

# TABLE OF SOLAR AND LUNAR ECLIPSE DATES

From January 1950 through January 2030 (EST)

T = Total	A = Annular	P = Partial	☉ = Solar Eclipse	☾ = Lunar Eclipse	
☉ ANC	27Ⅹ34	18 Mar 1950	☉ P	27Ⅱ51	20 Sep 1960
☉ T	12Ⅱ29	2 Apr 1950	☉ T	26Ⅲ31	15 Feb 1961
☉ T	18Ⅱ54	11 Sep 1950	☉ P	11Ⅱ41	2 Mar 1961
☉ T	2Ⅱ29	25 Sep 1950	☉ A	18°236	11 Aug 1961
☉ A	16Ⅹ30	7 Mar 1951	☉ P	2Ⅹ36	25 Aug 1961
☉ A	1Ⅱ53	23 Mar 1951	☉ T	15Ⅲ44	4 Feb 1962
☉ A	23Ⅲ34	16 Aug 1951	☉ A	0Ⅱ18	19 Feb 1962
☉ A	8Ⅱ17	1 Sep 1951	☉ A	24Ⅲ32	17 Jul 1962
☉ A	21Ⅹ45	15 Sep 1951	☉ A	7°249	31 Jul 1962
☉ P	21°219	10 Feb 1952	☉ A	22Ⅲ22	15 Aug 1962
☉ T	5Ⅹ40	25 Feb 1952	☉ A	19°05	9 Jan 1963
☉ P	13Ⅲ22	5 Aug 1952	☉ A	4Ⅲ49	25 Jan 1963
☉ A	27°228	20 Aug 1952	☉ P	14Ⅲ09	6 Jul 1963
☉ T	9°249	29 Jan 1953	☉ T	27°20	20 Jul 1963
☉ P	24Ⅲ56	13 Feb 1953	☉ T	8°03	30 Dec 1963
☉ P	18°38	10 Jul 1953	☉ P	23Ⅲ36	14 Jan 1964
☉ T	3Ⅲ12	26 Jul 1953	☉ P	19Ⅱ26	9 Jun 1964
☉ P	16°238	9 Aug 1953	☉ T	3Ⅲ29	24 Jun 1964
☉ A	14Ⅲ19	4 Jan 1954	☉ P	17°07	9 Jul 1964
☉ T	28°27	18 Jan 1954	☉ P	12Ⅹ02	3 Dec 1964
☉ T	8°14	30 Jun 1954	☉ T	27Ⅱ12	18 Dec 1964
☉ P	22Ⅲ52	15 Jul 1954	☉ T	9Ⅱ16	30 May 1965
☉ A	3Ⅲ00	25 Dec 1954	☉ P	22Ⅹ43	13 Jun 1965
☉ A	17°21	8 Jan 1955	☉ A	0Ⅹ42	22 Nov 1965
☉ A	14Ⅹ16	5 Jun 1955	☉ A	16Ⅱ19	8 Dec 1965
☉ T	28Ⅱ04	19 Jun 1955	☉ A	14Ⅲ02	4 May 1966
☉ P	6Ⅱ47	29 Nov 1955	☉ A	28°53	20 May 1966
☉ A	21Ⅹ28	14 Dec 1955	☉ A	5°38	29 Oct 1966
☉ P	3Ⅹ27	24 May 1956	☉ T	19Ⅲ43	12 Nov 1966
☉ T	17Ⅱ56	8 Jun 1956	☉ T	3Ⅲ39	24 Apr 1967
☉ T	25°57	18 Nov 1956	☉ P	18°11	9 May 1967
☉ P	10Ⅹ02	2 Dec 1956	☉ T	24Ⅱ23	18 Oct 1967
☉ ANC	9°29	29 Apr 1957	☉ TNC	9Ⅲ00	2 Nov 1967
☉ T	22Ⅲ51	13 May 1957	☉ P	8Ⅱ25	28 Mar 1968
☉ TNC	29Ⅱ37	22 Oct 1957	☉ T	23Ⅱ17	12 Apr 1968
☉ T	14°53	7 Nov 1957	☉ T	29Ⅱ36	22 Sep 1968
☉ A	14Ⅱ02	3 Apr 1958	☉ T	13Ⅱ15	6 Oct 1968
☉ A	28Ⅱ36	18 Apr 1958	☉ A	27Ⅹ27	17 Mar 1969
☉ P	12Ⅲ27	3 May 1958	☉ A	12Ⅱ43	2 Apr 1969
☉ T	19Ⅱ03	12 Oct 1958	☉ A	4Ⅹ08	27 Aug 1969
☉ A	3°36	27 Oct 1958	☉ A	18Ⅱ55	11 Sep 1969
☉ P	3Ⅱ31	24 Mar 1959	☉ A	2Ⅱ29	25 Sep 1969
☉ A	17Ⅱ31	7 Apr 1959	☉ P	2Ⅱ23	21 Feb 1970
☉ A	23Ⅹ30	16 Sep 1959	☉ T	16Ⅹ42	7 Mar 1970
☉ T	8Ⅱ31	2 Oct 1959	☉ P	23Ⅲ54	16 Aug 1970
☉ T	22Ⅱ48	13 Mar 1960	☉ A	8Ⅱ01	31 Aug 1970
☉ P	6Ⅱ32	27 Mar 1960	☉ T	20°257	10 Feb 1971
☉ T	12Ⅹ54	5 Sep 1960	☉ P	6Ⅹ01	25 Feb 1971

