Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

conjunction	-3400 Feb 27 j 06:58	11°♒21'54	-0°56'38
minimum elong	-3400 Feb 27 j 09:13	11°♒25'59	0°56'43
	-3400 Mar 24 j 11:16	0°♓	
max. Earth dist.	-3400 Apr 07 j 02:25	9°♓28'31	2.51668 AU
morning rise	-3400 Apr 25 j 10:19	21°♓59'01	
	-3400 May 07 j 09:07	0°♈	
asc. node	-3400 Jun 16 j 11:36	26°♈10'48	
	-3400 Jun 22 j 11:21	0°♉	
	-3400 Aug 09 j 21:22	0°♊	
	-3400 Oct 01 j 01:28	0°♋	
	-3400 Dec 08 j 16:17	0°♌	
retrograde	-3399 Jan 04 j 19:26	3°♌58'12	
	-3399 Jan 29 j 21:03	30°℞♋	
opposition	-3399 Feb 10 j 15:37	25°♋55'10	4°57'40
greatest brilliancy	-3399 Feb 11 j 20:12	25°♋28'21	-1.7m
min. Earth dist.	-3399 Feb 17 j 14:02	23°♋19'35	0.57614 AU
direct	-3399 Mar 22 j 22:51	16°♋18'37	
	-3399 May 13 j 02:57	0°♌	
desc. node	-3399 Jun 24 j 03:52	23°♌23'58	
	-3399 Jul 04 j 10:27	0°♍	
	-3399 Aug 16 j 09:54	0°♎	
	-3399 Sep 25 j 07:12	0°♏	
	-3399 Nov 03 j 05:16	0°♐	
	-3399 Dec 12 j 11:20	0°♑	
	-3398 Jan 21 j 23:31	0°♒	
evening set	-3398 Feb 23 j 12:42	23°♒11'59	
	-3398 Mar 05 j 07:01	0°♓	
conjunction	-3398 Apr 18 j 14:19	0°♈01'21	-0°09'09
minimum elong	-3398 Apr 18 j 14:45	0°♈02'03	0°09'10
behind sun begin	-3398 Apr 17 j 20:58	29°♓32'33	
behind sun end	-3398 Apr 19 j 08:33	0°♈31'33	
	-3398 Apr 18 j 13:31	0°♈	
asc. node	-3398 May 04 j 09:21	10°♈26'23	
max. Earth dist.	-3398 May 08 j 10:16	13°♈05'00	2.61778 AU
	-3398 Jun 03 j 12:55	0°♉	
morning rise	-3398 Jun 07 j 13:56	2°♉35'43	
	-3398 Jul 20 j 18:29	0°♊	
	-3398 Sep 07 j 00:18	0°♋	
	-3398 Oct 26 j 21:19	0°♌	
	-3398 Dec 20 j 20:55	0°♍	
retrograde	-3397 Feb 28 j 22:10	21°♍14'20	
opposition	-3397 Apr 03 j 00:50	14°♍58'32	2°22'35
greatest brilliancy	-3397 Apr 03 j 20:56	14°♍42'24	-2.4m
min. Earth dist.	-3397 Apr 11 j 07:02	12°♍20'08	0.44971 AU
direct	-3397 May 09 j 04:48	7°♍23'22	
desc. node	-3397 May 12 j 03:15	7°♍26'55	
	-3397 Jul 13 j 13:41	0°♎	
	-3397 Aug 28 j 21:47	0°♏	
	-3397 Oct 09 j 18:46	0°♐	
	-3397 Nov 20 j 00:26	0°♑	
	-3396 Jan 01 j 01:44	0°♒	
	-3396 Feb 13 j 14:30	0°♓	
asc. node	-3396 Mar 21 j 07:03	24°♓27'32	
	-3396 Mar 29 j 17:50	0°♈	
evening set	-3396 Apr 10 j 00:50	7°♈21'47	
	-3396 May 15 j 03:14	0°♉	
conjunction	-3396 May 28 j 19:35	8°♉45'07	0°36'49
minimum elong	-3396 May 28 j 18:24	8°♉43'13	0°36'53
max. Earth dist.	-3396 Jun 01 j 14:57	11°♉11'00	2.66718 AU
	-3396 Jul 01 j 03:06	0°♊	
morning rise	-3396 Jul 13 j 19:58	8°♊06'07	
	-3396 Aug 17 j 01:41	0°♋	
	-3396 Oct 02 j 14:57	0°♌	
	-3396 Nov 17 j 21:55	0°♍	
	-3395 Jan 03 j 14:02	0°♎	
	-3395 Feb 21 j 14:37	0°♏	
desc. node	-3395 Mar 29 j 05:00	18°♏44'32	
	-3395 May 01 j 05:32	0°♐	
retrograde	-3395 May 16 j 18:53	1°♐31'49	
	-3395 Jun 01 j 05:35	30°℞♏	
min. Earth dist.	-3395 Jun 14 j 19:47	26°♏46'25	0.37691 AU
opposition	-3395 Jun 16 j 10:34	26°♏20'31	-5°18'58
greatest brilliancy	-3395 Jun 16 j 01:19	26°♏26'42	-2.9m
direct	-3395 Jul 16 j 07:39	21°♏21'59	
	-3395 Aug 23 j 20:59	0°♐	
	-3395 Oct 19 j 14:26	0°♑	
	-3395 Dec 06 j 08:58	0°♒	
	-3394 Jan 22 j 01:45	0°♓	
asc. node	-3394 Feb 06 j 04:10	9°♓40'06	
	-3394 Mar 10 j 02:37	0°♈	
	-3394 Apr 26 j 13:20	0°♉	
evening set	-3394 May 19 j 20:21	14°♉43'28	
	-3394 Jun 12 j 21:32	0°♊	
max. Earth dist.	-3394 Jun 25 j 02:39	7°♊48'23	2.66226 AU
conjunction	-3394 Jul 05 j 10:40	14°♊26'32	1°05'32
minimum elong	-3394 Jul 05 j 09:46	14°♊25'05	1°05'40
	-3394 Jul 29 j 10:52	0°♋	
morning rise	-3394 Aug 19 j 14:50	13°♋54'16	
	-3394 Sep 12 j 17:55	0°♌	
	-3394 Oct 26 j 15:25	0°♍	
	-3394 Dec 08 j 06:42	0°♎	
	-3393 Jan 19 j 00:33	0°♏	
desc. node	-3393 Feb 14 j 05:21	18°♏57'11	
	-3393 Mar 01 j 13:41	0°♐	
	-3393 Apr 13 j 13:00	0°♑	
	-3393 Jun 02 j 16:18	0°♒	
retrograde	-3393 Jul 21 j 00:15	13°♒44'27	
min. Earth dist.	-3393 Aug 18 j 08:03	8°♒14'49	0.46743 AU
greatest brilliancy	-3393 Aug 25 j 01:28	5°♒53'35	-2.3m
opposition	-3393 Aug 26 j 10:08	5°♒24'46	-5°14'48
	-3393 Sep 14 j 05:08	30°℞♑	
direct	-3393 Sep 28 j 08:17	28°♑39'10	
	-3393 Oct 12 j 23:49	0°♒	
asc. node	-3393 Dec 25 j 03:08	29°♒53'16	
	-3393 Dec 25 j 08:09	0°♓	
	-3392 Feb 16 j 02:08	0°♈	
	-3392 Apr 05 j 23:56	0°♉	
	-3392 May 24 j 09:30	0°♊	
evening set	-3392 Jun 26 j 02:36	20°♊51'59	
	-3392 Jul 10 j 03:36	0°♋	
max. Earth dist.	-3392 Jul 19 j 18:53	6°♋20'16	2.60433 AU
conjunction	-3392 Aug 12 j 04:46	21°♋59'04	1°08'23
minimum elong	-3392 Aug 12 j 05:29	22°♋00'17	1°08'30
	-3392 Aug 23 j 23:29	0°♌	
morning rise	-3392 Sep 28 j 23:44	25°♌06'52	
	-3392 Oct 05 j 20:16	0°♍	
	-3392 Nov 15 j 23:50	0°♎	
	-3392 Dec 25 j 21:29	0°♏	
desc. node	-3391 Jan 01 j 04:04	4°♏46'20	
	-3391 Feb 03 j 04:56	0°♐	
	-3391 Mar 14 j 19:21	0°♑	
	-3391 Apr 25 j 00:11	0°♒	
	-3391 Jun 09 j 07:54	0°♓	
	-3391 Aug 12 j 03:57	0°♈	
retrograde	-3391 Sep 02 j 14:38	2°♈55'38	
	-3391 Sep 22 j 20:31	30°℞♓	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

min. Earth dist.	-3391 Oct 06 j 08:32	25°♓19'26	0.58697 AU
opposition	-3391 Oct 11 j 23:50	23°♓05'40	-1°16'38
greatest brilliancy	-3391 Oct 11 j 18:00	23°♓11'26	-1.7m
asc. node	-3391 Nov 11 j 03:50	14°♓52'51	
direct	-3391 Nov 17 j 20:59	14°♓35'04	
	-3390 Jan 14 j 22:47	0°♈	
	-3390 Mar 14 j 15:21	0°♉	
	-3390 May 04 j 18:22	0°♊	
	-3390 Jun 21 j 11:02	0°♋	
	-3390 Aug 05 j 08:55	0°♌	
evening set	-3390 Aug 06 j 07:53	0°♌39'30	
max. Earth dist.	-3390 Aug 21 j 21:26	11°♌29'02	2.49960 AU
	-3390 Sep 16 j 19:43	0°♍	
conjunction	-3390 Sep 26 j 12:27	7°♍04'33	0°35'06
minimum elong	-3390 Sep 26 j 14:08	7°♍07'38	0°35'08
