°22.5'W | 43°52.79'N | 42°53.37'N | 43°23.09'N | 17:38:26 | 51.5 | 137.3 | 107.2 | 02m21.9s |
| 109°15.0'W | 43°51.55'N | 42°52.07'N | 43°21.82'N | 17:38:39 | 51.6 | 137.5 | 107.3 | 02m22.1s |
| 109°07.5'W | 43°50.30'N | 42°50.76'N | 43°20.55'N | 17:38:52 | 51.8 | 137.8 | 107.4 | 02m22.3s |
| 109°00.0'W | 43°49.04'N | 42°49.45'N | 43°19.26'N | 17:39:05 | 51.9 | 138.0 | 107.4 | 02m22.5s |
| 108°52.5'W | 43°47.77'N | 42°48.12'N | 43°17.96'N | 17:39:18 | 52.0 | 138.2 | 107.5 | 02m22.7s |
| 108°45.0'W | 43°46.49'N | 42°46.78'N | 43°16.65'N | 17:39:31 | 52.1 | 138.4 | 107.5 | 02m22.9s |
| 108°37.5'W | 43°45.20'N | 42°45.44'N | 43°15.33'N | 17:39:44 | 52.2 | 138.7 | 107.6 | 02m23.0s |
| 108°30.0'W | 43°43.90'N | 42°44.08'N | 43°14.00'N | 17:39:57 | 52.3 | 138.9 | 107.7 | 02m23.2s |
| 108°22.5'W | 43°42.59'N | 42°42.72'N | 43°12.67'N | 17:40:10 | 52.4 | 139.1 | 107.7 | 02m23.4s |
| 108°15.0'W | 43°41.27'N | 42°41.34'N | 43°11.32'N | 17:40:24 | 52.5 | 139.4 | 107.8 | 02m23.6s |
| 108°07.5'W | 43°39.94'N | 42°39.95'N | 43°09.96'N | 17:40:37 | 52.6 | 139.6 | 107.8 | 02m23.8s |
| 108°00.0'W | 43°38.61'N | 42°38.56'N | 43°08.60'N | 17:40:50 | 52.7 | 139.8 | 107.9 | 02m23.9s |
| 107°52.5'W | 43°37.26'N | 42°37.15'N | 43°07.22'N | 17:41:04 | 52.8 | 140.1 | 107.9 | 02m24.1s |
| 107°45.0'W | 43°35.90'N | 42°35.74'N | 43°05.83'N | 17:41:17 | 52.9 | 140.3 | 108.0 | 02m24.3s |
| 107°37.5'W | 43°34.53'N | 42°34.31'N | 43°04.43'N | 17:41:30 | 53.0 | 140.6 | 108.1 | 02m24.5s |
| 107°30.0'W | 43°33.15'N | 42°32.87'N | 43°03.03'N | 17:41:44 | 53.1 | 140.8 | 108.1 | 02m24.6s |
| 107°22.5'W | 43°31.76'N | 42°31.43'N | 43°01.61'N | 17:41:57 | 53.2 | 141.0 | 108.2 | 02m24.8s |
| 107°15.0'W | 43°30.36'N | 42°29.97'N | 43°00.18'N | 17:42:11 | 53.3 | 141.3 | 108.2 | 02m25.0s |
| 107°07.5'W | 43°28.95'N | 42°28.50'N | 42°58.74'N | 17:42:24 | 53.4 | 141.5 | 108.3 | 02m25.2s |
| 107°00.0'W | 43°27.54'N | 42°27.03'N | 42°57.30'N | 17:42:38 | 53.5 | 141.8 | 108.4 | 02m25.3s |
| 106°52.5'W | 43°26.11'N | 42°25.54'N | 42°55.84'N | 17:42:52 | 53.6 | 142.0 | 108.4 | 02m25.5s |
| 106°45.0'W | 43°24.67'N | 42°24.04'N | 42°54.37'N | 17:43:05 | 53.7 | 142.3 | 108.5 | 02m25.7s |
| 106°37.5'W | 43°23.22'N | 42°22.53'N | 42°52.89'N | 17:43:19 | 53.8 | 142.5 | 108.5 | 02m25.9s |
| 106°30.0'W | 43°21.76'N | 42°21.02'N | 42°51.40'N | 17:43:33 | 53.9 | 142.8 | 108.6 | 02m26.0s |
| 106°22.5'W | 43°20.29'N | 42°19.49'N | 42°49.91'N | 17:43:47 | 54.0 | 143.0 | 108.6 | 02m26.2s |
| 106°15.0'W | 43°18.81'N | 42°17.95'N | 42°48.40'N | 17:44:01 | 54.1 | 143.3 | 108.7 | 02m26.4s |
| 106°07.5'W | 43°17.32'N | 42°16.40'N | 42°46.88'N | 17:44:14 | 54.2 | 143.5 | 108.8 | 02m26.6s |
| 106°00.0'W | 43°15.82'N | 42°14.84'N | 42°45.35'N | 17:44:28 | 54.3 | 143.8 | 108.8 | 02m26.7s |
| 105°52.5'W | 43°14.31'N | 42°13.27'N | 42°43.81'N | 17:44:42 | 54.4 | 144.0 | 108.9 | 02m26.9s |
| 105°45.0'W | 43°12.79'N | 42°11.69'N | 42°42.26'N | 17:44:56 | 54.5 | 144.3 | 108.9 | 02m27.1s |
| 105°37.5'W | 43°11.26'N | 42°10.10'N | 42°40.70'N | 17:45:10 | 54.6 | 144.5 | 109.0 | 02m27.2s |
| 105°30.0'W | 43°09.72'N | 42°08.50'N | 42°39.13'N | 17:45:24 | 54.7 | 144.8 | 109.0 | 02m27.4s |
| 105°22.5'W | 43°08.17'N | 42°06.89'N | 42°37.54'N | 17:45:38 | 54.8 | 145.1 | 109.1 | 02m27.6s |
| 105°15.0'W | 43°06.60'N | 42°05.26'N | 42°35.95'N | 17:45:53 | 54.9 | 145.3 | 109.1 | 02m27.7s |
| 105°07.5'W | 43°05.03'N | 42°03.63'N | 42°34.35'N | 17:46:07 | 55.0 | 145.6 | 109.2 | 02m27.9s |