● P 29☾04 22 Jul 1971  
 ● T 13♁41 6 Aug 1971  
 ● P 27♁208 20 Aug 1971  
 ● A 25♁31 16 Jan 1972  
 ● T 9♁237 30 Jan 1972  
 ● T 18☾41 10 Jul 1972  
 ● P 3♁20 26 Jul 1972  
 ● A 14♁12 4 Jan 1973  
 ● A 28☾33 18 Jan 1973  
 ● A 24♁42 15 Jun 1973  
 ● T 8☾31 30 Jun 1973  
 ● A 22♁42 15 Jul 1973  
 ● P 17♁57 9 Dec 1973  
 ● A 2♁38 24 Dec 1973  
 ● P 13♁57 4 Jun 1974  
 ● T 28♁25 19 Jun 1974  
 ● T 7♁03 29 Nov 1974  
 ● P 21♁10 13 Dec 1974  
 ● P 20♁06 11 May 1975  
 ● T 3♁24 25 May 1975  
 ● P 10♁36 3 Nov 1975  
 ● T 25♁55 18 Nov 1975  
 ● A 9♁16 29 Apr 1976  
 ● P 23♁04 13 May 1976  
 ● T 29♁58 23 Oct 1976  
 ● A 14♁34 6 Nov 1976  
 ● P 14♁22 3 Apr 1977  
 ● A 28♁14 18 Apr 1977  
 ● A 4♁13 27 Sep 1977  
 ● T 19♁22 12 Oct 1977  
 ● T 3♁41 24 Mar 1978  
 ● P 17♁20 7 Apr 1978  
 ● T 23♁35 16 Sep 1978  
 ● P 8♁37 2 Oct 1978  
 ● T 7♁35 26 Feb 1979  
 ● P 22♁39 13 Mar 1979  
 ● A 29♁06 22 Aug 1979  
 ● T 13♁13 6 Sep 1979  
 ● T 26♁52 16 Feb 1980  
 ● A 11♁19 1 Mar 1980  
 ● A 5♁00 27 Jul 1980  
 ● A 18♁218 10 Aug 1980  
 ● A 2♁56 25 Aug 1980  
 ● A 0♁217 20 Jan 1981  
 ● A 15♁59 4 Feb 1981  
 ● P 24♁35 16 Jul 1981  
 ● T 7♁248 30 Jul 1981  
 ● T 19☾16 9 Jan 1982  
 ● P 4♁46 24 Jan 1982  
 ● P 29♁55 21 Jun 1982  
 ● T 13♁54 6 Jul 1982