	-3390 Oct 27 j 06:19	0°♎	
desc. node	-3390 Nov 19 j 02:15	17°♎26'05	
morning rise	-3390 Nov 21 j 14:54	19°♎22'54	
	-3390 Dec 05 j 08:11	0°♏	
	-3389 Jan 12 j 19:48	0°♐	
	-3389 Feb 20 j 13:35	0°♑	
	-3389 Apr 01 j 12:06	0°♒	
	-3389 May 13 j 17:32	0°♓	
	-3389 Jun 29 j 00:26	0°♈	
	-3389 Aug 25 j 08:03	0°♉	
asc. node	-3389 Sep 29 j 04:12	9°♉50'02	
retrograde	-3389 Oct 09 j 01:51	10°♉27'11	
min. Earth dist.	-3389 Nov 16 j 02:49	1°♉21'56	0.65883 AU
opposition	-3389 Nov 18 j 02:52	0°♉33'31	1°51'36
greatest brilliancy	-3389 Nov 17 j 22:43	0°♉37'43	-1.4m
	-3389 Nov 19 j 12:13	30°℞♈	
direct	-3389 Dec 27 j 17:18	21°♈04'16	
	-3388 Feb 08 j 08:31	0°♉	
	-3388 Apr 10 j 23:53	0°♊	
	-3388 May 31 j 10:33	0°♋	
	-3388 Jul 16 j 04:12	0°♌	
	-3388 Aug 27 j 16:43	0°♍	
evening set	-3388 Sep 24 j 17:33	20°♍46'53	
desc. node	-3388 Oct 06 j 00:02	29°♍19'44	
	-3388 Oct 06 j 21:09	0°♎	
max. Earth dist.	-3388 Nov 01 j 11:45	19°♎45'34	2.38219 AU
	-3388 Nov 14 j 14:13	0°♏	
conjunction	-3388 Nov 24 j 06:07	7°♏35'08	-0°33'39
minimum elong	-3388 Nov 24 j 03:32	7°♏30'03	0°33'41
	-3388 Dec 22 j 17:30	0°♐	
	-3387 Jan 30 j 04:31	0°♑	
morning rise	-3387 Jan 31 j 02:20	0°♑42'02	
	-3387 Mar 10 j 19:54	0°♒	
	-3387 Apr 21 j 10:03	0°♓	
	-3387 Jun 04 j 16:20	0°♈	
	-3387 Jul 22 j 19:22	0°♉	
asc. node	-3387 Aug 16 j 03:29	13°♉47'31	
	-3387 Sep 17 j 21:07	0°♊	
retrograde	-3387 Nov 11 j 20:16	14°♊12'54	
opposition	-3387 Dec 21 j 07:55	4°♊48'24	3°59'19
greatest brilliancy	-3387 Dec 21 j 12:08	4°♊44'13	-1.3m
min. Earth dist.	-3387 Dec 23 j 02:59	4°♊05'32	0.66873 AU
	-3386 Jan 02 j 22:48	30°℞♉	
direct	-3386 Jan 31 j 08:21	24°♉50'25	
	-3386 Mar 03 j 11:29	0°♊	
	-3386 May 07 j 15:33	0°♋	
	-3386 Jun 25 j 06:08	0°♌	
	-3386 Aug 07 j 15:21	0°♍	
desc. node	-3386 Aug 23 j 21:34	11°♍52'20	
	-3386 Sep 17 j 00:41	0°♎	
	-3386 Oct 25 j 17:38	0°♏	
evening set	-3386 Nov 29 j 07:55	27°♏13'49	
	-3386 Dec 02 j 20:26	0°♐	
	-3385 Jan 10 j 08:36	0°♑	
conjunction	-3385 Feb 02 j 19:18	17°♑50'39	-1°06'27
minimum elong	-3385 Feb 02 j 20:16	17°♑52'26	1°06'34
	-3385 Feb 19 j 02:29	0°♒	
max. Earth dist.	-3385 Mar 21 j 21:17	22°♒20'13	2.46585 AU
	-3385 Apr 01 j 17:19	0°♓	
morning rise	-3385 Apr 06 j 07:35	3°♓13'10	
	-3385 May 15 j 13:59	0°♈	
	-3385 Jun 30 j 21:45	0°♉	
asc. node	-3385 Jul 04 j 03:17	2°♉01'46	
	-3385 Aug 19 j 07:16	0°♊	
	-3385 Oct 14 j 08:24	0°♋	
retrograde	-3385 Dec 19 j 19:36	19°♋06'27	
opposition	-3384 Jan 26 j 15:55	10°♋34'22	5°00'31
greatest brilliancy	-3384 Jan 27 j 13:59	10°♋13'08	-1.5m
min. Earth dist.	-3384 Feb 01 j 05:56	8°♋25'39	0.61436 AU
direct	-3384 Mar 07 j 14:15	0°♋40'44	
	-3384 May 28 j 19:49	0°♌	
desc. node	-3384 Jul 10 j 21:03	27°♌13'58	
	-3384 Jul 14 j 22:08	0°♍	
	-3384 Aug 25 j 13:49	0°♎	
	-3384 Oct 03 j 20:47	0°♏	
	-3384 Nov 11 j 09:25	0°♐	
	-3384 Dec 20 j 07:21	0°♑	
	-3383 Jan 29 j 11:46	0°♒	
evening set	-3383 Feb 02 j 02:59	2°♒39'04	
	-3383 Mar 12 j 12:24	0°♓	
conjunction	-3383 Mar 31 j 07:44	12°♓58'24	-0°28'57
minimum elong	-3383 Mar 31 j 09:11	13°♓00'51	0°28'58
	-3383 Apr 25 j 13:49	0°♈	
max. Earth dist.	-3383 Apr 27 j 13:30	1°♈19'18	2.58403 AU
asc. node	-3383 May 21 j 01:06	16°♈46'21	
morning rise	-3383 May 22 j 21:33	17°♈58'41	
	-3383 Jun 10 j 12:16	0°♉	
	-3383 Jul 28 j 00:47	0°♊	
	-3383 Sep 15 j 06:28	0°♋	
	-3383 Nov 07 j 02:36	0°♌	
	-3382 Jan 22 j 23:43	0°♍	
retrograde	-3382 Feb 04 j 19:22	0°♍58'15	
	-3382 Feb 17 j 05:26	30°℞♌	
opposition	-3382 Mar 11 j 15:32	23°♌53'54	3°57'48
greatest brilliancy	-3382 Mar 12 j 22:13	23°♌27'08	-2.1m
min. Earth dist.	-3382 Mar 20 j 02:11	20°♌58'19	0.50203 AU
direct	-3382 Apr 18 j 23:47	15°♌14'18	
desc. node	-3382 May 28 j 21:11	24°♌32'50	
	-3382 Jun 09 j 17:35	0°♍	
	-3382 Jul 29 j 15:02	0°♎	
	-3382 Sep 09 j 16:59	0°♏	
	-3382 Oct 19 j 19:57	0°♐	
	-3382 Nov 28 j 23:17	0°♑	
	-3381 Jan 09 j 04:59	0°♒	
	-3381 Feb 21 j 03:01	0°♓	
evening set	-3381 Mar 25 j 03:09	21°♓35'28	
	-3381 Apr 06 j 19:55	0°♈	
asc. node	-3381 Apr 07 j 21:44	0°♈42'31	
conjunction	-3381 May 14 j 13:35	24°♈34'37	0°20'36
minimum elong	-3381 May 14 j 12:47	24°♈33'20	0°20'37
	-3381 May 22 j 23:47	0°♉	
max. Earth dist.	-3381 May 24 j 04:22	0°♉45'56	2.65437 AU
morning rise	-3381 Jun 30 j 17:24	24°♉44'32	
	-3381 Jul 08 j 23:57	0°♊	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

	-3381 Aug 25 j 07:03	0°♋	
	-3381 Oct 11 j 17:53	0°♌	
	-3381 Nov 28 j 22:10	0°♍	
	-3380 Jan 18 j 22:33	0°♎	
	-3380 Mar 31 j 17:32	0°♏	
retrograde	-3380 Apr 14 j 15:23	1°♏11'07	
desc. node	-3380 Apr 14 j 20:51	1°♏11'05	
	-3380 Apr 28 j 13:28	30°℞♎	
opposition	-3380 May 15 j 08:28	26°♎03'04	-2°11'30
greatest brilliancy	-3380 May 15 j 14:22	25°♎59'00	-2.9m
min. Earth dist.	-3380 May 19 j 02:08	25°♎01'37	0.38688 AU
direct	-3380 Jun 15 j 23:09	20°♎28'21	
	-3380 Jul 25 j 22:19	0°♏	
	-3380 Sep 17 j 20:12	0°♐	
	-3380 Nov 02 j 05:11	0°♑	
	-3380 Dec 16 j 13:38	0°♒	
	-3379 Jan 30 j 13:36	0°♓	
asc. node	-3379 Feb 22 j 19:56	15°♓14'04	
	-3379 Mar 17 j 15:22	0°♈	
	-3379 May 03 j 13:33	0°♉	
evening set	-3379 May 04 j 19:42	0°♉47'57	
max. Earth dist.	-3379 Jun 16 j 02:13	27°♉41'45	2.67058 AU
	-3379 Jun 19 j 16:53	0°♊	
conjunction	-3379 Jun 20 j 23:03	0°♊48'08	0°57'01
minimum elong	-3379 Jun 20 j 21:50	0°♊46'11	0°57'07
morning rise	-3379 Aug 05 j 02:36	29°♊50'54	
	-3379 Aug 05 j 08:13	0°♋	
	-3379 Sep 20 j 00:20	0°♌	
	-3379 Nov 03 j 14:25	0°♍	
	-3379 Dec 17 j 06:52	0°♎	
	-3378 Jan 29 j 12:23	0°♏	
