

SUN

Example: 12:00p.m. Light leaves  
for Earth

- 201,399.98 m.p.s.
- 200,663.42 m.p.s.
- 199,926.86 m.p.s.
- 199,190.3 m.p.s.
- 198,453.74 m.p.s.
- 197,717.18 m.p.s.
- 196,980.62 m.p.s.
- 196,244.06 m.p.s.
- 195,507.5 m.p.s.
- 194,770.94 m.p.s.
- 194,034.38 m.p.s.
- 193,297.82 m.p.s.
- 192,561.26 m.p.s.
- 191,824.70 m.p.s.
- 191,088.14 m.p.s.

332.67134 SECONDS  
DIMENSIONAL CHAN  
343.88636 SECC

VENUS PERIMETER

VENUS

- 194,831.8 mps
- 194,095.24 mps
- 193,358.68 mps
- 192,622.12 mps
- 191,885.56 mps
- 191,149. mps
- 190,412.44 mps
- 189,675.88 mps
- 188,939.32 mps
- 188,202.76 mps
- 187,466.2 mps
- 186,729.64 mps
- 185,993.08 mps
- 185,256.52 mps
- 184,520.00 mps
- 183,783.44 mps
- 183,046.88 mps
- 182,310.32 mps
- 181,573.76 mps
- 180,837.20 mps
- 180,100.64 mps
- 179,364.08 mps
- 178,627.52 mps
- 177,890.96 mps
- 177,154.40 mps
- 176,417.84 mps
- 175,681.28 mps
- 174,944.72 mps
- 174,208.16 mps
- 173,471.60 mps
- 172,735.04 mps
- 171,998.48 mps
- 171,261.92 mps
- 170,525.36 mps
- 169,788.80 mps
- 169,052.24 mps
- 168,315.68 mps
- 167,579.12 mps
- 166,842.56 mps
- 166,106.00 mps
- 165,369.44 mps
- 164,632.88 mps
- 163,896.32 mps
- 163,159.76 mps
- 162,423.20 mps
- 161,686.64 mps
- 160,950.08 mps
- 160,213.52 mps
- 159,476.96 mps
- 158,740.40 mps
- 158,003.84 mps
- 157,267.28 mps
- 156,530.72 mps
- 155,794.16 mps
- 155,057.60 mps
- 154,321.04 mps
- 153,584.48 mps
- 152,847.92 mps
- 152,111.36 mps
- 151,374.80 mps
- 150,638.24 mps
- 149,901.68 mps
- 149,165.12 mps
- 148,428.56 mps
- 147,692.00 mps
- 146,955.44 mps
- 146,218.88 mps
- 145,482.32 mps
- 144,745.76 mps
- 144,009.20 mps
- 143,272.64 mps
- 142,536.08 mps
- 141,799.52 mps
- 141,062.96 mps
- 140,326.40 mps
- 139,589.84 mps
- 138,853.28 mps
- 138,116.72 mps
- 137,380.16 mps
- 136,643.60 mps
- 135,907.04 mps
- 135,170.48 mps
- 134,433.92 mps
- 133,697.36 mps
- 132,960.80 mps
- 132,224.24 mps
- 131,487.68 mps
- 130,751.12 mps
- 130,014.56 mps
- 129,278.00 mps
- 128,541.44 mps
- 127,804.88 mps
- 127,068.32 mps
- 126,331.76 mps
- 125,595.20 mps
- 124,858.64 mps
- 124,122.08 mps
- 123,385.52 mps
- 122,648.96 mps
- 121,912.40 mps
- 121,175.84 mps
- 120,439.28 mps
- 119,702.72 mps
- 118,966.16 mps
- 118,229.60 mps
- 117,493.04 mps
- 116,756.48 mps
- 116,019.92 mps
- 115,283.36 mps
- 114,546.80 mps
- 113,810.24 mps
- 113,073.68 mps
- 112,337.12 mps
- 111,600.56 mps
- 110,864.00 mps
- 110,127.44 mps
- 109,390.88 mps
- 108,654.32 mps
- 107,917.76 mps
- 107,181.20 mps