● P 27☾35 20 Jul 1982  
 ● P 23♁11 15 Dec 1982  
 ● T 8☾24 30 Dec 1982  
 ● T 19♁46 10 Jun 1983  
 ● P 3♁09 25 Jun 1983  
 ● A 11♁49 4 Dec 1983  
 ● A 27♁30 19 Dec 1983  
 ● A 24♁38 14 May 1984  
 ● A 9♁25 30 May 1984  
 ● A 22♁36 13 Jun 1984  
 ● A 16♁36 8 Nov 1984  
 ● T 0♁48 22 Nov 1984  
 ● T 14♁19 4 May 1985  
 ● P 28♁44 19 May 1985  
 ● T 5♁17 28 Oct 1985  
 ● T 20♁03 12 Nov 1985  
 ● P 19♁12 9 Apr 1986  
 ● T 4♁01 24 Apr 1986  
 ● AT 10♁22 3 Oct 1986  
 ● T 24♁06 17 Oct 1986  
 ● AT 8♁20 29 Mar 1987  
 ● A 23♁31 13 Apr 1987  
 ● A 29♁35 22 Sep 1987  
 ● A 13♁16 6 Oct 1987  
 ● A 13♁24 3 Mar 1988  
 ● T 27♁39 17 Mar 1988  
 ● P 4♁29 27 Aug 1988  
 ● A 18♁38 10 Sep 1988  
 ● T 2♁00 20 Feb 1989  
 ● P 17♁03 7 Mar 1989  
 ● T 24♁13 16 Aug 1989  
 ● P 7♁41 31 Aug 1989  
 ● A 6♁41 26 Jan 1990  
 ● T 20♁244 9 Feb 1990  
 ● T 29☾09 21 Jul 1990  
 ● P 13♁48 6 Aug 1990  
 ● A 25♁22 15 Jan 1991  
 ● A 9♁244 30 Jan 1991  
 ● A 5♁08 26 Jun 1991  
 ● T 18☾59 11 Jul 1991  
 ● A 3♁08 26 Jul 1991  
 ● P 29♁09 21 Dec 1991  
 ● A 13♁49 4 Jan 1992  
 ● P 24♁24 14 Jun 1992  
 ● T 8☾52 30 Jun 1992  
 ● T 18♁12 9 Dec 1992  
 ● P 2♁21 23 Dec 1992  
 ● P 0♁38 21 May 1993  
 ● T 13♁54 4 Jun 1993  
 ● P 21♁38 13 Nov 1993  
 ● T 7♁01 29 Nov 1993

● A 19♅51 10 May 1994  
 ● P 3♁37 24 May 1994  
 ● T 10♁56 3 Nov 1994  
 ● A 25♅36 18 Nov 1994  
 ● P 25♁10 15 Apr 1995  
 ● A 8♅54 29 Apr 1995  
 ● A 15♁00 8 Oct 1995  
 ● T 0♁15 23 Oct 1995  
 ● T 14♁32 3 Apr 1996  
 ● P 28♁05 17 Apr 1996  
 ● T 4♁19 26 Sep 1996  
 ● P 19♁25 12 Oct 1996  
 ● T 18♁37 8 Mar 1997  
 ● P 3♁32 23 Mar 1997  
 ● P 9♁40 1 Sep 1997  
 ● T 23♁54 16 Sep 1997  
 ● T 7♁56 26 Feb 1998  
 ● A 22♁17 12 Mar 1998  
 ● A 15♁30 7 Aug 1998  
 ● A 28♁249 21 Aug 1998  
 ● A 13♁33 6 Sep 1998  
 ● A 11♁226 31 Jan 1999  
 ● A 27♁05 16 Feb 1999  
 ● P 5♁02 28 Jul 1999  
 ● T 18♁218 11 Aug 1999  
 ● T 0♁228 20 Jan 2000  
 ● P 15♁55 5 Feb 2000  
 ● P 10♁22 1 Jul 2000  
 ● T 24♁20 16 Jul 2000  
 ● P 8♁204 30 Jul 2000  
 ● P 4♁21 25 Dec 2000  
 ● T 19♁37 9 Jan 2001  
 ● T 0♁14 21 Jun 2001  
 ● P 13♁34 5 Jul 2001  
 ● A 22♁59 14 Dec 2001  
 ● A 8♁41 30 Dec 2001  
 ● A 5♁11 26 May 2002  
 ● A 19♁53 10 Jun 2002  
 ● A 3♁03 24 Jun 2002  
 ● A 27♅40 19 Nov 2002  
 ● T 11♁56 4 Dec 2002  
 ● T 24♁55 15 May 2003  
 ● A 9♁14 30 May 2003  
 ● T 16♅16 8 Nov 2003  
 ● T 1♁08 23 Nov 2003  
 ● P 29♁56 19 Apr 2004  
 ● T 14♁40 4 May 2004  
 ● P 21♁12 13 Oct 2004  
 ● T 5♅01 27 Oct 2004  
 ● AT 19♁08 8 Apr 2005  
 ● A 4♁13 24 Apr 2005