desc. node	-3378 Mar 02 j 21:32	22°♏15'34	
	-3378 Mar 14 j 09:42	0°♐	
	-3378 May 02 j 00:36	0°♑	
retrograde	-3378 Jun 28 j 21:56	18°♑40'54	
min. Earth dist.	-3378 Jul 25 j 15:56	13°♑58'58	0.41982 AU
greatest brilliancy	-3378 Jul 31 j 14:29	12°♑06'58	-2.6m
opposition	-3378 Aug 02 j 03:21	11°♑37'46	-6°25'03
direct	-3378 Sep 02 j 05:45	5°♑46'46	
	-3378 Nov 14 j 09:19	0°♒	
	-3377 Jan 06 j 07:16	0°♓	
asc. node	-3377 Jan 10 j 19:12	2°♓40'54	
	-3377 Feb 24 j 20:36	0°♈	
	-3377 Apr 14 j 12:34	0°♉	
	-3377 Jun 01 j 09:33	0°♊	
evening set	-3377 Jun 12 j 03:32	6°♊50'08	
max. Earth dist.	-3377 Jul 10 j 08:10	24°♊59'28	2.63312 AU
	-3377 Jul 18 j 00:24	0°♋	
conjunction	-3377 Jul 28 j 16:49	7°♋01'20	1°10'57
minimum elong	-3377 Jul 28 j 16:49	7°♋01'19	1°11'05
	-3377 Aug 31 j 23:31	0°♌	
morning rise	-3377 Sep 12 j 22:58	8°♌11'59	
	-3377 Oct 14 j 04:09	0°♍	
	-3377 Nov 24 j 18:55	0°♎	
	-3376 Jan 04 j 05:23	0°♏	
desc. node	-3376 Jan 18 j 21:41	11°♏01'19	
	-3376 Feb 13 j 02:44	0°♐	
	-3376 Mar 24 j 10:14	0°♑	
	-3376 May 05 j 22:29	0°♒	
	-3376 Jun 24 j 19:20	0°♓	
retrograde	-3376 Aug 17 j 17:35	15°♓59'58	
min. Earth dist.	-3376 Sep 18 j 11:12	9°♓08'42	0.54420 AU
opposition	-3376 Sep 25 j 08:33	6°♓29'33	-2°46'21
greatest brilliancy	-3376 Sep 24 j 17:14	6°♓44'19	-1.9m
	-3376 Oct 16 j 05:22	30°℞♒	
direct	-3376 Oct 30 j 19:33	28°♒33'11	
	-3376 Nov 15 j 08:22	0°♓	
asc. node	-3376 Nov 27 j 18:37	2°♓55'12	
	-3375 Jan 29 j 01:21	0°♈	
	-3375 Mar 23 j 14:29	0°♉	
	-3375 May 12 j 08:12	0°♊	
	-3375 Jun 28 j 13:32	0°♋	
evening set	-3375 Jul 20 j 14:36	14°♋33'13	
max. Earth dist.	-3375 Aug 07 j 12:07	26°♋38'50	2.54532 AU
	-3375 Aug 12 j 09:33	0°♌	
conjunction	-3375 Sep 07 j 15:44	18°♌19'29	0°52'58
minimum elong	-3375 Sep 07 j 17:23	18°♌22'26	0°53'02
	-3375 Sep 23 j 23:21	0°♍	
morning rise	-3375 Oct 29 j 15:17	26°♍14'17	
	-3375 Nov 03 j 15:38	0°♎	
desc. node	-3375 Dec 05 j 19:32	24°♎28'11	
	-3375 Dec 12 j 23:56	0°♏	
	-3374 Jan 20 j 17:36	0°♐	
	-3374 Feb 28 j 16:56	0°♑	
	-3374 Apr 09 j 22:12	0°♒	
	-3374 May 22 j 18:41	0°♓	
	-3374 Jul 10 j 05:19	0°♈	
retrograde	-3374 Sep 25 j 09:02	26°♈47'58	
asc. node	-3374 Oct 15 j 18:56	23°♈54'43	
min. Earth dist.	-3374 Oct 31 j 21:02	18°♈13'55	0.63781 AU
opposition	-3374 Nov 04 j 08:22	16°♈50'09	0°46'11
greatest brilliancy	-3374 Nov 04 j 05:38	16°♈52'55	-1.5m
direct	-3374 Dec 13 j 01:25	7°♈39'43	
	-3373 Feb 24 j 15:51	0°♉	
	-3373 Apr 21 j 05:02	0°♊	
	-3373 Jun 09 j 05:33	0°♋	
	-3373 Jul 24 j 13:04	0°♌	
evening set	-3373 Sep 04 j 11:38	29°♌38'05	
	-3373 Sep 04 j 23:41	0°♍	
max. Earth dist.	-3373 Sep 22 j 18:29	13°♍05'10	2.42294 AU
	-3373 Oct 15 j 05:39	0°♎	
desc. node	-3373 Oct 23 j 17:32	6°♎29'39	
conjunction	-3373 Oct 30 j 19:17	11°♎56'08	-0°05'01
minimum elong	-3373 Oct 30 j 18:55	11°♎55'26	0°05'02
behind sun begin	-3373 Oct 29 j 18:27	11°♎08'18	
behind sun end	-3373 Oct 31 j 19:23	12°♎42'36	
	-3373 Nov 23 j 01:13	0°♏	
	-3373 Dec 31 j 06:46	0°♐	
morning rise	-3372 Jan 02 j 22:29	2°♐04'59	
	-3372 Feb 07 j 19:18	0°♑	
	-3372 Mar 18 j 11:44	0°♒	
	-3372 Apr 29 j 04:41	0°♓	
	-3372 Jun 12 j 21:29	0°♈	
	-3372 Aug 01 j 16:57	0°♉	
asc. node	-3372 Sep 01 j 19:10	15°♉50'12	
	-3372 Oct 13 j 23:23	0°♊	
retrograde	-3372 Oct 29 j 05:28	1°♊23'06	
	-3372 Nov 12 j 15:25	30°℞♉	
opposition	-3372 Dec 08 j 01:34	21°♉44'25	3°16'48
greatest brilliancy	-3372 Dec 08 j 00:49	21°♉45'11	-1.3m
min. Earth dist.	-3372 Dec 08 j 08:27	21°♉37'31	0.67260 AU
direct	-3371 Jan 17 j 16:40	11°♉54'35	
	-3371 Mar 22 j 23:08	0°♊	
	-3371 May 17 j 10:17	0°♋	
	-3371 Jul 03 j 12:10	0°♌	
	-3371 Aug 15 j 10:27	0°♍	
desc. node	-3371 Sep 09 j 16:29	18°♍38'18	
	-3371 Sep 24 j 16:35	0°♎	
evening set	-3371 Nov 02 j 02:21	29°♎48'02	
	-3371 Nov 02 j 08:26	0°♏	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

	-3371 Dec 10 j 10:15	0°♐	
conjunction	-3370 Jan 06 j 17:38	21°♐23'02	-1°04'22
minimum elong	-3370 Jan 06 j 15:49	21°♐19'31	1°04'29
	-3370 Jan 17 j 20:44	0°♑	
max. Earth dist.	-3370 Feb 24 j 09:17	28°♑25'38	2.41344 AU
	-3370 Feb 26 j 12:10	0°♒	
morning rise	-3370 Mar 14 j 08:56	11°♒38'32	
	-3370 Apr 09 j 00:59	0°♓	
	-3370 May 22 j 22:33	0°♈	
	-3370 Jul 08 j 16:18	0°♉	
asc. node	-3370 Jul 20 j 17:56	7°♉23'55	
	-3370 Aug 28 j 16:11	0°♊	
	-3370 Nov 02 j 16:57	0°♋	
retrograde	-3370 Dec 04 j 08:01	5°♋17'23	
	-3369 Jan 02 j 05:26	30℞♊	
opposition	-3369 Jan 11 j 23:12	26°♊21'36	4°46'17
greatest brilliancy	-3369 Jan 12 j 13:49	26°♊07'18	-1.4m
min. Earth dist.	-3369 Jan 16 j 02:00	24°♊45'00	0.64335 AU
direct	-3369 Feb 22 j 03:29	16°♊21'10	
	-3369 Apr 16 j 01:49	0°♋	
	-3369 Jun 10 j 02:44	0°♌	
	-3369 Jul 25 j 02:10	0°♍	
desc. node	-3369 Jul 28 j 14:39	2°♍29'30	
	-3369 Sep 04 j 01:29	0°♎	
	-3369 Oct 13 j 00:42	0°♏	
	-3369 Nov 20 j 07:46	0°♐	
	-3369 Dec 29 j 00:17	0°♑	
evening set	-3368 Jan 10 j 01:18	9°♑10'17	
	-3368 Feb 06 j 22:52	0°♒	
conjunction	-3368 Mar 10 j 22:21	23°♒47'38	-0°47'37
minimum elong	-3368 Mar 11 j 00:35	23°♒51'35	0°47'40
	-3368 Mar 19 j 17:58	0°♓	
max. Earth dist.	-3368 Apr 15 j 07:55	18°♓20'10	2.54230 AU
	-3368 May 02 j 15:37	0°♈	
morning rise	-3368 May 05 j 21:41	2°♈10'02	
asc. node	-3368 Jun 06 j 16:52	22°♈59'28	
	-3368 Jun 17 j 14:55	0°♉	
	-3368 Aug 04 j 14:33	0°♊	
	-3368 Sep 24 j 09:16	0°♋	
	-3368 Nov 22 j 09:14	0°♌	
retrograde	-3367 Jan 15 j 07:22	13°♌30'20	
opposition	-3367 Feb 20 j 12:23	5°♌46'00	4°45'02
greatest brilliancy	-3367 Feb 21 j 19:19	5°♌17'35	-1.8m
