

Phases of the Moon and Eclipses from 2001 to 2020

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Data source: Fred Espenak / Nasa Goddard Space Flight Center: <http://eclipse.gsfc.nasa.gov/phase/phasecat.html>

Solar

Eclipses: T - Total
 A - Annular
 H - Hybrid (Annular/Total)
 P - Partial

Lunar

Eclipses: t - Total (Umbral)
 p - Partial (Umbral)
 n - Penumbral

Universal Time(UT)

Year	New Moon	First Quarter	Full Moon	Last Quarter	Delta T
2001					
		Jan 2 22:32	Jan 9 20:25 t	Jan 16 12:36	00h01m
Jan 24 13:08	Feb 1 14:02	Feb 8 07:12	Feb 15 03:25		
Feb 23 08:22	Mar 3 02:03	Mar 9 17:23	Mar 16 20:47		
Mar 25 01:23	Apr 1 10:49	Apr 8 03:22	Apr 15 15:32		
Apr 23 15:27	Apr 30 17:08	May 7 13:53	May 15 10:12		
May 23 02:47	May 29 22:10	Jun 6 01:40	Jun 14 03:29		
Jun 21 11:58 T	Jun 28 03:20	Jul 5 15:04 p	Jul 13 18:47		
Jul 20 19:44	Jul 27 10:09	Aug 4 05:56	Aug 12 07:54		
Aug 19 02:55	Aug 25 19:54	Sep 2 21:44	Sep 10 19:00		
Sep 17 10:27	Sep 24 09:30	Oct 2 13:50	Oct 10 04:20		
Oct 16 19:23	Oct 24 02:57	Nov 1 05:42	Nov 8 12:22		
Nov 15 06:40	Nov 22 23:20	Nov 30 20:50	Dec 7 19:53		
Dec 14 20:48 A	Dec 22 20:57	Dec 30 10:41 n			
2002					
				Jan 6 03:56	00h01m
Jan 13 13:30	Jan 21 17:48	Jan 28 22:51	Feb 4 13:34		
Feb 12 07:42	Feb 20 12:03	Feb 27 09:17	Mar 6 01:26		
Mar 14 02:04	Mar 22 02:29	Mar 28 18:25	Apr 4 15:30		
Apr 12 19:22	Apr 20 12:49	Apr 27 03:00	May 4 07:17		
May 12 10:46	May 19 19:42	May 26 11:51 n	Jun 3 00:06		
Jun 10 23:47 A	Jun 18 00:29	Jun 24 21:42 n	Jul 2 17:21		
Jul 10 10:26	Jul 17 04:47	Jul 24 09:07	Aug 1 10:24		
Aug 8 19:15	Aug 15 10:12	Aug 22 22:29	Aug 31 02:32		