Table 7c: Mapping Coordinates for the Path of Totality

| Longitude | Latitude of: | | | Circumstances on Central Line | | | | |
|------------|-------------------|-------------------|-----------------|-------------------------------|-----------------|-----------------|---------------------|-------------------|
| | Northern Limit | Southern Limit | Central Line | Universal Time h m s | Sun Alt ° | Sun Az. ° | Path Width km | Central Durat. |
| 105°00.0'W | 43°03.45'N | 42°01.99'N | 42°32.74'N | 17:46:21 | 55.1 | 145.8 | 109.3 | 02m28.1s |
| 104°52.5'W | 43°01.85'N | 42°00.33'N | 42°31.11'N | 17:46:35 | 55.2 | 146.1 | 109.3 | 02m28.2s |
| 104°45.0'W | 43°00.25'N | 41°58.67'N | 42°29.48'N | 17:46:50 | 55.3 | 146.4 | 109.4 | 02m28.4s |
| 104°37.5'W | 42°58.64'N | 41°56.99'N | 42°27.83'N | 17:47:04 | 55.4 | 146.6 | 109.4 | 02m28.6s |
| 104°30.0'W | 42°57.01'N | 41°55.31'N | 42°26.18'N | 17:47:18 | 55.5 | 146.9 | 109.5 | 02m28.7s |
| 104°22.5'W | 42°55.38'N | 41°53.61'N | 42°24.51'N | 17:47:33 | 55.6 | 147.2 | 109.5 | 02m28.9s |
| 104°15.0'W | 42°53.73'N | 41°51.90'N | 42°22.84'N | 17:47:47 | 55.7 | 147.4 | 109.6 | 02m29.0s |
| 104°07.5'W | 42°52.07'N | 41°50.19'N | 42°21.15'N | 17:48:02 | 55.8 | 147.7 | 109.6 | 02m29.2s |
| 104°00.0'W | 42°50.41'N | 41°48.46'N | 42°19.45'N | 17:48:16 | 55.9 | 148.0 | 109.7 | 02m29.4s |
| 103°52.5'W | 42°48.73'N | 41°46.72'N | 42°17.74'N | 17:48:31 | 56.0 | 148.3 | 109.7 | 02m29.5s |
| 103°45.0'W | 42°47.04'N | 41°44.97'N | 42°16.02'N | 17:48:45 | 56.1 | 148.5 | 109.8 | 02m29.7s |
| 103°37.5'W | 42°45.34'N | 41°43.21'N | 42°14.29'N | 17:49:00 | 56.2 | 148.8 | 109.8 | 02m29.8s |
| 103°30.0'W | 42°43.63'N | 41°41.43'N | 42°12.55'N | 17:49:15 | 56.3 | 149.1 | 109.9 | 02m30.0s |
| 103°22.5'W | 42°41.91'N | 41°39.65'N | 42°10.80'N | 17:49:29 | 56.4 | 149.4 | 110.0 | 02m30.1s |
| 103°15.0'W | 42°40.18'N | 41°37.86'N | 42°09.04'N | 17:49:44 | 56.5 | 149.7 | 110.0 | 02m30.3s |
| 103°07.5'W | 42°38.43'N | 41°36.05'N | 42°07.26'N | 17:49:59 | 56.5 | 149.9 | 110.1 | 02m30.4s |
| 103°00.0'W | 42°36.68'N | 41°34.23'N | 42°05.48'N | 17:50:14 | 56.6 | 150.2 | 110.1 | 02m30.6s |
| 102°52.5'W | 42°34.92'N | 41°32.41'N | 42°03.68'N | 17:50:29 | 56.7 | 150.5 | 110.2 | 02m30.8s |
| 102°45.0'W | 42°33.14'N | 41°30.57'N | 42°01.88'N | 17:50:43 | 56.8 | 150.8 | 110.2 | 02m30.9s |
| 102°37.5'W | 42°31.35'N | 41°28.72'N | 42°00.06'N | 17:50:58 | 56.9 | 151.1 | 110.3 | 02m31.1s |
| 102°30.0'W | 42°29.56'N | 41°26.86'N | 41°58.23'N | 17:51:13 | 57.0 | 151.4 | 110.3 | 02m31.2s |
| 102°22.5'W | 42°27.75'N | 41°24.99'N | 41°56.39'N | 17:51:28 | 57.1 | 151.7 | 110.4 | 02m31.4s |
| 102°15.0'W | 42°25.93'N | 41°23.11'N | 41°54.54'N | 17:51:44 | 57.2 | 152.0 | 110.4 | 02m31.5s |
| 102°07.5'W | 42°24.10'N | 41°21.21'N | 41°52.68'N | 17:51:59 | 57.3 | 152.3 | 110.5 | 02m31.6s |
| 102°00.0'W | 42°22.26'N | 41°19.31'N | 41°50.80'N | 17:52:14 | 57.4 | 152.6 | 110.5 | 02m31.8s |
| 101°52.5'W | 42°20.41'N | 41°17.39'N | 41°48.92'N | 17:52:29 | 57.5 | 152.9 | 110.6 | 02m31.9s |
| 101°45.0'W | 42°18.54'N | 41°15.46'N | 41°47.03'N | 17:52:44 | 57.6 | 153.2 | 110.6 | 02m32.1s |
| 101°37.5'W | 42°16.67'N | 41°13.53'N | 41°45.12'N | 17:52:59 | 57.7 | 153.5 | 110.7 | 02m32.2s |
| 101°30.0'W | 42°14.78'N | 41°11.58'N | 41°43.20'N | 17:53:15 | 57.8 | 153.8 | 110.7 | 02m32.4s |
| 101°22.5'W | 42°12.89'N | 41°09.62'N | 41°41.27'N | 17:53:30 | 57.8 | 154.1 | 110.8 | 02m32.5s |