min. Earth dist.	-3367 Feb 28 j 03:03	2°♌58'58	0.55148 AU
	-3367 Mar 09 j 03:35	30℞♋	
direct	-3367 Apr 01 j 06:48	26°♋24'47	
	-3367 Apr 25 j 13:17	0°♌	
desc. node	-3367 Jun 14 j 13:18	22°♌39'21	
	-3367 Jun 26 j 18:10	0°♍	
	-3367 Aug 10 j 04:02	0°♎	
	-3367 Sep 19 j 14:41	0°♏	
	-3367 Oct 28 j 20:28	0°♐	
	-3367 Dec 07 j 08:20	0°♑	
	-3366 Jan 17 j 01:05	0°♒	
	-3366 Feb 28 j 12:22	0°♓	
evening set	-3366 Mar 06 j 17:40	4°♓17'00	
	-3366 Apr 13 j 21:14	0°♈	
asc. node	-3366 Apr 24 j 15:04	7°♈05'25	
conjunction	-3366 Apr 28 j 08:40	9°♈32'27	0°02'12
minimum elong	-3366 Apr 28 j 08:32	9°♈32'14	0°02'12
behind sun begin	-3366 Apr 27 j 11:45	8°♈58'10	
behind sun end	-3366 Apr 29 j 05:19	10°♈06'16	
max. Earth dist.	-3366 May 14 j 09:04	19°♈59'13	2.63297 AU
	-3366 May 29 j 21:09	0°♉	
morning rise	-3366 Jun 16 j 04:34	11°♉05'23	
	-3366 Jul 15 j 23:33	0°♊	
	-3366 Sep 01 j 19:18	0°♋	
	-3366 Oct 20 j 14:12	0°♌	
	-3366 Dec 11 j 02:28	0°♍	
	-3365 Feb 15 j 01:59	0°♎	
retrograde	-3365 Mar 16 j 08:06	4°♎41'01	
	-3365 Apr 13 j 15:38	30℞♍	
opposition	-3365 Apr 17 j 09:22	28°♍52'59	1°00'13
greatest brilliancy	-3365 Apr 17 j 17:42	28°♍46'39	-2.6m
min. Earth dist.	-3365 Apr 24 j 17:28	26°♍39'19	0.42309 AU
desc. node	-3365 May 02 j 13:47	24°♍30'49	
direct	-3365 May 22 j 01:43	22°♍00'46	
	-3365 Jun 26 j 23:24	0°♎	
	-3365 Aug 20 j 01:26	0°♏	
	-3365 Oct 02 j 19:15	0°♐	
	-3365 Nov 13 j 23:32	0°♑	
	-3365 Dec 26 j 14:53	0°♒	
	-3364 Feb 08 j 13:16	0°♓	
asc. node	-3364 Mar 11 j 12:11	21°♓12'33	
	-3364 Mar 24 j 22:49	0°♈	
evening set	-3364 Apr 19 j 06:14	16°♈22'49	
	-3364 May 10 j 11:51	0°♉	
conjunction	-3364 Jun 06 j 08:13	17°♉08'15	0°45'07
minimum elong	-3364 Jun 06 j 06:57	17°♉06'13	0°45'10
max. Earth dist.	-3364 Jun 06 j 23:46	17°♉33'02	2.67066 AU
	-3364 Jun 26 j 12:16	0°♊	
morning rise	-3364 Jul 21 j 22:19	16°♊15'11	
	-3364 Aug 12 j 07:36	0°♋	
	-3364 Sep 27 j 12:08	0°♌	
	-3364 Nov 12 j 01:37	0°♍	
	-3364 Dec 27 j 09:09	0°♎	
	-3363 Feb 11 j 09:33	0°♏	
desc. node	-3363 Mar 19 j 14:17	22°♏08'55	
	-3363 Apr 02 j 17:50	0°♐	
retrograde	-3363 Jun 02 j 11:30	19°♐26'28	
min. Earth dist.	-3363 Jun 29 j 20:52	14°♐58'31	0.38531 AU
greatest brilliancy	-3363 Jul 03 j 06:31	14°♐01'21	-2.8m
opposition	-3363 Jul 04 j 05:47	13°♐45'01	-6°18'51
direct	-3363 Aug 03 j 02:59	8°♐38'32	
	-3363 Oct 08 j 06:36	0°♑	
	-3363 Nov 29 j 02:36	0°♒	
	-3362 Jan 16 j 06:01	0°♓	
asc. node	-3362 Jan 27 j 10:34	7°♓02'08	
	-3362 Mar 04 j 23:27	0°♈	
	-3362 Apr 21 j 18:54	0°♉	
evening set	-3362 May 28 j 08:02	23°♉02'31	
	-3362 Jun 08 j 07:03	0°♊	
max. Earth dist.	-3362 Jun 30 j 13:48	14°♊15'17	2.65408 AU
conjunction	-3362 Jul 13 j 19:19	22°♊47'54	1°08'45
minimum elong	-3362 Jul 13 j 18:41	22°♊46'53	1°08'52
	-3362 Jul 24 j 20:49	0°♋	
morning rise	-3362 Aug 28 j 05:07	22°♋42'59	
	-3362 Sep 08 j 00:56	0°♌	
	-3362 Oct 21 j 15:47	0°♍	
	-3362 Dec 02 j 21:09	0°♎	
	-3361 Jan 13 j 01:32	0°♏	
desc. node	-3361 Feb 04 j 14:05	16°♏34'19	
	-3361 Feb 22 j 20:27	0°♐	
	-3361 Apr 05 j 11:26	0°♑	
	-3361 May 21 j 01:31	0°♒	
retrograde	-3361 Aug 01 j 02:06	26°♒35'59	
min. Earth dist.	-3361 Aug 30 j 15:43	20°♒35'46	0.49566 AU
greatest brilliancy	-3361 Sep 06 j 08:33	18°♒08'37	-2.2m
opposition	-3361 Sep 07 j 11:17	17°♒44'01	-4°22'03

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

direct	-3361 Oct 11 j 07:44	10°♒30'26	
asc. node	-3361 Dec 15 j 10:10	29°♒48'23	
	-3361 Dec 15 j 19:52	0°♓	
	-3360 Feb 09 j 21:33	0°♈	
	-3360 Mar 31 j 19:41	0°♉	
	-3360 May 19 j 15:15	0°♊	
evening set	-3360 Jul 04 j 19:28	29°♊30'56	
	-3360 Jul 05 j 13:17	0°♋	
max. Earth dist.	-3360 Jul 26 j 05:00	13°♋38'24	2.58541 AU
	-3360 Aug 19 j 09:38	0°♌	
conjunction	-3360 Aug 21 j 09:55	1°♌22'49	1°04'28
minimum elong	-3360 Aug 21 j 11:02	1°♌24'44	1°04'35
	-3360 Oct 01 j 04:09	0°♍	
morning rise	-3360 Oct 09 j 09:52	5°♍56'08	
	-3360 Nov 11 j 03:43	0°♎	
	-3360 Dec 20 j 20:06	0°♏	
desc. node	-3360 Dec 22 j 14:11	1°♏20'28	
	-3359 Jan 28 j 21:36	0°♐	
	-3359 Mar 09 j 04:56	0°♑	
	-3359 Apr 18 j 21:46	0°♒	
	-3359 Jun 01 j 22:28	0°♓	
	-3359 Jul 25 j 14:56	0°♈	
retrograde	-3359 Sep 11 j 03:50	12°♈16'31	
min. Earth dist.	-3359 Oct 15 j 22:37	4°♈18'21	0.60763 AU
opposition	-3359 Oct 20 j 20:20	2°♈21'03	-0°28'39
greatest brilliancy	-3359 Oct 20 j 18:28	2°♈22'54	-1.7m
	-3359 Oct 26 j 21:31	30°♓	
asc. node	-3359 Nov 01 j 09:29	28°♓03'06	
direct	-3359 Nov 27 j 10:56	23°♓34'31	
	-3358 Jan 01 j 13:05	0°♈	
	-3358 Mar 08 j 04:21	0°♉	
	-3358 Apr 29 j 12:53	0°♊	
	-3358 Jun 16 j 15:50	0°♋	
	-3358 Jul 31 j 17:27	0°♌	
evening set	-3358 Aug 16 j 09:42	10°♌52'50	
max. Earth dist.	-3358 Aug 31 j 15:27	21°♌40'33	2.47279 AU
	-3358 Sep 12 j 04:36	0°♍	
conjunction	-3358 Oct 08 j 03:09	19°♍07'02	0°22'03
minimum elong	-3358 Oct 08 j 04:25	19°♍09'25	0°22'04
	-3358 Oct 22 j 14:02	0°♎	
desc. node	-3358 Nov 09 j 11:54	13°♎41'02	
	-3358 Nov 30 j 13:48	0°♏	
morning rise	-3358 Dec 05 j 23:18	4°♏12'15	
	-3357 Jan 07 j 22:58	0°♐	
	-3357 Feb 15 j 14:12	0°♑	
	-3357 Mar 27 j 09:08	0°♒	
	-3357 May 08 j 07:31	0°♓	
	-3357 Jun 22 j 18:43	0°♈	
	-3357 Aug 14 j 21:36	0°♉	
asc. node	-3357 Sep 19 j 09:20	14°♉11'55	
retrograde	-3357 Oct 16 j 19:32	18°♉28'32	
opposition	-3357 Nov 25 j 20:16	8°♉39'01	2°25'38
min. Earth dist.	-3357 Nov 24 j 15:20	9°♉08'08	0.66645 AU
greatest brilliancy	-3357 Nov 25 j 16:34	8°♉42'44	-1.4m
	-3357 Dec 23 j 13:25	30°♈	
direct	-3356 Jan 04 j 21:20	29°♈01'17	
	-3356 Jan 17 j 21:09	0°♉	
	-3356 Apr 04 j 07:08	0°♊	
