

# SOLAR ECLIPSES 2014-2040

ALL DATES AND TIMES ARE IN UTC

minor revision 06/20/2022

Date	GLOBAL							At JMLC						
	Start Partial	Start Annular	Start Total	Max %	End Total	End Annular	End Partial	Start Partial	Start Annular	Start Total	Max %	End Total	End Annular	End Partial
04/29/2014	03:53	05:59		97.0		06:09	08:14							
10/23/2014	19:38			74.6			23:52	21:12			52.1			23:39
03/20/2015	07:41		09:10	100.0	10:21		11:50							
09/13/2015	04:42			70.9			09:06							
03/08/2016	23:19													
next day			00:16	100.0	03:38		04:35							
09/01/2016	06:13	07:18		95.0		10:56	12:01							
02/26/2017	12:11	13:15		98.6		16:32	17:36							
08/21/2017	15:47		16:49	100.0	20:03		21:04	16:27			95.6			19:14
02/15/2018	18:56			49.1			22:47							
07/13/2018	01:48			22.5			04:14							
08/11/2018	08:02			68.0			11:31							
01/05/2019	23:34													
next day				62.0			03:49							
07/02/2019	16:55		18:01	100.0	20:45		21:51							
12/26/2019	02:30	03:35		94.3		07:01	08:06							
06/21/2020	03:46	04:48		99.0		08:32	09:34							
12/14/2020	13:34		14:33	100.0	17:54		18:53							
06/10/2021	08:12	09:50		89.2		11:34	13:11							
12/04/2021	05:29		07:00	100.0	08:06		09:37							
04/30/2022	18:45			54.1			22:38							
10/25/2022	08:58			82.1			13:02							
04/20/2023	01:34	02:37	02:37	100.0	05:55	05:56	06:59							
10/14/2023	15:04	16:10		90.8		19:49	20:55	15:17			64.3			18:03
04/08/2024	15:42		16:39	100.0	19:56		20:52	17:39			57.9			19:59

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	Start Partial	Start Annular	Start Total	Max %	End Total	End Annular	End Partial	Start Partial	Start Annular	Start Total	Max %	End Total	End Annular	End Partial
10/02/2024	15:43	16:51		87.1		20:39	21:47							
03/29/2025	08:51			93.1			12:44							
09/21/2025	17:30			79.7			21:54							
02/17/2026	09:56	11:43		92.9		12:41	14:28							
08/12/2026	15:34		16:58	100.0	18:34		19:58							
02/06/2027	12:58	14:04		86.3		17:55	19:02							
08/02/2027	07:30		08:23	100.0	11:50		12:43							
01/26/2028	12:07	13:15		84.9		17:01	18:09				rising			14:49
07/22/2028	00:28		01:31	100.0	04:20		05:23							
01/14/2029	15:02			81.6			19:23	15:34			69.4			18:31
06/12/2029	02:26			34.1			05:43							
07/11/2029	14:28			12.7			16:44							
12/05/2029	13:07			86.7			16:59							
06/01/2030	03:35	04:47		89.3		08:09	09:21							
11/25/2030	04:17		05:14	100.0	08:26		09:24							
05/21/2031	04:14	05:19		92.1		09:11	10:16							
11/14/2031	18:23	19:24	19:30	100.0	22:45	22:49	23:49							
05/09/2032	11:10	12:47		99.3		14:04	15:41							
11/03/2032	03:22			79.7			07:44							
03/30/2033	15:59		17:36	100.0	18:26		20:03	16:58			30.8			19:02
09/23/2033	11:48			59.3			15:58							
03/20/2034	07:40		08:37	100.0	11:58		12:55							
09/12/2034	13:27	14:32		95.0	18:04		19:10							
03/09/2035	20:21	21:25		98.6										
next day						00:44	01:48							

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	Start Partial	Start Annular	Start Total	Max %	End Total	End Annular	End Partial	Start Partial	Start Annular	Start Total	Max %	End Total	End Annular	End Partial
09/01/2035	23:15													
next day			00:16	100.0	03:35		04:36							
02/27/2036	02:47			52.4			06:44							
07/23/2036	09:34			10.5			11:27							
08/21/2036	15:33			83.8			19:16							
01/16/2037	07:41			60.9			11:54							
07/13/2037	00:15		01:25	100.0	03:53		05:03							
01/05/2038	10:59	12:03		94.8		15:29	16:33							
07/02/2038	10:36	11:38		98.4		15:25	16:27							
12/25/2038	22:20		23:18	100.0	02:40		03:38							
06/21/2039	14:35	16:02		89.5		18:21	19:48	15:11			20.3			17:25
12/15/2039	14:18		15:47	100.0	16:57		18:27							
05/11/2040	01:55			41.9			05:28							
11/04/2040	17:08			75.1			21:07	17:28			31.4			19:48