Sep 7 03:10	Sep 13 18:08	Sep 21 13:59	Sep 29 17:03		
Oct 6 11:17	Oct 13 05:33	Oct 21 07:21	Oct 29 05:28		
Nov 4 20:35	Nov 11 20:52	Nov 20 01:35 n	Nov 27 15:46		
Dec 4 07:35 T	Dec 11 15:49	Dec 19 19:11	Dec 27 00:31		
2003					
Jan 2 20:24	Jan 10 13:16	Jan 18 10:49	Jan 25 08:34	00h01m	
Feb 1 10:50	Feb 9 11:12	Feb 16 23:52	Feb 23 16:47		
Mar 3 02:36	Mar 11 07:15	Mar 18 10:35	Mar 25 01:52		
Apr 1 19:19	Apr 9 23:40	Apr 16 19:36	Apr 23 12:19		
May 1 12:15	May 9 11:52	May 16 03:35 t	May 23 00:31		
May 31 04:20 A	Jun 7 20:26	Jun 14 11:15	Jun 21 14:46		
Jun 29 18:38	Jul 7 02:32	Jul 13 19:20	Jul 21 07:02		
Jul 29 06:52	Aug 5 07:28	Aug 12 04:47	Aug 20 00:49		
Aug 27 17:25	Sep 3 12:35	Sep 10 16:35	Sep 18 19:03		
Sep 26 03:08	Oct 2 19:11	Oct 10 07:27	Oct 18 12:32		
Oct 25 12:50	Nov 1 04:26	Nov 9 01:14 t	Nov 17 04:16		
Nov 23 22:59 T	Nov 30 17:16	Dec 8 20:38	Dec 16 17:43		
Dec 23 09:44	Dec 30 10:04				
2004					
		Jan 7 15:41	Jan 15 04:46	00h01m	
Jan 21 21:07	Jan 29 06:03	Feb 6 08:49	Feb 13 13:40		
Feb 20 09:20	Feb 28 03:24	Mar 6 23:16	Mar 13 21:02		
Mar 20 22:43	Mar 28 23:48	Apr 5 11:04	Apr 12 03:47		
Apr 19 13:23 P	Apr 27 17:33	May 4 20:34 t	May 11 11:05		
May 19 04:53	May 27 07:57	Jun 3 04:20	Jun 9 20:03		
Jun 17 20:28	Jun 25 19:08	Jul 2 11:09	Jul 9 07:34		
Jul 17 11:24	Jul 25 03:38	Jul 31 18:05	Aug 7 22:01		
Aug 16 01:23	Aug 23 10:12	Aug 30 02:21	Sep 6 15:10		
Sep 14 14:28	Sep 21 15:54	Sep 28 13:08	Oct 6 10:12		
Oct 14 02:47 P	Oct 20 21:59	Oct 28 03:06 t	Nov 5 05:54		
Nov 12 14:25	Nov 19 05:51	Nov 26 20:07	Dec 5 00:54		
Dec 12 01:28	Dec 18 16:39	Dec 26 15:06			