	-3356 May 26 j 02:29	0°♋	
	-3356 Jul 11 j 06:36	0°♌	
	-3356 Aug 22 j 22:34	0°♍	
desc. node	-3356 Sep 26 j 09:15	25°♍36'21	
	-3356 Oct 02 j 03:50	0°♎	
evening set	-3356 Oct 07 j 20:41	4°♎21'53	
	-3356 Nov 09 j 20:32	0°♏	
conjunction	-3356 Dec 09 j 15:31	23°♏27'04	-0°47'57
minimum elong	-3356 Dec 09 j 12:20	23°♏20'47	0°48'00
	-3356 Dec 17 j 23:04	0°♐	
max. Earth dist.	-3356 Dec 23 j 20:28	4°♐37'56	2.37599 AU
	-3355 Jan 25 j 09:30	0°♑	
morning rise	-3355 Feb 16 j 02:08	16°♑34'44	
	-3355 Mar 06 j 00:06	0°♒	
	-3355 Apr 16 j 12:26	0°♓	
	-3355 May 30 j 13:29	0°♈	
	-3355 Jul 16 j 23:44	0°♉	
asc. node	-3355 Aug 06 j 09:51	12°♉01'18	
	-3355 Sep 08 j 20:30	0°♊	
retrograde	-3355 Nov 19 j 20:16	22°♊05'09	
opposition	-3355 Dec 29 j 02:01	12°♊49'46	4°19'34
greatest brilliancy	-3355 Dec 29 j 09:37	12°♊42'15	-1.3m
min. Earth dist.	-3355 Dec 31 j 16:41	11°♊47'44	0.66249 AU
direct	-3354 Feb 08 j 05:48	2°♊49'27	
	-3354 Apr 30 j 10:54	0°♋	
	-3354 Jun 19 j 15:42	0°♌	
	-3354 Aug 02 j 12:26	0°♍	
desc. node	-3354 Aug 14 j 07:41	8°♍31'57	
	-3354 Sep 12 j 02:19	0°♎	
	-3354 Oct 20 j 21:05	0°♏	
	-3354 Nov 28 j 00:44	0°♐	
evening set	-3354 Dec 14 j 18:22	13°♐06'20	
	-3353 Jan 05 j 13:39	0°♑	
	-3353 Feb 14 j 08:14	0°♒	
conjunction	-3353 Feb 17 j 00:06	1°♒57'45	-1°01'57
minimum elong	-3353 Feb 17 j 02:02	2°♒01'18	1°02'02
	-3353 Mar 27 j 23:29	0°♓	
max. Earth dist.	-3353 Apr 01 j 11:18	3°♓08'49	2.49448 AU
morning rise	-3353 Apr 18 j 01:37	14°♓37'51	
	-3353 May 10 j 19:17	0°♈	
asc. node	-3353 Jun 24 j 08:57	29°♈00'58	
	-3353 Jun 25 j 22:10	0°♉	
	-3353 Aug 13 j 15:24	0°♊	
	-3353 Oct 06 j 00:40	0°♋	
retrograde	-3353 Dec 29 j 07:01	27°♋54'30	
opposition	-3352 Feb 04 j 15:09	19°♋37'38	5°00'52
greatest brilliancy	-3352 Feb 05 j 16:57	19°♋13'08	-1.6m
min. Earth dist.	-3352 Feb 10 j 23:32	17°♋13'21	0.59436 AU
direct	-3352 Mar 16 j 06:28	9°♋52'11	
	-3352 May 19 j 23:20	0°♌	
desc. node	-3352 Jul 01 j 06:37	25°♌09'47	
	-3352 Jul 08 j 13:47	0°♍	
	-3352 Aug 19 j 22:55	0°♎	
	-3352 Sep 28 j 13:47	0°♏	
	-3352 Nov 06 j 07:04	0°♐	
	-3352 Dec 15 j 08:36	0°♑	
	-3351 Jan 24 j 15:56	0°♒	
evening set	-3351 Feb 14 j 13:16	15°♒03'09	
	-3351 Mar 07 j 18:54	0°♓	
conjunction	-3351 Apr 10 j 22:54	23°♓20'43	-0°17'32
minimum elong	-3351 Apr 10 j 23:45	23°♓22'09	0°17'32
	-3351 Apr 20 j 21:45	0°♈	
max. Earth dist.	-3351 May 04 j 02:10	8°♈43'31	2.60361 AU
asc. node	-3351 May 11 j 06:31	13°♈26'14	
morning rise	-3351 Jun 01 j 00:17	26°♈54'29	
	-3351 Jun 05 j 19:34	0°♉	
	-3351 Jul 23 j 02:59	0°♊	
	-3351 Sep 09 j 17:27	0°♋	
	-3351 Oct 30 j 15:02	0°♌	
	-3351 Dec 28 j 19:50	0°♍	
retrograde	-3350 Feb 17 j 23:17	12°♍30'40	
opposition	-3350 Mar 23 j 21:14	5°♍52'30	3°10'07

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

greatest brilliancy	-3350 Mar 24 j 23:28	5°♍30'36	-2.3m
min. Earth dist.	-3350 Apr 01 j 10:04	3°♍02'12	0.47288 AU
	-3350 Apr 11 j 23:55	30°℞♌	
direct	-3350 Apr 30 j 03:38	27°♌45'47	
	-3350 May 18 j 14:12	0°♍	
desc. node	-3350 May 19 j 05:28	0°♍09'05	
	-3350 Jul 20 j 19:18	0°♎	
	-3350 Sep 02 j 19:07	0°♏	
	-3350 Oct 13 j 18:07	0°♐	
	-3350 Nov 23 j 10:08	0°♑	
	-3349 Jan 04 j 00:55	0°♒	
	-3349 Feb 16 j 05:30	0°♓	
asc. node	-3349 Mar 29 j 04:15	27°♓24'21	
	-3349 Apr 02 j 02:52	0°♈	
evening set	-3349 Apr 03 j 22:17	1°♈11'17	
	-3349 May 18 j 08:58	0°♉	
conjunction	-3349 May 23 j 09:19	3°♉12'58	0°30'18
minimum elong	-3349 May 23 j 08:15	3°♉11'17	0°30'21
max. Earth dist.	-3349 May 29 j 16:48	7°♉15'31	2.66252 AU
	-3349 Jul 04 j 08:28	0°♊	
morning rise	-3349 Jul 08 j 20:29	2°♊51'54	
	-3349 Aug 20 j 10:38	0°♋	
	-3349 Oct 06 j 08:43	0°♌	
	-3349 Nov 22 j 08:59	0°♍	
	-3348 Jan 09 j 12:34	0°♎	
	-3348 Mar 02 j 17:15	0°♏	
desc. node	-3348 Apr 05 j 07:05	13°♏54'24	
retrograde	-3348 May 02 j 22:13	18°♏22'44	
opposition	-3348 Jun 02 j 06:08	13°♏21'09	-4°05'59
greatest brilliancy	-3348 Jun 02 j 06:51	13°♏20'41	-2.9m
min. Earth dist.	-3348 Jun 03 j 03:16	13°♏07'09	0.37731 AU
direct	-3348 Jul 02 j 14:27	8°♏14'41	
	-3348 Sep 05 j 20:39	0°♐	
	-3348 Oct 25 j 08:33	0°♑	
	-3348 Dec 10 j 07:11	0°♒	
	-3347 Jan 25 j 02:56	0°♓	
asc. node	-3347 Feb 13 j 01:41	12°♓16'30	
	-3347 Mar 12 j 16:07	0°♈	
	-3347 Apr 28 j 20:39	0°♉	
evening set	-3347 May 13 j 11:42	9°♉16'18	
	-3347 Jun 15 j 02:31	0°♊	
max. Earth dist.	-3347 Jun 21 j 10:28	4°♊02'28	2.66707 AU
conjunction	-3347 Jun 29 j 06:18	9°♊03'00	1°02'24
minimum elong	-3347 Jun 29 j 05:15	9°♊01'18	1°02'30
	-3347 Jul 31 j 17:09	0°♋	
morning rise	-3347 Aug 13 j 08:34	8°♋15'26	
	-3347 Sep 15 j 04:43	0°♌	
	-3347 Oct 29 j 09:49	0°♍	
	-3347 Dec 11 j 11:56	0°♎	
	-3346 Jan 22 j 19:49	0°♏	
desc. node	-3346 Feb 21 j 08:08	20°♏57'38	
	-3346 Mar 06 j 04:33	0°♐	
	-3346 Apr 19 j 17:37	0°♑	
	-3346 Jun 18 j 02:25	0°♒	
retrograde	-3346 Jul 11 j 22:10	3°♒47'54	
	-3346 Aug 04 j 04:56	30°℞♑	
min. Earth dist.	-3346 Aug 08 j 09:27	28°♑41'19	0.44513 AU
greatest brilliancy	-3346 Aug 14 j 21:59	26°♑30'10	-2.5m
opposition	-3346 Aug 16 j 09:51	25°♑59'50	-5°50'41
direct	-3346 Sep 17 j 12:38	19°♑38'23	
	-3346 Oct 31 j 16:30	0°♒	
	-3346 Dec 30 j 01:05	0°♓	
asc. node	-3345 Jan 01 j 00:25	1°♓07'07	
	-3345 Feb 19 j 04:44	0°♈	
	-3345 Apr 09 j 12:36	0°♉	
	-3345 May 27 j 16:46	0°♊	
evening set	-3345 Jun 20 j 16:36	15°♊16'18	
	-3345 Jul 13 j 10:12	0°♋	
max. Earth dist.	-3345 Jul 16 j 05:57	1°♋50'57	2.61822 AU
conjunction	-3345 Aug 06 j 11:13	15°♋53'44	1°10'05
minimum elong	-3345 Aug 06 j 11:36	15°♋54'24	1°10'12
