

# SOLAR AND LUNAR ECLIPSES

## 2001—2020

LUNAR ECLIPSES				SOLAR ECLIPSES														
			Total				Total											
			Page				Page											
<b>2001</b>	Jan.	9	T	2	2001	Jan.	9	<b>2001</b>	June	21	T	3	2001	June	21			
	July	5	P	4	2003	May	16		2002	Dec.	14	A	5	2002	Dec.	4		
	Dec.	30	Pen	6	2003	Nov.	† 8		<b>2002</b>	June	† 10	A	8	2003	Nov.	† 23		
<b>2002</b>	May	26	Pen	7	2004	May	4	Dec.		4	T	11	2006	Mar.	29			
	June	24	Pen	9	2004	Oct.	28	<b>2003</b>	May	31	A	13	2008	Aug.	1			
	Nov.	† 19	Pen	10	2007	Mar.	† 3		Nov.	† 23	T	15	2009	July	† 21			
<b>2003</b>	May	16	T	12	2007	Aug.	28		<b>2004</b>	Apr.	19	P	16	2010	July	11		
	Nov.	† 8	T	14	2008	Feb.	21	Oct.		14	P	18	2012	Nov.	† 13			
<b>2004</b>	May	4	T	17	2010	Dec.	21	<b>2005</b>		Apr.	8	A/T	20	2015	Mar.	20		
	Oct.	28	T	19	2011	June	15		Oct.	3	A	22	2016	Mar.	† 8			
<b>2005</b>	Apr.	24	Pen	21	2011	Dec.	10	<b>2006</b>	Mar.	29	T	25	2017	Aug.	21			
	Oct.	17	P	23	2014	Apr.	15		Sep.	22	A	27	2019	July	2			
<b>2006</b>	Mar.	† 14	Pen	24	2014	Oct.	8	<b>2007</b>	Mar.	19	P	29	2020	Dec.	14			
	Sep.	7	P	26	2015	Apr.	4		Sep.	11	P	31	<b>Annular-Total</b>					
<b>2007</b>	Mar.	† 3	T	28	2015	Sep.	28	<b>2008</b>	Feb.	7	A	32	2005	Apr.	8			
	Aug.	28	T	30	2018	Jan.	31		Aug.	1	T	34	2013	Nov.	3			
<b>2008</b>	Feb.	21	T	33	2018	Jul.	27	<b>2009</b>	Jan.	26	A	36	<b>Annular</b>					
	Aug.	16	P	35	2019	Jan.	21		July	† 21	T	39	2001	Dec.	14			
<b>2009</b>	Feb.	9	Pen	37	<b>Partial</b>				<b>2010</b>	Jan.	15	A	42	2002	June	† 10		
	Jul.	7	Pen	38	2001	July	5	July		11	T	44	2003	May	31			
	Aug.	† 5	Pen	40	2005	Oct.	17	<b>2011</b>	Jan.	4	P	46	2005	Oct.	3			
	Dec.	31	P	41	2006	Sep.	7		June	1	P	47	2006	Sep.	22			
<b>2010</b>	June	26	P	43	2008	Aug.	16	July	1	P	49	2008	Feb.	7				
	Dec.	21	T	45	2009	Dec.	31	Nov.	25	P	50	2009	Jan.	26				
<b>2011</b>	June	15	T	48	2010	June	26	<b>2012</b>	May	† 20	A	52	2010	Jan.	15			
	Dec.	10	T	51	2012	June	4		Nov.	† 13	T	54	2012	May	† 20			
<b>2012</b>	June	4	P	53	2013	Apr.	25	<b>2013</b>	May	† 9	A	57	2013	May	† 9			
	Nov.	28	Pen	55	2017	Aug.	7		Nov.	3	A/T	60	2014	Apr.	29			
<b>2013</b>	Apr.	25	P	56	2019	Jul.	† 16	<b>2014</b>	Apr.	29	A	62	2016	Sep.	1			
	May	25	Pen	58	<b>Penumbral</b>				Oct.	23	P	64	2017	Feb.	26			
<b>2014</b>	Oct.	† 18	Pen	59	2001	Dec.	30	<b>2015</b>	Mar.	20	T	65	2019	Dec.	26			
	Apr.	15	T	61	2002	May	26		Sep.	13	P	67	2020	June	21			
<b>2015</b>	Oct.	8	T	63	2002	June	24	<b>2016</b>	Mar.	† 8	T	69	<b>Partial</b>					
	Apr.	4	T	66	2002	Nov.	† 19		Sep.	1	A	72	2004	Apr.	19			
<b>2016</b>	Sep.	28	T	68	2005	Apr.	24	<b>2017</b>	Feb.	26	A	75	2004	Oct.	14			
	Mar.	23	Pen	70	2006	Mar.	† 14		Aug.	21	T	77	2007	Mar.	19			
<b>2017</b>	Aug.	18	Pen	71	2009	Feb.	9	<b>2018</b>	Feb.	15	P	79	2007	Sep.	11			
	Sep.	16	Pen	73	2009	Jul.	7		July	13	P	80	2011	Jan.	4			
<b>2018</b>	Feb.	† 10	Pen	74	2009	Aug.	† 5	Aug.	11	P	82	2011	June	1				
	Aug.	7	P	76	2012	Nov.	28	<b>2019</b>	Jan.	† 5	P	83	2011	July	1			
<b>2019</b>	Jan.	31	T	78	2013	May	25		July	2	T	85	2011	Nov.	25			
	Jul.	27	T	81	2013	Oct.	† 18	Dec.	26	A	87	2014	Oct.	23				
<b>2020</b>	Jan.	21	T	84	2016	Mar.	23	<b>2020</b>	June	21	A	90	2015	Sep.	13			
	Jul.	† 16	P	86	2016	Aug.	18		Dec.	14	T	93	2018	Feb.	15			
<b>2020</b>	Jan.	10	Pen	88	2016	Sep.	16	<b>2020</b>	Jan.	10	Pen	89	2017	Feb.	† 10	2018	July	13
	June	5	Pen	89	2020	Jan.	10		2018	Aug.	11	2019	Jan.	† 5				
	July	5	Pen	91	2020	June	5		2018	July	13							
	Nov.	30	Pen	92	2020	July	5		2018	Aug.	11							
					2020	Nov.	30											

T ≡ Total, A ≡ Annular, A/T ≡ Annular-Total, P ≡ Partial, Pen ≡ Penumbral, † Ends on the next day