| 101°15.0'W | 42°10.98'N | 41°07.64'N | 41°39.33'N | 17:53:46 | 57.9 | 154.4 | 110.8 | 02m32.6s |
| 101°07.5'W | 42°09.06'N | 41°05.66'N | 41°37.38'N | 17:54:01 | 58.0 | 154.7 | 110.9 | 02m32.8s |
| 101°00.0'W | 42°07.13'N | 41°03.67'N | 41°35.42'N | 17:54:16 | 58.1 | 155.0 | 110.9 | 02m32.9s |
| 100°52.5'W | 42°05.19'N | 41°01.66'N | 41°33.45'N | 17:54:32 | 58.2 | 155.3 | 111.0 | 02m33.1s |
| 100°45.0'W | 42°03.24'N | 40°59.64'N | 41°31.46'N | 17:54:47 | 58.3 | 155.6 | 111.0 | 02m33.2s |
| 100°37.5'W | 42°01.27'N | 40°57.61'N | 41°29.47'N | 17:55:03 | 58.4 | 155.9 | 111.1 | 02m33.3s |
| 100°30.0'W | 41°59.30'N | 40°55.57'N | 41°27.46'N | 17:55:19 | 58.5 | 156.2 | 111.1 | 02m33.5s |
| 100°22.5'W | 41°57.31'N | 40°53.52'N | 41°25.44'N | 17:55:34 | 58.6 | 156.6 | 111.2 | 02m33.6s |
| 100°15.0'W | 41°55.31'N | 40°51.46'N | 41°23.41'N | 17:55:50 | 58.6 | 156.9 | 111.2 | 02m33.7s |
| 100°07.5'W | 41°53.30'N | 40°49.38'N | 41°21.37'N | 17:56:06 | 58.7 | 157.2 | 111.3 | 02m33.9s |

Table 7c: Mapping Coordinates for the Path of Totality

| Longitude | Latitude of: | | | Circumstances on Central Line | | | | |
|------------|-------------------|-------------------|-----------------|-------------------------------|-----------------|-----------------|---------------------|-------------------|
| | Northern Limit | Southern Limit | Central Line | Universal Time h m s | Sun Alt ° | Sun Az. ° | Path Width km | Central Durat. |
| 100°00.0'W | 41°51.28'N | 40°47.30'N | 41°19.31'N | 17:56:22 | 58.8 | 157.5 | 111.3 | 02m34.0s |
| 099°52.5'W | 41°49.25'N | 40°45.20'N | 41°17.25'N | 17:56:37 | 58.9 | 157.9 | 111.4 | 02m34.1s |
| 099°45.0'W | 41°47.21'N | 40°43.09'N | 41°15.17'N | 17:56:53 | 59.0 | 158.2 | 111.4 | 02m34.3s |
| 099°37.5'W | 41°45.15'N | 40°40.97'N | 41°13.08'N | 17:57:09 | 59.1 | 158.5 | 111.4 | 02m34.4s |
| 099°30.0'W | 41°43.08'N | 40°38.84'N | 41°10.98'N | 17:57:25 | 59.2 | 158.8 | 111.5 | 02m34.5s |
| 099°22.5'W | 41°41.01'N | 40°36.69'N | 41°08.87'N | 17:57:41 | 59.2 | 159.2 | 111.5 | 02m34.6s |
| 099°15.0'W | 41°38.92'N | 40°34.54'N | 41°06.75'N | 17:57:57 | 59.3 | 159.5 | 111.6 | 02m34.8s |
| 099°07.5'W | 41°36.82'N | 40°32.37'N | 41°04.62'N | 17:58:13 | 59.4 | 159.8 | 111.6 | 02m34.9s |
| 099°00.0'W | 41°34.70'N | 40°30.19'N | 41°02.47'N | 17:58:29 | 59.5 | 160.2 | 111.7 | 02m35.0s |
| 098°52.5'W | 41°32.58'N | 40°28.00'N | 41°00.31'N | 17:58:46 | 59.6 | 160.5 | 111.7 | 02m35.1s |
| 098°45.0'W | 41°30.44'N | 40°25.80'N | 40°58.14'N | 17:59:02 | 59.7 | 160.8 | 111.8 | 02m35.3s |
| 098°37.5'W | 41°28.30'N | 40°23.58'N | 40°55.96'N | 17:59:18 | 59.7 | 161.2 | 111.8 | 02m35.4s |
| 098°30.0'W | 41°26.14'N | 40°21.36'N | 40°53.77'N | 17:59:34 | 59.8 | 161.5 | 111.9 | 02m35.5s |
| 098°22.5'W | 41°23.96'N | 40°19.12'N | 40°51.57'N | 17:59:51 | 59.9 | 161.9 | 111.9 | 02m35.6s |
| 098°15.0'W | 41°21.78'N | 40°16.87'N | 40°49.35'N | 18:00:07 | 60.0 | 162.2 | 111.9 | 02m35.7s |
| 098°07.5'W | 41°19.59'N | 40°14.61'N | 40°47.12'N | 18:00:23 | 60.1 | 162.6 | 112.0 | 02m35.8s |
| 098°00.0'W | 41°17.38'N | 40°12.33'N | 40°44.88'N | 18:00:40 | 60.1 | 162.9 | 112.0 | 02m35.9s |
| 097°52.5'W | 41°15.16'N | 40°10.05'N | 40°42.63'N | 18:00:56 | 60.2 | 163.3 | 112.1 | 02m36.1s |
| 097°45.0'W | 41°12.93'N | 40°07.75'N | 40°40.37'N | 18:01:13 | 60.3 | 163.6 | 112.1 | 02m36.2s |
| 097°37.5'W | 41°10.69'N | 40°05.44'N | 40°38.09'N | 18:01:29 | 60.4 | 164.0 | 112.2 | 02m36.3s |