	-3345 Aug 27 j 08:26	0°♌	
morning rise	-3345 Sep 22 j 11:14	18°♌03'01	
	-3345 Oct 09 j 09:31	0°♍	
	-3345 Nov 19 j 18:38	0°♎	
	-3345 Dec 29 j 22:12	0°♏	
desc. node	-3344 Jan 09 j 06:52	7°♏50'27	
	-3344 Feb 07 j 11:18	0°♐	
	-3344 Mar 18 j 07:54	0°♑	
	-3344 Apr 28 j 22:22	0°♒	
	-3344 Jun 14 j 12:03	0°♓	
retrograde	-3344 Aug 26 j 23:11	26°♓19'32	
min. Earth dist.	-3344 Sep 28 j 19:59	19°♓03'08	0.56861 AU
opposition	-3344 Oct 05 j 01:52	16°♓36'32	-1°53'35
greatest brilliancy	-3344 Oct 04 j 16:20	16°♓45'52	-1.8m
direct	-3344 Nov 10 j 08:33	8°♓20'25	
asc. node	-3344 Nov 18 j 00:35	8°♓42'12	
	-3343 Jan 20 j 16:46	0°♈	
	-3343 Mar 17 j 19:27	0°♉	
	-3343 May 07 j 07:50	0°♊	
	-3343 Jun 23 j 20:34	0°♋	
evening set	-3343 Jul 30 j 00:07	24°♋00'11	
	-3343 Aug 07 j 18:56	0°♌	
max. Earth dist.	-3343 Aug 15 j 08:36	5°♌13'18	2.52079 AU
conjunction	-3343 Sep 18 j 02:57	29°♌07'16	0°43'32
minimum elong	-3343 Sep 18 j 04:43	29°♌10'27	0°43'34
	-3343 Sep 19 j 08:09	0°♍	
	-3343 Oct 29 j 22:04	0°♎	
morning rise	-3343 Nov 11 j 05:32	9°♎19'52	
desc. node	-3343 Nov 26 j 05:07	20°♎48'11	
	-3343 Dec 08 j 03:12	0°♏	
	-3342 Jan 15 j 17:16	0°♐	
	-3342 Feb 23 j 12:51	0°♑	
	-3342 Apr 04 j 12:57	0°♒	
	-3342 May 16 j 22:03	0°♓	
	-3342 Jul 02 j 19:47	0°♈	
	-3342 Sep 03 j 07:40	0°♉	
retrograde	-3342 Oct 03 j 06:49	5°♉09'18	
asc. node	-3342 Oct 06 j 01:11	5°♉06'11	
	-3342 Oct 30 j 23:42	30°℞♈	
min. Earth dist.	-3342 Nov 09 j 15:52	26°♈17'47	0.65062 AU
opposition	-3342 Nov 12 j 08:10	25°♈13'07	1°25'25
greatest brilliancy	-3342 Nov 12 j 04:08	25°♈17'11	-1.4m
direct	-3342 Dec 21 j 14:08	15°♈51'45	
	-3341 Feb 15 j 06:32	0°♉	
	-3341 Apr 15 j 07:01	0°♊	
	-3341 Jun 04 j 03:33	0°♋	
	-3341 Jul 19 j 18:14	0°♌	
	-3341 Aug 31 j 07:12	0°♍	
evening set	-3341 Sep 16 j 05:11	11°♍41'23	
	-3341 Oct 10 j 13:19	0°♎	
max. Earth dist.	-3341 Oct 11 j 09:13	0°♎37'55	2.39817 AU
desc. node	-3341 Oct 14 j 03:07	2°♎43'41	
conjunction	-3341 Nov 13 j 19:19	26°♎27'33	-0°21'26
minimum elong	-3341 Nov 13 j 17:38	26°♎24'15	0°21'27
	-3341 Nov 18 j 08:00	0°♏	
	-3341 Dec 26 j 12:07	0°♐	
morning rise	-3340 Jan 19 j 08:07	18°♐39'34	
	-3340 Feb 02 j 23:12	0°♑	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

	-3340 Mar 13 j 13:56	0°♒	
	-3340 Apr 24 j 03:31	0°♓	
	-3340 Jun 07 j 11:55	0°♈	
	-3340 Jul 26 j 02:40	0°♉	
asc. node	-3340 Aug 23 j 00:50	15°♉17'32	
	-3340 Sep 24 j 11:28	0°♊	
retrograde	-3340 Nov 06 j 00:20	9°♊11'41	
	-3340 Dec 14 j 20:53	30°℞♉	
opposition	-3340 Dec 15 j 16:36	29°♉40'20	3°42'36
greatest brilliancy	-3340 Dec 15 j 18:21	29°♉38'35	-1.3m
min. Earth dist.	-3340 Dec 16 j 19:08	29°♉13'51	0.67170 AU
direct	-3339 Jan 25 j 13:58	19°♉45'35	
	-3339 Mar 12 j 09:14	0°♊	
	-3339 May 11 j 06:34	0°♋	
	-3339 Jun 28 j 05:46	0°♌	
	-3339 Aug 10 j 11:21	0°♍	
desc. node	-3339 Aug 31 j 00:49	15°♍04'18	
	-3339 Sep 19 j 20:17	0°♎	
	-3339 Oct 28 j 13:17	0°♏	
evening set	-3339 Nov 17 j 07:48	15°♏33'35	
	-3339 Dec 05 j 15:33	0°♐	
	-3338 Jan 13 j 02:25	0°♑	
conjunction	-3338 Jan 22 j 06:05	7°♑01'33	-1°07'16
minimum elong	-3338 Jan 22 j 05:56	7°♑01'16	1°07'23
	-3338 Feb 21 j 18:13	0°♒	
max. Earth dist.	-3338 Mar 12 j 10:09	13°♒40'31	2.44210 AU
morning rise	-3338 Mar 27 j 17:38	24°♒39'49	
	-3338 Apr 04 j 06:40	0°♓	
	-3338 May 18 j 02:06	0°♈	
	-3338 Jul 03 j 11:57	0°♉	
asc. node	-3338 Jul 11 j 00:36	4°♉41'19	
	-3338 Aug 22 j 09:31	0°♊	
	-3338 Oct 20 j 01:06	0°♋	
retrograde	-3338 Dec 13 j 00:25	13°♋32'05	
opposition	-3337 Jan 20 j 06:12	4°♋48'40	4°55'56
greatest brilliancy	-3337 Jan 21 j 00:55	4°♋30'30	-1.5m
min. Earth dist.	-3337 Jan 25 j 04:34	2°♋54'01	0.62855 AU
	-3337 Feb 02 j 02:35	30°℞♊	
direct	-3337 Mar 02 j 08:32	24°♊51'04	
	-3337 Apr 01 j 18:15	0°♋	
	-3337 Jun 03 j 07:10	0°♌	
desc. node	-3337 Jul 18 j 23:41	29°♌42'01	
	-3337 Jul 19 j 10:02	0°♍	
	-3337 Aug 29 j 18:49	0°♎	
	-3337 Oct 07 j 22:32	0°♏	
	-3337 Nov 15 j 08:17	0°♐	
	-3337 Dec 24 j 03:04	0°♑	
evening set	-3336 Jan 24 j 00:38	23°♑15'49	
	-3336 Feb 02 j 03:52	0°♒	
	-3336 Mar 15 j 00:41	0°♓	
conjunction	-3336 Mar 22 j 19:48	5°♓25'40	-0°37'10
minimum elong	-3336 Mar 22 j 21:39	5°♓28'52	0°37'12
max. Earth dist.	-3336 Apr 22 j 16:15	26°♓27'40	2.56637 AU
	-3336 Apr 27 j 23:12	0°♈	
morning rise	-3336 May 15 j 19:14	11°♈48'11	
asc. node	-3336 May 27 j 22:55	19°♈44'13	
	-3336 Jun 12 j 20:38	0°♉	
	-3336 Jul 30 j 12:28	0°♊	
	-3336 Sep 18 j 07:07	0°♋	
	-3336 Nov 12 j 00:46	0°♌	
retrograde	-3335 Jan 26 j 12:47	23°♌34'28	
opposition	-3335 Mar 03 j 00:58	16°♌11'07	4°22'14
greatest brilliancy	-3335 Mar 04 j 08:35	15°♌42'50	-2.0m
min. Earth dist.	-3335 Mar 11 j 05:15	13°♌16'32	0.52489 AU
direct	-3335 Apr 11 j 03:16	7°♌10'19	
desc. node	-3335 Jun 04 j 23:46	23°♌15'53	
	-3335 Jun 17 j 13:16	0°♍	
	-3335 Aug 03 j 09:24	0°♎	
	-3335 Sep 13 j 15:36	0°♏	
	-3335 Oct 23 j 07:36	0°♐	
	-3335 Dec 02 j 02:32	0°♑	
	-3334 Jan 12 j 00:57	0°♒	
	-3334 Feb 23 j 16:35	0°♓	
evening set	-3334 Mar 17 j 10:29	14°♓48'27	
	-3334 Apr 09 j 04:43	0°♈	
asc. node	-3334 Apr 14 j 19:33	3°♈42'30	
conjunction	-3334 May 07 j 18:30	18°♈42'43	0°13'05
minimum elong	-3334 May 07 j 17:58	18°♈41'50	0°13'07
behind sun begin	-3334 May 07 j 06:26	18°♈23'09	
behind sun end	-3334 May 08 j 05:30	19°♈00'32	
max. Earth dist.	-3334 May 20 j 03:30	26°♈43'01	2.64591 AU
	-3334 May 25 j 05:52	0°♉	
morning rise	-3334 Jun 24 j 14:22	19°♉24'46	
	-3334 Jul 11 j 06:24	0°♊	
	-3334 Aug 27 j 18:28	0°♋	
	-3334 Oct 14 j 17:34	0°♌	
	-3334 Dec 03 j 02:02	0°♍	