Year	New Moon	First Quarter	Full Moon	Last Quarter	Delta T
2005					
	Jan 10 12:03	Jan 17 06:57	Jan 25 10:32	Jan 3 17:46	00h01m
	Feb 8 22:29	Feb 16 00:15	Feb 24 04:54	Feb 2 07:27	
	Mar 10 09:12	Mar 17 19:18	Mar 25 21:00	Mar 3 17:37	
	Apr 8 20:34 H	Apr 16 14:38	Apr 24 10:08 n	Apr 2 00:51	
	May 8 08:48	May 16 08:58	May 23 20:20	May 1 06:25	
	Jun 6 21:57	Jun 15 01:24	Jun 22 04:15	May 30 11:48	
	Jul 6 12:04	Jul 14 15:21	Jul 21 11:01	Jun 28 18:24	
	Aug 5 03:05	Aug 13 02:39	Aug 19 17:54	Jul 28 03:20	
	Sep 3 18:45	Sep 11 11:37	Aug 26 15:19	Aug 26 15:19	
	Oct 3 10:27 A	Oct 10 19:00	Sep 18 02:00	Sep 25 06:41	
	Nov 2 01:23	Nov 9 01:57	Oct 17 12:13 p	Oct 25 01:17	
	Dec 1 14:59	Dec 8 09:36	Nov 16 00:56	Nov 23 22:12	
	Dec 31 03:11		Dec 15 16:14	Dec 23 19:37	
2006					
		Jan 6 18:56	Jan 14 09:47	Jan 22 15:14	00h01m
	Jan 29 14:15	Feb 5 06:28	Feb 13 04:44	Feb 21 07:17	
	Feb 28 00:32	Mar 6 20:15	Mar 14 23:35 n	Mar 22 19:10	
	Mar 29 10:16 T	Apr 5 12:01	Apr 13 16:41	Apr 21 03:28	
	Apr 27 19:45	May 5 05:13	May 13 06:52	May 20 09:20	
	May 27 05:27	Jun 3 23:06	Jun 11 18:04	Jun 18 14:08	
	Jun 25 16:06	Jul 3 16:36	Jul 11 03:03	Jun 25 16:06	
	Jul 25 04:31	Aug 2 08:45	Aug 9 10:55	Jul 17 19:13	
	Aug 23 19:09	Aug 31 22:56	Aug 26 15:19	Aug 16 01:52	
	Sep 22 11:45 A	Sep 30 11:03	Sep 7 18:43 p	Sep 14 11:17	
	Oct 22 05:13	Oct 29 21:25	Oct 7 03:13	Sep 14 11:17	
	Nov 20 22:17	Nov 28 06:29	Nov 5 12:58	Oct 14 00:26	
	Dec 20 14:00	Dec 27 14:48	Dec 5 00:24	Nov 12 17:46	
				Dec 12 14:32	
2007					
			Jan 3 13:57	Jan 11 12:44	00h01m
	Jan 19 04:00	Jan 25 23:02	Feb 2 05:45	Feb 10 09:51	
	Feb 17 16:14	Feb 24 07:56	Mar 3 23:16 t	Mar 12 03:55	
	Mar 19 02:43 P	Mar 25 18:16	Apr 2 17:15	Apr 10 18:04	
	Apr 17 11:36	Apr 24 06:35	May 2 10:10	May 10 04:27	
	May 16 19:28	May 23 21:02	Jun 1 01:04	Jun 8 11:43	
	Jun 15 03:14	Jun 22 13:14	Jun 30 13:49	Jun 7 16:54	
	Jul 14 12:04	Jul 22 06:28	Jul 30 00:49	Jul 7 16:54	
	Aug 12 23:02	Aug 20 23:54	Aug 28 10:36 t	Aug 5 21:21	
	Sep 11 12:44 P	Sep 19 16:48	Sep 26 19:46	Sep 4 02:34	
	Oct 11 05:01	Oct 19 08:33	Oct 26 04:52	Oct 3 10:07	
	Nov 9 23:03	Nov 17 22:32	Nov 24 14:30	Nov 1 21:19	
	Dec 9 17:40	Dec 17 10:17	Dec 24 01:15	Dec 1 12:44	
				Dec 31 07:50	
2008					
	Jan 8 11:36	Jan 15 19:45	Jan 22 13:34	Jan 30 05:02	00h01m
	Feb 7 03:44 A	Feb 14 03:33	Feb 21 03:29 t	Feb 29 02:19	
	Mar 7 17:14	Mar 14 10:45	Mar 21 18:39	Mar 29 21:48	
	Apr 6 03:55	Apr 12 18:31	Apr 20 10:24	Apr 28 14:13	
	May 5 12:18	May 12 03:46	May 20 02:11	May 28 02:57	
	Jun 3 19:23	Jun 10 15:02	Jun 18 17:30	May 28 02:57	
	Jul 3 02:19	Jul 10 04:34	Jul 18 07:59	Jun 26 12:10	
	Aug 1 10:13 T	Aug 8 20:20	Aug 16 21:17 p	Jul 25 18:42	
	Aug 30 19:58	Sep 7 14:04	Sep 15 09:14	Aug 23 23:50	
	Sep 29 08:12	Oct 7 09:05	Oct 14 20:03	Sep 22 05:05	
	Oct 28 23:14	Nov 6 04:03	Nov 13 06:18	Oct 21 11:56	
	Nov 27 16:55	Dec 5 21:25	Dec 12 16:38	Nov 19 21:32	
	Dec 27 12:22			Dec 19 10:30	