| 097°30.0'W | 41°08.44'N | 40°03.12'N | 40°35.81'N | 18:01:46 | 60.5 | 164.3 | 112.2 | 02m36.4s |
| 097°22.5'W | 41°06.17'N | 40°00.79'N | 40°33.51'N | 18:02:02 | 60.5 | 164.7 | 112.3 | 02m36.5s |
| 097°15.0'W | 41°03.90'N | 39°58.45'N | 40°31.20'N | 18:02:19 | 60.6 | 165.1 | 112.3 | 02m36.6s |
| 097°07.5'W | 41°01.61'N | 39°56.09'N | 40°28.87'N | 18:02:36 | 60.7 | 165.4 | 112.3 | 02m36.7s |
| 097°00.0'W | 40°59.31'N | 39°53.72'N | 40°26.54'N | 18:02:53 | 60.8 | 165.8 | 112.4 | 02m36.8s |
| 096°52.5'W | 40°56.99'N | 39°51.34'N | 40°24.19'N | 18:03:09 | 60.8 | 166.2 | 112.4 | 02m36.9s |
| 096°45.0'W | 40°54.67'N | 39°48.95'N | 40°21.83'N | 18:03:26 | 60.9 | 166.5 | 112.5 | 02m37.0s |
| 096°37.5'W | 40°52.33'N | 39°46.54'N | 40°19.46'N | 18:03:43 | 61.0 | 166.9 | 112.5 | 02m37.1s |
| 096°30.0'W | 40°49.98'N | 39°44.13'N | 40°17.08'N | 18:04:00 | 61.1 | 167.3 | 112.5 | 02m37.2s |
| 096°22.5'W | 40°47.62'N | 39°41.70'N | 40°14.69'N | 18:04:17 | 61.1 | 167.6 | 112.6 | 02m37.3s |
| 096°15.0'W | 40°45.25'N | 39°39.26'N | 40°12.28'N | 18:04:34 | 61.2 | 168.0 | 112.6 | 02m37.4s |
| 096°07.5'W | 40°42.87'N | 39°36.81'N | 40°09.86'N | 18:04:51 | 61.3 | 168.4 | 112.7 | 02m37.5s |
| 096°00.0'W | 40°40.47'N | 39°34.34'N | 40°07.43'N | 18:05:08 | 61.3 | 168.8 | 112.7 | 02m37.6s |
| 095°52.5'W | 40°38.06'N | 39°31.87'N | 40°04.99'N | 18:05:25 | 61.4 | 169.2 | 112.8 | 02m37.7s |
| 095°45.0'W | 40°35.64'N | 39°29.38'N | 40°02.53'N | 18:05:42 | 61.5 | 169.6 | 112.8 | 02m37.8s |
| 095°37.5'W | 40°33.21'N | 39°26.88'N | 40°00.07'N | 18:06:00 | 61.5 | 169.9 | 112.8 | 02m37.8s |
| 095°30.0'W | 40°30.76'N | 39°24.36'N | 39°57.59'N | 18:06:17 | 61.6 | 170.3 | 112.9 | 02m37.9s |
| 095°22.5'W | 40°28.31'N | 39°21.84'N | 39°55.10'N | 18:06:34 | 61.7 | 170.7 | 112.9 | 02m38.0s |
| 095°15.0'W | 40°25.84'N | 39°19.30'N | 39°52.60'N | 18:06:51 | 61.7 | 171.1 | 112.9 | 02m38.1s |
| 095°07.5'W | 40°23.36'N | 39°16.75'N | 39°50.08'N | 18:07:09 | 61.8 | 171.5 | 113.0 | 02m38.2s |

Table 7c: Mapping Coordinates for the Path of Totality

| Longitude | Latitude of: | | | Circumstances on Central Line | | | | |
|------------|-------------------|-------------------|-----------------|-------------------------------|-----------------|-----------------|---------------------|-------------------|
| | Northern Limit | Southern Limit | Central Line | Universal Time h m s | Sun Alt ° | Sun Az. ° | Path Width km | Central Durat. |
| 095°00.0'W | 40°20.86'N | 39°14.19'N | 39°47.55'N | 18:07:26 | 61.9 | 171.9 | 113.0 | 02m38.3s |
| 094°52.5'W | 40°18.36'N | 39°11.62'N | 39°45.01'N | 18:07:44 | 61.9 | 172.3 | 113.1 | 02m38.3s |
| 094°45.0'W | 40°15.84'N | 39°09.03'N | 39°42.46'N | 18:08:01 | 62.0 | 172.7 | 113.1 | 02m38.4s |
| 094°37.5'W | 40°13.31'N | 39°06.43'N | 39°39.90'N | 18:08:19 | 62.0 | 173.1 | 113.1 | 02m38.5s |
| 094°30.0'W | 40°10.77'N | 39°03.82'N | 39°37.32'N | 18:08:36 | 62.1 | 173.5 | 113.2 | 02m38.6s |
| 094°22.5'W | 40°08.21'N | 39°01.20'N | 39°34.73'N | 18:08:54 | 62.2 | 173.9 | 113.2 | 02m38.7s |
| 094°15.0'W | 40°05.65'N | 38°58.57'N | 39°32.13'N | 18:09:11 | 62.2 | 174.3 | 113.2 | 02m38.7s |
| 094°07.5'W | 40°03.07'N | 38°55.92'N | 39°29.52'N | 18:09:29 | 62.3 | 174.7 | 113.3 | 02m38.8s |
| 094°00.0'W | 40°00.48'N | 38°53.26'N | 39°26.89'N | 18:09:47 | 62.3 | 175.1 | 113.3 | 02m38.9s |
| 093°52.5'W | 39°57.87'N | 38°50.59'N | 39°24.26'N | 18:10:04 | 62.4 | 175.5 | 113.4 | 02m38.9s |
| 093°45.0'W | 39°55.26'N | 38°47.91'N | 39°21.61'N | 18:10:22 | 62.5 | 176.0 | 113.4 | 02m39.0s |