- 106,444.64 mps
- 105,708.08 mps
- 104,971.52 mps
- 104,234.96 mps
- 103,498.40 mps
- 102,761.84 mps
- 102,025.28 mps
- 101,288.72 mps
- 100,552.16 mps
- 99,815.60 mps
- 99,079.04 mps
- 98,342.48 mps
- 97,605.92 mps
- 96,869.36 mps
- 96,132.80 mps
- 95,396.24 mps
- 94,659.68 mps
- 93,923.12 mps
- 93,186.56 mps
- 92,450.00 mps
- 91,713.44 mps
- 90,976.88 mps
- 90,240.32 mps
- 89,503.76 mps
- 88,767.20 mps
- 88,030.64 mps
- 87,294.08 mps
- 86,557.52 mps
- 85,820.96 mps
- 85,084.40 mps
- 84,347.84 mps
- 83,611.28 mps
- 82,874.72 mps
- 82,138.16 mps
- 81,401.60 mps
- 80,665.04 mps
- 79,928.48 mps
- 79,191.92 mps
- 78,455.36 mps
- 77,718.80 mps
- 76,982.24 mps
- 76,245.68 mps
- 75,509.12 mps
- 74,772.56 mps
- 74,036.00 mps
- 73,299.44 mps
- 72,562.88 mps
- 71,826.32 mps
- 71,089.76 mps
- 70,353.20 mps
- 69,616.64 mps
- 68,880.08 mps
- 68,143.52 mps
- 67,406.96 mps
- 66,670.40 mps
- 65,933.84 mps
- 65,197.28 mps
- 64,460.72 mps
- 63,724.16 mps
- 62,987.60 mps
- 62,251.04 mps
- 61,514.48 mps
- 60,777.92 mps
- 60,041.36 mps
- 59,304.80 mps
- 58,568.24 mps
- 57,831.68 mps
- 57,095.12 mps
- 56,358.56 mps
- 55,622.00 mps
- 54,885.44 mps
- 54,148.88 mps
- 53,412.32 mps
- 52,675.76 mps
- 51,939.20 mps
- 51,202.64 mps
- 50,466.08 mps
- 49,729.52 mps
- 48,992.96 mps
- 48,256.40 mps
- 47,519.84 mps
- 46,783.28 mps
- 46,046.72 mps
- 45,310.16 mps
- 44,573.60 mps
- 43,837.04 mps
- 43,100.48 mps
- 42,363.92 mps
- 41,627.36 mps
- 40,890.80 mps
- 40,154.24 mps
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- 38,681.12 mps
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- 37,208.00 mps
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- 35,734.88 mps
- 34,998.32 mps
- 34,261.76 mps
- 33,525.20 mps
- 32,788.64 mps
- 32,052.08 mps
- 31,315.52 mps
- 30,578.96 mps
- 29,842.40 mps
- 29,105.84 mps
- 28,369.28 mps
- 27,632.72 mps
- 26,896.16 mps
- 26,159.60 mps
- 25,423.04 mps
- 24,686.48 mps
- 23,949.92 mps
- 23,213.36 mps
- 22,476.80 mps
- 21,740.24 mps
- 21,003.68 mps
- 20,267.12 mps
- 19,530.56 mps
- 18,794.00 mps
- 18,057.44 mps
- 17,320.88 mps
- 16,584.32 mps
- 15,847.76 mps
- 15,111.20 mps
- 14,374.64 mps
- 13,638.08 mps
- 12,901.52 mps
- 12,164.96 mps
- 11,428.40 mps
- 10,691.84 mps
- 9,955.28 mps
- 9,218.72 mps
- 8,482.16 mps
- 7,745.60 mps
- 7,009.04 mps
- 6,272.48 mps
- 5,535.92 mps
- 4,799.36 mps
- 4,062.80 mps
- 3,326.24 mps
- 2,589.68 mps
- 1,853.12 mps
- 1,116.56 mps
- 480.00 mps

477.3348 SECONDS

LATER

EARTH POSITION

EARTH

US