● A 10♁21 3 Oct 2005  
 ● P 24♁07 17 Oct 2005  
 ● A 24♁20 14 Mar 2006  
 ● T 8♁32 29 Mar 2006  
 ● P 15♁06 7 Sep 2006  
 ● A 29♁18 22 Sep 2006  
 ● T 13♁02 3 Mar 2007  
 ● P 28♁00 18 Mar 2007  
 ● T 4♁47 28 Aug 2007  
 ● P 18♁18 11 Sep 2007  
 ● A 17♁50 6 Feb 2008  
 ● T 1♁50 20 Feb 2008  
 ● T 9♁237 1 Aug 2008  
 ● P 24♁18 16 Aug 2008  
 ● A 6♁32 26 Jan 2009  
 ● A 20♁253 9 Feb 2009  
 ● A 15♁33 7 Jul 2009  
 ● T 29♁27 21 Jul 2009  
 ● A 13♁35 5 Aug 2009  
 ● P 10♁21 31 Dec 2009  
 ● A 24♁59 15 Jan 2010  
 ● P 4♁50 26 Jun 2010  
 ● T 19♁20 11 Jul 2010  
 ● T 29♁23 21 Dec 2010  
 ● P 13♁33 4 Jan 2011  
 ● P 11♁09 1 Jun 2011  
 ● T 24♁23 15 Jun 2011  
 ● P 9♁04 1 Jul 2011  
 ● P 2♁43 25 Nov 2011  
 ● T 18♁08 10 Dec 2011  
 ● A 0♁23 20 May 2012  
 ● P 14♁09 4 Jun 2012  
 ● T 21♁59 13 Nov 2012  
 ● A 6♁41 28 Nov 2012  
 ● P 5♁52 25 Apr 2013  
 ● A 19♅30 9 May 2013  
 ● A 3♁59 24 May 2013  
 ● A 25♁52 18 Oct 2013  
 ● AT 11♁14 3 Nov 2013  
 ● T 25♁18 15 Apr 2014  
 ● ANC 8♅45 29 Apr 2014  
 ● T 15♁08 8 Oct 2014  
 ● P 0♁19 23 Oct 2014  
 ● T 29♁34 20 Mar 2015  
 ● T 14♁21 4 Apr 2015  
 ● P 20♁17 13 Sep 2015  
 ● T 4♁38 27 Sep 2015  
 ● T 18♁57 8 Mar 2016  
 ● A 3♁10 23 Mar 2016  
 ● A 9♁23 1 Sep 2016  
 ● A 24♁13 16 Sep 2016

♁ A	22♁234	10 Feb 2017
♁ A	8♁09	26 Feb 2017
♁ P	15♁30	7 Aug 2017
♁ T	28♁251	21 Aug 2017
♁ T	11♁239	31 Jan 2018
♁ P	27♁01	15 Feb 2018
♁ P	20♁50	12 Jul 2018
♁ T	4♁46	27 Jul 2018
♁ P	18♁234	11 Aug 2018
♁ P	151331	5 Jan 2019
♁ T	0♁249	21 Jan 2019
♁ T	10♁42	2 Jul 2019
♁ P	241301	16 Jul 2019
♁ A	41310	26 Dec 2019
♁ A	19♁54	10 Jan 2020
♁ A	15♁42	5 Jun 2020
♁ A	0♁21	21 Jun 2020
♁ A	131330	4 Jul 2020
♁ A	8II45	30 Nov 2020
♁ T	23♁06	14 Dec 2020
♁ T	5♁29	26 May 2021
♁ A	19II42	10 Jun 2021
♁ P	27♁17	19 Nov 2021
♁ T	12♁16	4 Dec 2021
♁ P	10♁35	30 Apr 2022
♁ T	25♁16	15 May 2022
♁ P	2♁07	25 Oct 2022
♁ T	15♁59	8 Nov 2022
♁ AT	29♁53	19 Apr 2023
♁ A	14♁52	5 May 2023
♁ A	21♁10	14 Oct 2023
♁ P	5♁03	28 Oct 2023
♁ A	5♁14	25 Mar 2024
♁ T	19♁22	8 Apr 2024
♁ P	25♁47	17 Sep 2024
♁ A	10♁02	2 Oct 2024
♁ T	23♁59	14 Mar 2025
♁ P	8♁53	29 Mar 2025
♁ T	15♁24	7 Sep 2025
♁ P	28♁59	21 Sep 2025
♁ A	28♁56	17 Feb 2026
♁ T	12♁51	3 Mar 2026
♁ T	20♁208	12 Aug 2026
♁ P	4♁51	27 Aug 2026
♁ A	17♁39	6 Feb 2027
♁ A	1♁59	20 Feb 2027
♁ A	251358	18 Jul 2027
♁ T	9♁256	2 Aug 2027
♁ A	24♁05	17 Aug 2027
♁ P	21♁34	11 Jan 2028
♁ A	6♁09	26 Jan 2028

♁ P	151316	6 Jul 2028
♁ T	29♁47	21 Jul 2028
♁ T	10♁35	31 Dec 2028
♁ P	241344	14 Jan 2029
♁ P	21II37	11 Jun 2029
♁ T	41350	25 Jun 2029
♁ P	19♁30	11 Jul 2029
♁ P	13♁52	5 Dec 2029
♁ T	29II19	20 Dec 2029