| 093°37.5'W | 39°52.63'N | 38°45.21'N | 39°18.95'N | 18:10:40 | 62.5 | 176.4 | 113.4 | 02m39.1s |
| 093°30.0'W | 39°49.99'N | 38°42.50'N | 39°16.27'N | 18:10:58 | 62.6 | 176.8 | 113.5 | 02m39.1s |
| 093°22.5'W | 39°47.34'N | 38°39.78'N | 39°13.59'N | 18:11:16 | 62.6 | 177.2 | 113.5 | 02m39.2s |
| 093°15.0'W | 39°44.67'N | 38°37.05'N | 39°10.89'N | 18:11:34 | 62.7 | 177.6 | 113.5 | 02m39.2s |
| 093°07.5'W | 39°42.00'N | 38°34.31'N | 39°08.18'N | 18:11:52 | 62.7 | 178.0 | 113.6 | 02m39.3s |
| 093°00.0'W | 39°39.31'N | 38°31.55'N | 39°05.45'N | 18:12:10 | 62.8 | 178.5 | 113.6 | 02m39.4s |
| 092°52.5'W | 39°36.61'N | 38°28.78'N | 39°02.72'N | 18:12:28 | 62.8 | 178.9 | 113.6 | 02m39.4s |
| 092°45.0'W | 39°33.89'N | 38°26.00'N | 38°59.97'N | 18:12:46 | 62.9 | 179.3 | 113.7 | 02m39.5s |
| 092°37.5'W | 39°31.17'N | 38°23.21'N | 38°57.21'N | 18:13:04 | 62.9 | 179.8 | 113.7 | 02m39.5s |
| 092°30.0'W | 39°28.43'N | 38°20.40'N | 38°54.44'N | 18:13:22 | 63.0 | 180.2 | 113.7 | 02m39.6s |
| 092°22.5'W | 39°25.68'N | 38°17.58'N | 38°51.65'N | 18:13:40 | 63.0 | 180.6 | 113.8 | 02m39.6s |
| 092°15.0'W | 39°22.91'N | 38°14.75'N | 38°48.86'N | 18:13:59 | 63.0 | 181.1 | 113.8 | 02m39.7s |
| 092°07.5'W | 39°20.14'N | 38°11.91'N | 38°46.05'N | 18:14:17 | 63.1 | 181.5 | 113.8 | 02m39.7s |
| 092°00.0'W | 39°17.35'N | 38°09.06'N | 38°43.23'N | 18:14:35 | 63.1 | 181.9 | 113.9 | 02m39.8s |
| 091°52.5'W | 39°14.55'N | 38°06.19'N | 38°40.39'N | 18:14:54 | 63.2 | 182.4 | 113.9 | 02m39.8s |
| 091°45.0'W | 39°11.74'N | 38°03.31'N | 38°37.55'N | 18:15:12 | 63.2 | 182.8 | 113.9 | 02m39.8s |
| 091°37.5'W | 39°08.91'N | 38°00.42'N | 38°34.69'N | 18:15:31 | 63.3 | 183.3 | 114.0 | 02m39.9s |
| 091°30.0'W | 39°06.08'N | 37°57.51'N | 38°31.82'N | 18:15:49 | 63.3 | 183.7 | 114.0 | 02m39.9s |
| 091°22.5'W | 39°03.23'N | 37°54.60'N | 38°28.94'N | 18:16:07 | 63.3 | 184.1 | 114.0 | 02m39.9s |
| 091°15.0'W | 39°00.37'N | 37°51.67'N | 38°26.04'N | 18:16:26 | 63.4 | 184.6 | 114.0 | 02m40.0s |
| 091°07.5'W | 38°57.49'N | 37°48.73'N | 38°23.13'N | 18:16:45 | 63.4 | 185.0 | 114.1 | 02m40.0s |
| 091°00.0'W | 38°54.60'N | 37°45.78'N | 38°20.21'N | 18:17:03 | 63.4 | 185.5 | 114.1 | 02m40.0s |
| 090°52.5'W | 38°51.71'N | 37°42.81'N | 38°17.28'N | 18:17:22 | 63.5 | 185.9 | 114.1 | 02m40.1s |
| 090°45.0'W | 38°48.79'N | 37°39.84'N | 38°14.34'N | 18:17:41 | 63.5 | 186.4 | 114.2 | 02m40.1s |
| 090°37.5'W | 38°45.87'N | 37°36.85'N | 38°11.38'N | 18:17:59 | 63.5 | 186.9 | 114.2 | 02m40.1s |
| 090°30.0'W | 38°42.94'N | 37°33.85'N | 38°08.41'N | 18:18:18 | 63.6 | 187.3 | 114.2 | 02m40.1s |
| 090°22.5'W | 38°39.99'N | 37°30.83'N | 38°05.43'N | 18:18:37 | 63.6 | 187.8 | 114.2 | 02m40.2s |
| 090°15.0'W | 38°37.03'N | 37°27.81'N | 38°02.44'N | 18:18:56 | 63.6 | 188.2 | 114.3 | 02m40.2s |
| 090°07.5'W | 38°34.05'N | 37°24.77'N | 37°59.43'N | 18:19:15 | 63.6 | 188.7 | 114.3 | 02m40.2s |

Table 7c: Mapping Coordinates for the Path of Totality

| Longitude | Latitude of: | | | Circumstances on Central Line | | | | |
|------------|-------------------|-------------------|-----------------|-------------------------------|-----------------|-----------------|---------------------|-------------------|
| | Northern Limit | Southern Limit | Central Line | Universal Time h m s | Sun Alt ° | Sun Az. ° | Path Width km | Central Durat. |
| 090°00.0'W | 38°31.07'N | 37°21.72'N | 37°56.42'N | 18:19:33 | 63.7 | 189.2 | 114.3 | 02m40.2s |