Year	New Moon	First Quarter	Full Moon	Last Quarter	Delta T
2009					
		Jan 4 11:55	Jan 11 03:27	Jan 18 02:46	00h01m
Jan 26	07:55 A	Feb 2 23:12	Feb 9 14:48 n	Feb 16 21:38	
Feb 25	01:35	Mar 4 07:44	Mar 11 02:37	Mar 18 17:49	
Mar 26	16:07	Apr 2 14:33	Apr 9 14:55	Apr 17 13:37	
Apr 25	03:23	May 1 20:44	May 9 04:01	May 17 07:27	
May 24	12:11	May 31 03:22	Jun 7 18:11	Jun 15 22:15	
Jun 22	19:35	Jun 29 11:28	Jul 7 09:21 n	Jul 15 09:53	
Jul 22	02:34 T	Jul 28 21:59	Aug 6 00:55 n	Aug 13 18:55	
Aug 20	10:01	Aug 27 11:41	Sep 4 16:03	Sep 12 02:15	
Sep 18	18:43	Sep 26 04:48	Oct 4 06:10	Oct 11 08:56	
Oct 18	05:32	Oct 26 00:41	Nov 2 19:14	Nov 9 15:56	
Nov 16	19:13	Nov 24 21:38	Dec 2 07:31	Dec 9 00:14	
Dec 16	12:02	Dec 24 17:35	Dec 31 19:13 p		
2010					
				Jan 7 10:41	00h01m
Jan 15	07:12 A	Jan 23 10:53	Jan 30 06:17	Feb 5 23:50	
Feb 14	02:52	Feb 22 00:42	Feb 28 16:37	Mar 7 15:43	
Mar 15	21:02	Mar 23 10:59	Mar 30 02:25	Apr 6 09:37	
Apr 14	12:30	Apr 21 18:19	Apr 28 12:18	May 6 04:15	
May 14	01:05	May 20 23:42	May 27 23:06	Jun 4 22:13	
Jun 12	11:14	Jun 19 04:30	Jun 26 11:30 p	Jul 4 14:36	
Jul 11	19:40 T	Jul 18 10:11	Jul 26 01:36	Aug 3 04:59	
Aug 10	03:07	Aug 16 18:14	Aug 24 17:05	Sep 1 17:22	
Sep 8	10:29	Sep 15 05:48	Sep 23 09:17	Oct 1 03:52	
Oct 7	18:44	Oct 14 21:25	Oct 23 01:37	Oct 30 12:46	
Nov 6	04:51	Nov 13 16:37	Nov 21 17:28	Nov 28 20:37	
Dec 5	17:36	Dec 13 13:58	Dec 21 08:14 t	Dec 28 04:19	
2011					
Jan 4	09:03 P	Jan 12 11:32	Jan 19 21:22	Jan 26 12:58	00h01m
Feb 3	02:31	Feb 11 07:19	Feb 18 08:36	Feb 24 23:27	
Mar 4	20:46	Mar 12 23:45	Mar 19 18:10	Mar 26 12:07	
Apr 3	14:32	Apr 11 12:04	Apr 18 02:43	Apr 25 02:46	
May 3	06:50	May 10 20:32	May 17 11:07	May 24 18:51	
Jun 1	21:02 P	Jun 9 02:09	Jun 15 20:12 t	Jun 23 11:48	
Jul 1	08:53 P	Jul 8 06:28	Jul 15 06:38	Jul 23 05:03	
Jul 30	18:39	Aug 6 11:08	Aug 13 18:57	Aug 21 21:56	
Aug 29	03:03	Sep 4 17:39	Sep 12 09:26	Sep 20 13:39	
Sep 27	11:08	Oct 4 03:15	Oct 12 02:06	Oct 20 03:30	
Oct 26	19:56	Nov 2 16:37	Nov 10 20:17	Nov 18 15:09	
Nov 25	06:10 P	Dec 2 09:52	Dec 10 14:37 t	Dec 18 00:48	
Dec 24	18:07				
2012					
		Jan 1 06:15	Jan 9 07:31	Jan 16 09:08	00h01m
Jan 23	07:40	Jan 31 04:10	Feb 7 21:55	Feb 14 17:04	
Feb 21	22:36	Mar 1 01:22	Mar 8 09:40	Mar 15 01:26	
Mar 22	14:38	Mar 30 19:41	Apr 6 19:19	Apr 13 10:50	
Apr 21	07:19	Apr 29 09:57	May 6 03:35	May 12 21:47	
May 20	23:47 A	May 28 20:15	Jun 4 11:10 p	Jun 11 10:41	
Jun 19	15:02	Jun 27 03:29	Jul 3 18:51	Jul 11 01:48	
Jul 19	04:23	Jul 26 08:56	Aug 2 03:26	Aug 9 18:55	
Aug 17	15:53	Aug 24 13:54	Aug 31 13:57	Sep 8 13:15	
Sep 16	02:09	Sep 22 19:41	Sep 30 03:17	Oct 8 07:33	
Oct 15	12:01	Oct 22 03:33	Oct 29 19:49	Nov 7 00:36	
Nov 13	22:07 T	Nov 20 14:31	Nov 28 14:46 n	Dec 6 15:32	
Dec 13	08:41	Dec 20 05:19	Dec 28 10:21		