	-3333 Jan 26 j 16:16	0°♎	
retrograde	-3333 Apr 01 j 21:47	19°♎28'33	
desc. node	-3333 Apr 22 j 23:40	16°♎49'04	
opposition	-3333 May 03 j 03:33	14°♎05'26	-0°42'43
greatest brilliancy	-3333 May 03 j 06:57	14°♎03'00	-2.8m
min. Earth dist.	-3333 May 08 j 19:02	12°♎28'24	0.40058 AU
direct	-3333 Jun 05 j 02:09	7°♎58'05	
	-3333 Aug 08 j 11:11	0°♏	
	-3333 Sep 24 j 21:46	0°♐	
	-3333 Nov 07 j 12:28	0°♑	
	-3333 Dec 20 j 23:14	0°♒	
	-3332 Feb 03 j 09:30	0°♓	
asc. node	-3332 Mar 01 j 17:36	18°♓02'12	
	-3332 Mar 20 j 02:42	0°♈	
evening set	-3332 Apr 28 j 06:20	25°♈10'05	
	-3332 May 05 j 20:00	0°♉	
max. Earth dist.	-3332 Jun 12 j 08:54	23°♉54'56	2.67173 AU
conjunction	-3332 Jun 14 j 18:22	25°♉26'32	0°52'25
minimum elong	-3332 Jun 14 j 17:06	25°♉24'30	0°52'30
	-3332 Jun 21 j 21:49	0°♊	
morning rise	-3332 Jul 30 j 01:05	24°♊27'12	
	-3332 Aug 07 j 15:10	0°♋	
	-3332 Sep 22 j 12:51	0°♌	
	-3332 Nov 06 j 12:59	0°♍	
	-3332 Dec 20 j 20:54	0°♎	
	-3331 Feb 03 j 02:22	0°♏	
desc. node	-3331 Mar 10 j 00:17	23°♏06'31	
	-3331 Mar 20 j 20:21	0°♐	
	-3331 May 16 j 05:04	0°♑	
retrograde	-3331 Jun 17 j 23:54	6°♑46'45	
min. Earth dist.	-3331 Jul 14 j 14:43	2°♑17'36	0.40187 AU
greatest brilliancy	-3331 Jul 19 j 16:23	0°♑47'11	-2.7m
opposition	-3331 Jul 21 j 01:47	0°♑22'13	-6°36'10
	-3331 Jul 22 j 07:43	30°℞♐	
direct	-3331 Aug 20 j 10:52	24°♐54'19	
	-3331 Sep 18 j 20:48	0°♑	
	-3331 Nov 20 j 16:15	0°♒	
	-3330 Jan 10 j 00:50	0°♓	
asc. node	-3330 Jan 17 j 16:50	4°♓41'52	
	-3330 Feb 27 j 16:21	0°♈	
	-3330 Apr 16 j 22:23	0°♉	
	-3330 Jun 03 j 15:28	0°♊	
evening set	-3330 Jun 05 j 20:01	1°♊23'26	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

max. Earth dist.	-3330 Jul 06 j 05:13	20°♊51'48	2.64354 AU
	-3330 Jul 20 j 06:32	0°♋	
conjunction	-3330 Jul 22 j 07:00	1°♋19'15	1°10'34
minimum elong	-3330 Jul 22 j 06:42	1°♋18'46	1°10'40
	-3330 Sep 03 j 08:37	0°♌	
morning rise	-3330 Sep 06 j 02:07	1°♌51'08	
	-3330 Oct 16 j 18:36	0°♍	
	-3330 Nov 27 j 16:09	0°♎	
	-3329 Jan 07 j 10:29	0°♏	
desc. node	-3329 Jan 26 j 00:25	13°♏50'37	
	-3329 Feb 16 j 16:07	0°♐	
	-3329 Mar 29 j 10:23	0°♑	
	-3329 May 11 j 20:12	0°♒	
	-3329 Jul 05 j 07:27	0°♓	
retrograde	-3329 Aug 11 j 09:05	8°♓24'51	
min. Earth dist.	-3329 Sep 11 j 03:52	1°♓56'08	0.52291 AU
	-3329 Sep 16 j 07:03	30°℞♒	
opposition	-3329 Sep 18 j 13:03	29°♒08'47	-3°27'00
greatest brilliancy	-3329 Sep 17 j 16:48	29°♒27'56	-2.0m
direct	-3329 Oct 23 j 07:01	21°♒30'32	
	-3329 Dec 02 j 14:23	0°♓	
asc. node	-3329 Dec 05 j 16:00	1°♓09'23	
	-3328 Feb 03 j 03:19	0°♈	
	-3328 Mar 26 j 10:17	0°♉	
	-3328 May 14 j 18:21	0°♊	
	-3328 Jun 30 j 21:22	0°♋	
evening set	-3328 Jul 13 j 18:20	8°♋27'11	
max. Earth dist.	-3328 Aug 02 j 01:39	21°♋21'15	2.56406 AU
	-3328 Aug 14 j 18:32	0°♌	
conjunction	-3328 Aug 31 j 01:44	11°♌16'42	0°58'35
minimum elong	-3328 Aug 31 j 03:12	11°♌19'16	0°58'40
	-3328 Sep 26 j 11:32	0°♍	
morning rise	-3328 Oct 20 j 14:02	17°♍33'35	
	-3328 Nov 06 j 07:48	0°♎	
desc. node	-3328 Dec 12 j 22:37	27°♎46'29	
	-3328 Dec 15 j 20:13	0°♏	
	-3327 Jan 23 j 17:16	0°♐	
	-3327 Mar 03 j 19:21	0°♑	
	-3327 Apr 13 j 04:00	0°♒	
	-3327 May 26 j 08:16	0°♓	
	-3327 Jul 15 j 04:45	0°♈	
retrograde	-3327 Sep 19 j 09:15	21°♈09'50	
asc. node	-3327 Oct 22 j 15:48	13°♈50'39	
min. Earth dist.	-3327 Oct 25 j 03:40	12°♈51'32	0.62538 AU
opposition	-3327 Oct 29 j 06:55	11°♈12'09	0°16'02
greatest brilliancy	-3327 Oct 29 j 05:50	11°♈13'14	-1.6m
direct	-3327 Dec 06 j 13:19	2°♈11'44	
	-3326 Mar 01 j 00:44	0°♉	
	-3326 Apr 24 j 02:21	0°♊	
	-3326 Jun 11 j 18:27	0°♋	
	-3326 Jul 27 j 00:35	0°♌	
evening set	-3326 Aug 27 j 00:24	21°♌42'15	
	-3326 Sep 07 j 12:38	0°♍	
max. Earth dist.	-3326 Sep 11 j 23:22	3°♍14'20	2.44493 AU
	-3326 Oct 17 j 20:54	0°♎	
conjunction	-3326 Oct 20 j 15:02	2°♎05'44	0°07'11
minimum elong	-3326 Oct 20 j 15:31	2°♎06'39	0°07'10
behind sun begin	-3326 Oct 19 j 17:10	1°♎24'08	
behind sun end	-3326 Oct 21 j 13:53	2°♎49'12	
desc. node	-3326 Oct 30 j 20:22	9°♎54'42	
	-3326 Nov 25 j 18:49	0°♏	
morning rise	-3326 Dec 21 j 10:39	20°♏05'25	
	-3325 Jan 03 j 01:53	0°♐	
	-3325 Feb 10 j 15:03	0°♑	
	-3325 Mar 22 j 07:36	0°♒	
	-3325 May 03 j 01:04	0°♓	
	-3325 Jun 16 j 22:39	0°♈	
	-3325 Aug 06 j 16:57	0°♉	
asc. node	-3325 Sep 09 j 16:20	16°♉05'59	
retrograde	-3325 Oct 24 j 12:04	26°♉21'23	
opposition	-3325 Dec 03 j 11:15	16°♉37'24	2°56'28
greatest brilliancy	-3325 Dec 03 j 08:52	16°♉39'47	-1.3m
min. Earth dist.	-3325 Dec 03 j 01:54	16°♉46'47	0.67114 AU
direct	-3324 Jan 12 j 21:18	6°♉52'31	
	-3324 Mar 27 j 18:46	0°♊	
	-3324 May 20 j 13:09	0°♋	
	-3324 Jul 06 j 06:39	0°♌	
	-3324 Aug 18 j 03:30	0°♍	
desc. node	-3324 Sep 16 j 19:20	21°♍56'47	
	-3324 Sep 27 j 10:05	0°♎	
evening set	-3324 Oct 21 j 18:50	18°♎47'42	
	-3324 Nov 05 j 02:46	0°♏	
	-3324 Dec 13 j 04:42	0°♐	
conjunction	-3324 Dec 25 j 11:39	9°♐39'44	-0°58'56
minimum elong	-3324 Dec 25 j 08:52	9°♐34'16	0°59'00
	-3323 Jan 20 j 14:24	0°♑	
max. Earth dist.	-3323 Feb 06 j 15:56	13°♑04'33	2.39243 AU
	-3323 Mar 01 j 04:24	0°♒	
morning rise	-3323 Mar 03 j 09:01	1°♒37'29	
	-3323 Apr 11 j 15:27	0°♓	
	-3323 May 25 j 12:43	0°♈	
	-3323 Jul 11 j 10:40	0°♉	
asc. node	-3323 Jul 27 j 15:15	9°♉47'22	
	-3323 Sep 01 j 07:41	0°♊	
	-3323 Nov 25 j 08:20	0°♋	
retrograde	-3323 Nov 28 j 01:05	0°♋02'43	
	-3323 Nov 30 j 17:07	30°℞♊	
opposition	-3322 Jan 05 j 23:42	20°♊57'36	4°36'12
greatest brilliancy	-3322 Jan 06 j 11:04	20°♊46'25	-1.4m