| 089°52.5'W | 38°28.07'N | 37°18.66'N | 37°53.39'N | 18:19:52 | 63.7 | 189.6 | 114.3 | 02m40.2s |
| 089°45.0'W | 38°25.06'N | 37°15.59'N | 37°50.34'N | 18:20:11 | 63.7 | 190.1 | 114.4 | 02m40.2s |
| 089°37.5'W | 38°22.04'N | 37°12.50'N | 37°47.29'N | 18:20:30 | 63.7 | 190.5 | 114.4 | 02m40.2s |
| 089°30.0'W | 38°19.00'N | 37°09.40'N | 37°44.22'N | 18:20:49 | 63.7 | 191.0 | 114.4 | 02m40.2s |
| 089°22.5'W | 38°15.96'N | 37°06.29'N | 37°41.14'N | 18:21:08 | 63.8 | 191.5 | 114.4 | 02m40.2s |
| 089°15.0'W | 38°12.90'N | 37°03.17'N | 37°38.05'N | 18:21:28 | 63.8 | 191.9 | 114.5 | 02m40.3s |
| 089°07.5'W | 38°09.83'N | 37°00.04'N | 37°34.95'N | 18:21:47 | 63.8 | 192.4 | 114.5 | 02m40.3s |
| 089°00.0'W | 38°06.75'N | 36°56.89'N | 37°31.84'N | 18:22:06 | 63.8 | 192.9 | 114.5 | 02m40.3s |
| 088°52.5'W | 38°03.65'N | 36°53.73'N | 37°28.71'N | 18:22:25 | 63.8 | 193.4 | 114.5 | 02m40.2s |
| 088°45.0'W | 38°00.54'N | 36°50.56'N | 37°25.57'N | 18:22:44 | 63.8 | 193.8 | 114.6 | 02m40.2s |
| 088°37.5'W | 37°57.42'N | 36°47.38'N | 37°22.42'N | 18:23:04 | 63.9 | 194.3 | 114.6 | 02m40.2s |
| 088°30.0'W | 37°54.29'N | 36°44.19'N | 37°19.26'N | 18:23:23 | 63.9 | 194.8 | 114.6 | 02m40.2s |
| 088°22.5'W | 37°51.15'N | 36°40.98'N | 37°16.08'N | 18:23:42 | 63.9 | 195.2 | 114.6 | 02m40.2s |
| 088°15.0'W | 37°47.99'N | 36°37.77'N | 37°12.90'N | 18:24:02 | 63.9 | 195.7 | 114.6 | 02m40.2s |
| 088°07.5'W | 37°44.82'N | 36°34.54'N | 37°09.70'N | 18:24:21 | 63.9 | 196.2 | 114.7 | 02m40.2s |
| 088°00.0'W | 37°41.64'N | 36°31.30'N | 37°06.49'N | 18:24:40 | 63.9 | 196.7 | 114.7 | 02m40.2s |
| 087°52.5'W | 37°38.45'N | 36°28.05'N | 37°03.26'N | 18:25:00 | 63.9 | 197.2 | 114.7 | 02m40.2s |
| 087°45.0'W | 37°35.25'N | 36°24.78'N | 37°00.03'N | 18:25:19 | 63.9 | 197.6 | 114.7 | 02m40.1s |
| 087°37.5'W | 37°32.03'N | 36°21.51'N | 36°56.78'N | 18:25:39 | 63.9 | 198.1 | 114.7 | 02m40.1s |
| 087°30.0'W | 37°28.80'N | 36°18.22'N | 36°53.52'N | 18:25:58 | 63.9 | 198.6 | 114.8 | 02m40.1s |
| 087°22.5'W | 37°25.56'N | 36°14.92'N | 36°50.25'N | 18:26:18 | 63.9 | 199.1 | 114.8 | 02m40.1s |
| 087°15.0'W | 37°22.31'N | 36°11.61'N | 36°46.97'N | 18:26:38 | 63.9 | 199.5 | 114.8 | 02m40.0s |
| 087°07.5'W | 37°19.04'N | 36°08.29'N | 36°43.68'N | 18:26:57 | 63.9 | 200.0 | 114.8 | 02m40.0s |
| 087°00.0'W | 37°15.77'N | 36°04.96'N | 36°40.37'N | 18:27:17 | 63.9 | 200.5 | 114.8 | 02m40.0s |
| 086°52.5'W | 37°12.48'N | 36°01.61'N | 36°37.06'N | 18:27:37 | 63.9 | 201.0 | 114.9 | 02m39.9s |
| 086°45.0'W | 37°09.18'N | 35°58.26'N | 36°33.73'N | 18:27:56 | 63.9 | 201.5 | 114.9 | 02m39.9s |
| 086°37.5'W | 37°05.87'N | 35°54.89'N | 36°30.39'N | 18:28:16 | 63.9 | 201.9 | 114.9 | 02m39.9s |
| 086°30.0'W | 37°02.54'N | 35°51.51'N | 36°27.04'N | 18:28:36 | 63.8 | 202.4 | 114.9 | 02m39.8s |
| 086°22.5'W | 36°59.21'N | 35°48.12'N | 36°23.67'N | 18:28:56 | 63.8 | 202.9 | 114.9 | 02m39.8s |
| 086°15.0'W | 36°55.86'N | 35°44.72'N | 36°20.30'N | 18:29:16 | 63.8 | 203.4 | 114.9 | 02m39.7s |
| 086°07.5'W | 36°52.50'N | 35°41.30'N | 36°16.91'N | 18:29:35 | 63.8 | 203.9 | 114.9 | 02m39.7s |
| 086°00.0'W | 36°49.13'N | 35°37.88'N | 36°13.52'N | 18:29:55 | 63.8 | 204.4 | 115.0 | 02m39.6s |
| 085°52.5'W | 36°45.75'N | 35°34.45'N | 36°10.11'N | 18:30:15 | 63.8 | 204.8 | 115.0 | 02m39.6s |
| 085°45.0'W | 36°42.36'N | 35°31.00'N | 36°06.69'N | 18:30:35 | 63.7 | 205.3 | 115.0 | 02m39.5s |
| 085°37.5'W | 36°38.95'N | 35°27.54'N | 36°03.26'N | 18:30:55 | 63.7 | 205.8 | 115.0 | 02m39.5s |