Year	New Moon	First Quarter	Full Moon	Last Quarter	Delta T
2013					
	Jan 11 19:44	Jan 18 23:45	Jan 27 04:39	Jan 5 03:58	00h01m
	Feb 10 07:21	Feb 17 20:30	Feb 25 20:28	Feb 3 13:56	
	Mar 11 19:53	Mar 19 17:26	Mar 27 09:29	Mar 4 21:53	
	Apr 10 09:38	Apr 18 12:31	Apr 25 19:59 p	Apr 3 04:38	
	May 10 00:30 A	May 18 04:35	May 25 04:26 n	May 2 11:15	
	Jun 8 15:58	Jun 16 17:24	Jun 23 11:32	May 31 18:59	
	Jul 8 07:15	Jul 16 03:19	Jul 22 18:15	Jun 30 04:54	
	Aug 6 21:50	Aug 14 10:56	Aug 21 01:44	Jul 29 17:43	
	Sep 5 11:35	Sep 12 17:09	Sep 19 11:11	Aug 28 09:35	
	Oct 5 00:33	Oct 11 23:03	Sep 19 11:11	Sep 27 03:55	
	Nov 3 12:48 H	Nov 10 05:58	Oct 18 23:36 n	Oct 26 23:41	
	Dec 3 00:21	Dec 9 15:12	Nov 17 15:15	Nov 25 19:29	
			Dec 17 09:28	Dec 25 13:49	
2014					
	Jan 1 11:14	Jan 8 03:39	Jan 16 04:52	Jan 24 05:20	00h01m
	Jan 30 21:39	Feb 6 19:21	Feb 14 23:53	Feb 22 17:16	
	Mar 1 08:01	Mar 8 13:26	Mar 16 17:09	Mar 24 01:46	
	Mar 30 18:47	Apr 7 08:30	Apr 15 07:44 t	Apr 22 07:52	
	Apr 29 06:16 A	May 7 03:16	May 14 19:17	May 21 12:59	
	May 28 18:42	Jun 5 20:40	Jun 13 04:12	Jun 19 18:39	
	Jun 27 08:09	Jul 5 11:59	Jul 12 11:25	Jul 19 02:08	
	Jul 26 22:42	Aug 4 00:50	Aug 10 18:10	Jul 19 02:08	
	Aug 25 14:12	Sep 2 11:11	Aug 10 18:10	Aug 17 12:26	
	Sep 24 06:12	Oct 1 19:32	Sep 9 01:38	Sep 16 02:05	
	Oct 23 21:55 P	Oct 31 02:48	Oct 8 10:49 t	Sep 16 02:05	
	Nov 22 12:31	Nov 29 10:06	Nov 6 22:22	Oct 15 19:12	
	Dec 22 01:35	Dec 28 18:32	Dec 6 12:26	Nov 14 15:17	
				Dec 14 12:53	
2015					
	Jan 20 13:14	Jan 27 04:48	Jan 5 04:53	Jan 13 09:48	00h01m
	Feb 18 23:48	Feb 25 17:14	Feb 3 23:09	Feb 12 03:51	
	Mar 20 09:37 T	Mar 27 07:43	Mar 5 18:05	Mar 13 17:48	
	Apr 18 18:58	Apr 25 23:56	Apr 4 12:06 p	Apr 12 03:44	
	May 18 04:14	May 25 17:19	May 4 03:43	May 11 10:36	
	Jun 16 14:06	Jun 24 11:03	Jun 2 16:21	Jun 9 15:42	
	Jul 16 01:25	Jul 24 04:04	Jul 2 02:21	Jun 8 20:25	
	Aug 14 14:53	Aug 22 19:31	Jul 31 10:44	Aug 7 02:04	
	Sep 13 06:41 P	Aug 22 19:31	Aug 29 18:36	Sep 5 09:56	
	Oct 13 00:05	Sep 21 08:59	Sep 28 02:51 t	Sep 5 09:56	
	Nov 11 17:46	Oct 20 20:31	Sep 28 02:51 t	Oct 4 21:07	
	Dec 11 10:29	Nov 19 06:27	Oct 27 12:05	Nov 3 12:24	
		Dec 18 15:14	Nov 25 22:44	Dec 3 07:41	
			Dec 25 11:11		
2016					
	Jan 10 01:30	Jan 16 23:26	Jan 24 01:45	Jan 2 05:30	00h01m
	Feb 8 14:39	Feb 15 07:47	Feb 22 18:19	Feb 1 03:28	
	Mar 9 01:55 T	Mar 15 17:03	Mar 23 12:00 n	Mar 1 23:11	
	Apr 7 11:24	Apr 14 03:59	Apr 22 05:24	Mar 31 15:17	
	May 6 19:30	May 13 17:02	May 21 21:15	Apr 30 03:29	
	Jun 5 03:00	Jun 12 08:09	Jun 20 11:04	May 29 12:12	
	Jul 4 11:02	Jul 12 00:51	Jul 19 22:58	Jun 27 18:20	
	Aug 2 20:45	Aug 10 18:21	Aug 18 09:28	Jul 26 23:01	
	Sep 1 09:04 A	Sep 9 11:50	Sep 16 19:07 n	Aug 25 03:43	
	Oct 1 00:12	Oct 9 04:34	Oct 16 04:24	Sep 23 09:58	
	Oct 30 17:39	Nov 7 19:51	Nov 14 13:52	Oct 22 19:15	
	Nov 29 12:18	Dec 7 09:03	Dec 14 00:06	Nov 21 08:34	
	Dec 29 06:53			Dec 21 01:55	

