SOLAR AND LUNAR ECLIPSES
2001—2020

LUNAR ECLIPSES

				Page
2001	Jan.	9	T	2
	July	5	P	4
	Dec.	30	Pen	6
2002	May	26	Pen	7
	June	24	Pen	9
	Nov.	†19	Pen	10
2003	May	16	T	12
	Nov.	† 8	T	14
2004	May	4	T	17
	Oct.	28	T	19
2005	Apr.	24	Pen	21
	Oct.	17	P	23
2006	Mar.	†14	Pen	24
	Sep.	7	P	26
2007	Mar.	† 3	T	28
	Aug.	28	T	30
2008	Feb.	21	T	33
	Aug.	16	P	35
2009	Feb.	9	Pen	37
	Jul.	7	Pen	38
	Aug.	† 5	Pen	40
	Dec.	31	P	41
2010	June	26	P	43
	Dec.	21	T	45
2011	June	15	T	48
	Dec.	10	T	51
2012	June	4	P	53
	Nov.	28	Pen	55
2013	Apr.	25	P	56
	May	25	Pen	58
	Oct.	†18	Pen	59
2014	Apr.	15	T	61
	Oct.	8	T	63
2015	Apr.	4	T	66
	Sep.	28	T	68
2016	Mar.	23	Pen	70
	Aug.	18	Pen	71
	Sep.	16	Pen	73
2017	Feb.	†10	Pen	74
	Aug.	7	P	76
2018	Jan.	31	T	78
	Jul.	27	T	81
2019	Jan.	21	T	84
	Jul.	†16	P	86
2020	Jan.	10	Pen	88
	June	5	Pen	89
	July	5	Pen	91
	Nov.	30	Pen	92

Total

2001	Jan.	9
2003	May	16
2003	Nov.	† 8
2004	May	4
2004	Oct.	28
2007	Mar.	† 3
2007	Aug.	28
2008	Feb.	21
2010	Dec.	21
2011	June	15
2011	Dec.	10
2014	Apr.	15
2014	Oct.	8
2015	Apr.	4
2015	Sep.	28
2018	Jan.	31
2018	Jul.	27
2019	Jan.	21

Partial

2001	July	5
2005	Oct.	17
2006	Sep.	7
2008	Aug.	16
2009	Dec.	31
2010	June	26
2012	June	4
2013	Apr.	25
2017	Aug.	7
2019	Jul.	†16

Penumbral

2001	Dec.	30
2002	May	26
2002	June	24
2002	Nov.	†19
2005	Apr.	24
2006	Mar.	†14
2009	Feb.	9
2009	Jul.	7
2009	Aug.	† 5
2012	Nov.	28
2013	May	25
2013	Oct.	†18
2016	Mar.	23
2016	Aug.	18
2016	Sep.	16
2017	Feb.	†10
2020	Jan.	10
2020	June	5
2020	July	5
2020	Nov.	30

SOLAR ECLIPSES

				Page
2001	June	21	T	3
	Dec.	14	A	5
2002	June	†10	A	8
	Dec.	4	T	11
2003	May	31	A	13
	Nov.	†23	T	15
2004	Apr.	19	P	16
	Oct.	14	P	18
2005	Apr.	8	A/T	20
	Oct.	3	A	22
2006	Mar.	29	T	25
	Sep.	22	A	27
2007	Mar.	19	P	29
	Sep.	11	P	31
2008	Feb.	7	A	32
	Aug.	1	T	34
2009	Jan.	26	A	36
	July	†21	T	39
2010	Jan.	15	A	42
	July	11	T	44
2011	Jan.	4	P	46
	June	1	P	47
	July	1	P	49
	Nov.	25	P	50
2012	May	†20	A	52
	Nov.	†13	T	54
2013	May	† 9	A	57
	Nov.	3	A/T	60
2014	Apr.	29	A	62
	Oct.	23	P	64
2015	Mar.	20	T	65
	Sep.	13	P	67
2016	Mar.	† 8	T	69
	Sep.	1	A	72
2017	Feb.	26	A	75
	Aug.	21	T	77
2018	Feb.	15	P	79
	July	13	P	80
	Aug.	11	P	82
2019	Jan.	† 5	P	83
	July	2	T	85
	Dec.	26	A	87
2020	June	21	A	90
	Dec.	14	T	93

Total

2001	June	21
2002	Dec.	4
2003	Nov.	†23
2006	Mar.	29
2008	Aug.	1
2009	July	†21
2010	July	11
2012	Nov.	†13
2015	Mar.	20
2016	Mar.	† 8
2017	Aug.	21
2019	July	2
2020	Dec.	14

Annular-Total

2005	Apr.	8
2013	Nov.	3

Annular

2001	Dec.	14
2002	June	†10
2003	May	31
2005	Oct.	3
2006	Sep.	22
2008	Feb.	7
2009	Jan.	26
2010	Jan.	15
2012	May	†20
2013	May	† 9
2014	Apr.	29
2016	Sep.	1
2017	Feb.	26
2019	Dec.	26
2020	June	21

Partial

2004	Apr.	19
2004	Oct.	14
2007	Mar.	19
2007	Sep.	11
2011	Jan.	4
2011	June	1
2011	July	1
2011	Nov.	25
2014	Oct.	23
2015	Sep.	13
2018	Feb.	15
2018	July	13
2018	Aug.	11
2019	Jan.	† 5

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