| 085°30.0'W | 36°35.54'N | 35°24.07'N | 35°59.81'N | 18:31:15 | 63.7 | 206.3 | 115.0 | 02m39.4s |
| 085°22.5'W | 36°32.11'N | 35°20.60'N | 35°56.36'N | 18:31:35 | 63.7 | 206.8 | 115.0 | 02m39.4s |
| 085°15.0'W | 36°28.67'N | 35°17.11'N | 35°52.89'N | 18:31:55 | 63.7 | 207.2 | 115.0 | 02m39.3s |
| 085°07.5'W | 36°25.22'N | 35°13.60'N | 35°49.42'N | 18:32:15 | 63.6 | 207.7 | 115.0 | 02m39.2s |

Table 7c: Mapping Coordinates for the Path of Totality

| Longitude | Latitude of: | | | Circumstances on Central Line | | | | |
|------------|-------------------|-------------------|-----------------|-------------------------------|-----------------|-----------------|---------------------|-------------------|
| | Northern Limit | Southern Limit | Central Line | Universal Time h m s | Sun Alt ° | Sun Az. ° | Path Width km | Central Durat. |
| 085°00.0'W | 36°21.76'N | 35°10.09'N | 35°45.93'N | 18:32:35 | 63.6 | 208.2 | 115.0 | 02m39.2s |
| 084°52.5'W | 36°18.28'N | 35°06.57'N | 35°42.43'N | 18:32:55 | 63.6 | 208.7 | 115.0 | 02m39.1s |
| 084°45.0'W | 36°14.80'N | 35°03.04'N | 35°38.92'N | 18:33:16 | 63.5 | 209.1 | 115.1 | 02m39.0s |
| 084°37.5'W | 36°11.30'N | 34°59.49'N | 35°35.40'N | 18:33:36 | 63.5 | 209.6 | 115.1 | 02m38.9s |
| 084°30.0'W | 36°07.80'N | 34°55.94'N | 35°31.87'N | 18:33:56 | 63.5 | 210.1 | 115.1 | 02m38.9s |
| 084°22.5'W | 36°04.28'N | 34°52.38'N | 35°28.33'N | 18:34:16 | 63.4 | 210.6 | 115.1 | 02m38.8s |
| 084°15.0'W | 36°00.75'N | 34°48.80'N | 35°24.78'N | 18:34:36 | 63.4 | 211.0 | 115.1 | 02m38.7s |
| 084°07.5'W | 35°57.21'N | 34°45.21'N | 35°21.21'N | 18:34:57 | 63.4 | 211.5 | 115.1 | 02m38.6s |
| 084°00.0'W | 35°53.66'N | 34°41.62'N | 35°17.64'N | 18:35:17 | 63.3 | 212.0 | 115.1 | 02m38.5s |
| 083°52.5'W | 35°50.10'N | 34°38.01'N | 35°14.05'N | 18:35:37 | 63.3 | 212.5 | 115.1 | 02m38.5s |
| 083°45.0'W | 35°46.52'N | 34°34.40'N | 35°10.46'N | 18:35:57 | 63.2 | 212.9 | 115.1 | 02m38.4s |
| 083°37.5'W | 35°42.94'N | 34°30.77'N | 35°06.85'N | 18:36:18 | 63.2 | 213.4 | 115.1 | 02m38.3s |
| 083°30.0'W | 35°39.35'N | 34°27.13'N | 35°03.24'N | 18:36:38 | 63.2 | 213.9 | 115.1 | 02m38.2s |
| 083°22.5'W | 35°35.74'N | 34°23.49'N | 34°59.61'N | 18:36:58 | 63.1 | 214.3 | 115.1 | 02m38.1s |
| 083°15.0'W | 35°32.13'N | 34°19.83'N | 34°55.97'N | 18:37:19 | 63.1 | 214.8 | 115.1 | 02m38.0s |
| 083°07.5'W | 35°28.50'N | 34°16.16'N | 34°52.33'N | 18:37:39 | 63.0 | 215.3 | 115.1 | 02m37.9s |
| 083°00.0'W | 35°24.86'N | 34°12.49'N | 34°48.67'N | 18:38:00 | 63.0 | 215.7 | 115.1 | 02m37.8s |
| 082°52.5'W | 35°21.22'N | 34°08.80'N | 34°45.00'N | 18:38:20 | 62.9 | 216.2 | 115.1 | 02m37.7s |
| 082°45.0'W | 35°17.56'N | 34°05.11'N | 34°41.33'N | 18:38:40 | 62.9 | 216.7 | 115.1 | 02m37.6s |
| 082°37.5'W | 35°13.89'N | 34°01.40'N | 34°37.64'N | 18:39:01 | 62.8 | 217.1 | 115.1 | 02m37.5s |
| 082°30.0'W | 35°10.21'N | 33°57.69'N | 34°33.94'N | 18:39:21 | 62.7 | 217.6 | 115.1 | 02m37.4s |
| 082°22.5'W | 35°06.52'N | 33°53.96'N | 34°30.23'N | 18:39:42 | 62.7 | 218.0 | 115.1 | 02m37.3s |
| 082°15.0'W | 35°02.83'N | 33°50.23'N | 34°26.52'N | 18:40:02 | 62.6 | 218.5 | 115.1 | 02m37.1s |
| 082°07.5'W | 34°59.12'N | 33°46.48'N | 34°22.79'N | 18:40:23 | 62.6 | 219.0 | 115.1 | 02m37.0s |
| 082°00.0'W | 34°55.40'N | 33°42.73'N | 34°19.05'N | 18:40:43 | 62.5 | 219.4 | 115.1 | 02m36.9s |
| 081°52.5'W | 34°51.67'N | 33°38.97'N | 34°15.31'N | 18:41:04 | 62.4 | 219.9 | 115.1 | 02m36.8s |