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2017					
		Jan 5 19:46	Jan 12 11:34	Jan 19 22:13	00h01m
Jan 28	00:07	Feb 4 04:18	Feb 11 00:33 n	Feb 18 19:34	
Feb 26	14:59 A	Mar 5 11:32	Mar 12 14:53	Mar 20 16:00	
Mar 28	02:58	Apr 3 18:40	Apr 11 06:08	Apr 19 09:59	
Apr 26	12:17	May 3 02:47	May 10 21:43	May 19 00:34	
May 25	19:45	Jun 1 12:42	Jun 9 13:10	Jun 17 11:34	
Jun 24	02:31	Jul 1 00:50	Jul 9 04:07	Jul 16 19:26	
Jul 23	09:46	Jul 30 15:23	Aug 7 18:11 p	Aug 15 01:16	
Aug 21	18:30 T	Aug 29 08:13	Sep 6 07:04	Sep 13 06:25	
Sep 20	05:29	Sep 28 02:54	Oct 5 18:41	Oct 12 12:26	
Oct 19	19:11	Oct 27 22:22	Nov 4 05:23	Nov 10 20:37	
Nov 18	11:42	Nov 26 17:02	Dec 3 15:47	Dec 10 07:52	
Dec 18	06:30	Dec 26 09:19			
2018					
			Jan 2 02:24	Jan 8 22:25	00h01m
Jan 17	02:17	Jan 24 22:19	Jan 31 13:26 t	Feb 7 15:54	
Feb 15	21:05 P	Feb 23 08:08	Mar 2 00:51	Mar 9 11:22	
Mar 17	13:13	Mar 24 15:35	Mar 31 12:36	Apr 8 07:20	
Apr 16	01:59	Apr 22 21:45	Apr 30 00:58	May 8 02:10	
May 15	11:48	May 22 03:49	May 29 14:19	Jun 6 18:33	
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Nov 7	16:02	Nov 15 14:53	Nov 23 05:40	Nov 30 00:20	
Dec 7	07:20	Dec 15 11:48	Dec 22 17:49	Dec 29 09:35	
2019					
Jan 6	01:28 P	Jan 14 06:45	Jan 21 05:16 t	Jan 27 21:11	00h01m
Feb 4	21:04	Feb 12 22:25	Feb 19 15:53	Feb 26 11:28	
Mar 6	16:04	Mar 14 10:26	Mar 21 01:42	Mar 28 04:10	
Apr 5	08:51	Apr 12 19:05	Apr 19 11:11	Apr 26 22:18	
May 4	22:46	May 12 01:12	May 18 21:10	May 26 16:33	
Jun 3	10:02	Jun 10 05:59	Jun 17 08:30	Jun 25 09:47	
Jul 2	19:16 T	Jul 9 10:55	Jul 16 21:38 p	Jul 25 01:19	
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Sep 28	18:27	Oct 5 16:47	Oct 13 21:09	Oct 21 12:40	
Oct 28	03:39	Nov 4 10:22	Nov 12 13:36	Nov 19 21:12	
Nov 26	15:06	Dec 4 06:58	Dec 12 05:13	Dec 19 04:58	
Dec 26	05:14 A				
2020					
		Jan 3 04:45	Jan 10 19:22 n	Jan 17 12:59	00h01m
Jan 24	21:43	Feb 2 01:42	Feb 9 07:33	Feb 15 22:18	
Feb 23	15:32	Mar 2 19:57	Mar 9 17:47	Mar 16 09:34	
Mar 24	09:28	Apr 1 10:20	Apr 8 02:34	Apr 14 22:56	
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Jul 20	17:32	Jul 27 12:32	Aug 3 15:58	Aug 11 16:46	
Aug 19	02:41	Aug 25 17:58	Sep 2 05:22	Sep 10 09:27	
Sep 17	11:00	Sep 24 01:55	Oct 1 21:06	Oct 10 00:40	
Oct 16	19:31	Oct 23 13:23	Oct 31 14:50	Nov 8 13:46	
Nov 15	05:08	Nov 22 04:45	Nov 30 09:31 n	Dec 8 00:37	
Dec 14	16:17 T	Dec 21 23:41	Dec 30 03:29		