| 081°45.0'W | 34°47.93'N | 33°35.20'N | 34°11.55'N | 18:41:24 | 62.4 | 220.3 | 115.1 | 02m36.7s |
| 081°37.5'W | 34°44.19'N | 33°31.42'N | 34°07.79'N | 18:41:45 | 62.3 | 220.8 | 115.1 | 02m36.5s |
| 081°30.0'W | 34°40.43'N | 33°27.63'N | 34°04.02'N | 18:42:05 | 62.2 | 221.2 | 115.1 | 02m36.4s |
| 081°22.5'W | 34°36.66'N | 33°23.84'N | 34°00.23'N | 18:42:26 | 62.2 | 221.7 | 115.1 | 02m36.3s |
| 081°15.0'W | 34°32.88'N | 33°20.03'N | 33°56.44'N | 18:42:47 | 62.1 | 222.1 | 115.1 | 02m36.1s |
| 081°07.5'W | 34°29.10'N | 33°16.22'N | 33°52.64'N | 18:43:07 | 62.0 | 222.5 | 115.1 | 02m36.0s |
| 081°00.0'W | 34°25.30'N | 33°12.39'N | 33°48.83'N | 18:43:28 | 62.0 | 223.0 | 115.1 | 02m35.9s |
| 080°52.5'W | 34°21.50'N | 33°08.56'N | 33°45.01'N | 18:43:48 | 61.9 | 223.4 | 115.1 | 02m35.7s |
| 080°45.0'W | 34°17.68'N | 33°04.72'N | 33°41.18'N | 18:44:09 | 61.8 | 223.9 | 115.0 | 02m35.6s |
| 080°37.5'W | 34°13.86'N | 33°00.87'N | 33°37.35'N | 18:44:30 | 61.7 | 224.3 | 115.0 | 02m35.5s |
| 080°30.0'W | 34°10.03'N | 32°57.02'N | 33°33.50'N | 18:44:50 | 61.7 | 224.7 | 115.0 | 02m35.3s |
| 080°22.5'W | 34°06.19'N | 32°53.15'N | 33°29.65'N | 18:45:11 | 61.6 | 225.2 | 115.0 | 02m35.2s |
| 080°15.0'W | 34°02.34'N | 32°49.28'N | 33°25.79'N | 18:45:32 | 61.5 | 225.6 | 115.0 | 02m35.0s |
| 080°07.5'W | 33°58.48'N | 32°45.40'N | 33°21.91'N | 18:45:52 | 61.4 | 226.0 | 115.0 | 02m34.9s |

Table 7c: Mapping Coordinates for the Path of Totality

| Longitude | Latitude of: | | | Circumstances on Central Line | | | | |
|------------|-------------------|-------------------|-----------------|-------------------------------|-----------------|-----------------|---------------------|-------------------|
| | Northern Limit | Southern Limit | Central Line | Universal Time h m s | Sun Alt ° | Sun Az. ° | Path Width km | Central Durat. |
| 080°00.0'W | 33°54.61'N | 32°41.51'N | 33°18.04'N | 18:46:13 | 61.3 | 226.4 | 115.0 | 02m34.7s |
| 079°52.5'W | 33°50.73'N | 32°37.62'N | 33°14.15'N | 18:46:33 | 61.3 | 226.9 | 115.0 | 02m34.6s |
| 079°45.0'W | 33°46.85'N | 32°33.71'N | 33°10.25'N | 18:46:54 | 61.2 | 227.3 | 114.9 | 02m34.4s |
| 079°37.5'W | 33°42.95'N | 32°29.80'N | 33°06.35'N | 18:47:15 | 61.1 | 227.7 | 114.9 | 02m34.2s |
| 079°30.0'W | 33°39.05'N | 32°25.88'N | 33°02.44'N | 18:47:35 | 61.0 | 228.1 | 114.9 | 02m34.1s |
| 079°22.5'W | 33°35.14'N | 32°21.96'N | 32°58.52'N | 18:47:56 | 60.9 | 228.5 | 114.9 | 02m33.9s |
| 079°15.0'W | 33°31.22'N | 32°18.03'N | 32°54.59'N | 18:48:17 | 60.8 | 228.9 | 114.9 | 02m33.7s |
| 079°07.5'W | 33°27.30'N | 32°14.09'N | 32°50.66'N | 18:48:37 | 60.7 | 229.4 | 114.9 | 02m33.6s |
| 079°00.0'W | 33°23.36'N | 32°10.14'N | 32°46.72'N | 18:48:58 | 60.6 | 229.8 | 114.8 | 02m33.4s |
| 078°52.5'W | 33°19.42'N | 32°06.18'N | 32°42.77'N | 18:49:19 | 60.5 | 230.2 | 114.8 | 02m33.2s |
| 078°45.0'W | 33°15.47'N | 32°02.22'N | 32°38.81'N | 18:49:39 | 60.4 | 230.6 | 114.8 | 02m33.1s |
| 078°37.5'W | 33°11.51'N | 31°58.26'N | 32°34.85'N | 18:50:00 | 60.3 | 231.0 | 114.8 | 02m32.9s |
| 078°30.0'W | 33°07.54'N | 31°54.28'N | 32°30.88'N | 18:50:21 | 60.2 | 231.4 | 114.8 | 02m32.7s |
| 078°22.5'W | 33°03.57'N | 31°50.30'N | 32°26.90'N | 18:50:41 | 60.2 | 231.8 | 114.7 | 02m32.5s |
| 078°15.0'W | 32°59.59'N | 31°46.31'N | 32°22.91'N | 18:51:02 | 60.1 | 232.2 | 114.7 | 02m32.3s |
| 078°07.5'W | 32°55.60'N | 31°42.32'N | 32°18.92'N | 18:51:23 | 60.0 | 232.6 | 114.7 | 02m32.2s |