min. Earth dist.	-3322 Jan 09 j 10:17	19°♊36'25	0.65325 AU
direct	-3322 Feb 16 j 05:03	10°♊56'36	
	-3322 Apr 22 j 01:39	0°♋	
	-3322 Jun 13 j 17:15	0°♌	
	-3322 Jul 28 j 05:50	0°♍	
desc. node	-3322 Aug 04 j 17:38	5°♍21'13	
	-3322 Sep 07 j 01:43	0°♎	
	-3322 Oct 15 j 23:24	0°♏	
	-3322 Nov 23 j 04:42	0°♐	
evening set	-3322 Dec 29 j 19:45	28°♐29'40	
	-3322 Dec 31 j 18:47	0°♑	
	-3321 Feb 09 j 14:26	0°♒	
conjunction	-3321 Mar 02 j 08:11	15°♒07'13	-0°54'30
minimum elong	-3321 Mar 02 j 10:29	15°♒11'21	0°54'33
	-3321 Mar 23 j 06:18	0°♓	
max. Earth dist.	-3321 Apr 10 j 11:59	12°♓40'19	2.52153 AU
morning rise	-3321 Apr 29 j 01:49	25°♓18'41	
	-3321 May 06 j 01:37	0°♈	
asc. node	-3321 Jun 14 j 13:56	25°♈52'13	
	-3321 Jun 21 j 00:49	0°♉	
	-3321 Aug 08 j 06:00	0°♊	
	-3321 Sep 28 j 21:27	0°♋	
	-3321 Dec 02 j 02:55	0°♌	
retrograde	-3320 Jan 08 j 06:38	7°♌03'18	
	-3320 Feb 11 j 11:55	30°℞♋	
opposition	-3320 Feb 14 j 01:05	29°♋03'30	4°54'19
greatest brilliancy	-3320 Feb 15 j 06:03	28°♋36'28	-1.7m
min. Earth dist.	-3320 Feb 21 j 03:32	26°♋25'06	0.57168 AU
direct	-3320 Mar 25 j 06:57	19°♋29'48	
	-3320 May 08 j 04:34	0°♌	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

desc. node	-3320 Jun 21 j 15:53	23°♌43'19		
	-3320 Jul 01 j 14:28	0°♍		
	-3320 Aug 14 j 00:34	0°♎		
	-3320 Sep 23 j 02:01	0°♏		
	-3320 Nov 01 j 01:37	0°♐		
	-3320 Dec 10 j 07:48	0°♑		
	-3319 Jan 19 j 19:09	0°♒		
evening set	-3319 Feb 26 j 06:38	26°♒40'40		
	-3319 Mar 03 j 01:14	0°♓		
	-3319 Apr 16 j 06:06	0°♈		
conjunction	-3319 Apr 21 j 01:51	3°♈11'59	-0°06'05	
minimum elong	-3319 Apr 21 j 02:07	3°♈12'26	0°06'04	
behind sun begin	-3319 Apr 20 j 06:07	2°♈39'19		
behind sun end	-3319 Apr 21 j 22:07	3°♈45'32		
asc. node	-3319 May 01 j 12:22	10°♈05'04		
max. Earth dist.	-3319 May 10 j 06:06	15°♈48'18	2.62076 AU	
	-3319 Jun 01 j 03:51	0°♉		
morning rise	-3319 Jun 09 j 19:52	5°♉33'52		
	-3319 Jul 18 j 07:35	0°♊		
	-3319 Sep 04 j 10:13	0°♋		
	-3319 Oct 23 j 23:25	0°♌		
	-3319 Dec 16 j 19:06	0°♍		
retrograde	-3318 Mar 04 j 07:44	24°♍58'50		
opposition	-3318 Apr 06 j 04:31	18°♍48'14	2°04'09	
greatest brilliancy	-3318 Apr 06 j 22:10	18°♍34'11	-2.5m	
min. Earth dist.	-3318 Apr 14 j 07:22	16°♍13'32	0.44456 AU	
desc. node	-3318 May 09 j 15:59	11°♍22'50		
direct	-3318 May 12 j 03:17	11°♍20'17		
	-3318 Jul 09 j 08:11	0°♎		
	-3318 Aug 26 j 00:32	0°♏		
	-3318 Oct 07 j 06:12	0°♐		
	-3318 Nov 17 j 15:06	0°♑		
	-3318 Dec 29 j 17:24	0°♒		
	-3317 Feb 11 j 06:05	0°♓		
asc. node	-3317 Mar 19 j 09:37	24°♓06'41		
	-3317 Mar 28 j 09:00	0°♈		
evening set	-3317 Apr 13 j 09:35	10°♈26'24		
	-3317 May 13 j 18:03	0°♉		
conjunction	-3317 Jun 01 j 01:02	11°♉41'53	0°39'14	
minimum elong	-3317 May 31 j 23:49	11°♉39'56	0°39'18	
max. Earth dist.	-3317 Jun 04 j 02:44	13°♉39'32	2.66806 AU	
	-3317 Jun 29 j 17:43	0°♊		
morning rise	-3317 Jul 16 j 23:11	10°♊59'31		
	-3317 Aug 15 j 15:52	0°♋		
	-3317 Oct 01 j 03:43	0°♌		
	-3317 Nov 16 j 07:11	0°♍		
	-3316 Jan 01 j 15:28	0°♎		
	-3316 Feb 18 j 19:06	0°♏		
desc. node	-3316 Mar 26 j 16:55	20°♏21'12		
	-3316 Apr 18 j 04:41	0°♐		
retrograde	-3316 May 20 j 12:23	6°♐14'22		
min. Earth dist.	-3316 Jun 18 j 05:46	1°♐33'33	0.37786 AU	
opposition	-3316 Jun 20 j 09:40	0°♐58'32	-5°36'32	
greatest brilliancy	-3316 Jun 19 j 21:45	1°♐06'35	-2.9m	
	-3316 Jun 24 j 01:05	30°℞♏		
direct	-3316 Jul 20 j 06:31	25°♏59'36		
	-3316 Aug 14 j 16:37	0°♐		
	-3316 Oct 16 j 01:24	0°♑		
	-3316 Dec 03 j 13:12	0°♒		
	-3315 Jan 19 j 11:45	0°♓		
asc. node	-3315 Feb 03 j 07:47	9°♓28'23		
	-3315 Mar 07 j 14:55	0°♈		
	-3315 Apr 24 j 02:54	0°♉		
evening set	-3315 May 22 j 00:47	17°♉38'00		
	-3315 Jun 10 j 12:16	0°♊		
max. Earth dist.	-3315 Jun 26 j 19:37	10°♊25'08	2.66089 AU	
conjunction	-3315 Jul 07 j 14:02	17°♊20'26	1°06'33	
minimum elong	-3315 Jul 07 j 13:13	17°♊19'06	1°06'39	
	-3315 Jul 27 j 02:49	0°♋		
morning rise	-3315 Aug 21 j 19:01	16°♋52'37		
	-3315 Sep 10 j 10:40	0°♌		
	-3315 Oct 24 j 08:13	0°♍		
	-3315 Dec 05 j 22:31	0°♎		
	-3314 Jan 16 j 14:09	0°♏		
desc. node	-3314 Feb 11 j 16:33	18°♏57'10		
	-3314 Feb 26 j 22:53	0°♐		
	-3314 Apr 10 j 11:57	0°♑		
	-3314 May 28 j 20:22	0°♒		
retrograde	-3314 Jul 23 j 17:23	17°♒37'09		
min. Earth dist.	-3314 Aug 21 j 08:20	12°♒00'59	0.47292 AU	
greatest brilliancy	-3314 Aug 28 j 01:33	9°♒38'14	-2.3m	
opposition	-3314 Aug 29 j 09:00	9°♒10'12	-5°02'35	
direct	-3314 Oct 01 j 10:29	2°♒18'58		
	-3314 Dec 21 j 17:45	0°♓		
asc. node	-3314 Dec 22 j 07:20	0°♓17'47		
	-3313 Feb 13 j 06:12	0°♈		
	-3313 Apr 04 j 10:09	0°♉		
	-3313 May 22 j 23:09	0°♊		
evening set	-3313 Jun 29 j 06:50	23°♊47'32		
	-3313 Jul 08 j 19:58	0°♋		
max. Earth dist.	-3313 Jul 22 j 09:46	8°♋55'32	2.60108 AU	
conjunction	-3313 Aug 15 j 10:35	25°♋01'19	1°07'30	
minimum elong	-3313 Aug 15 j 11:24	25°♋02'41	1°07'36	
	-3313 Aug 22 j 18:06	0°♌		
morning rise	-3313 Oct 02 j 10:34	28°♌23'47		
	-3313 Oct 04 j 16:31	0°♍		
	-3313 Nov 14 j 20:50	0°♎		
	-3313 Dec 24 j 18:20	0°♏		
desc. node	-3313 Dec 30 j 16:37	4°♏30'45		
	-3312 Feb 02 j 00:34	0°♐		
	-3312 Mar 12 j 12:22	0°♑		
	-3312 Apr 22 j 11:51	0°♒		
	-3312 Jun 06 j 05:50	0°♓		
	-3312 Aug 03 j 23:26	0°♈		
retrograde	-3312 Sep 04 j 19:10	6°♈05'33		
	-3312 Oct 04 j 15:46	30°℞♓		
min. Earth dist.	-3312 Oct 08 j 18:17	28°♓25'34	0.59129 AU	
opposition	-3312 Oct 14 j 07:08	26°♓14'11	-1°03'13	
greatest brilliancy	-3312 Oct 14 j 02:26	26°♓18'50	-1.7m	
asc. node	-3312 Nov 08 j 06:28	18°♓38'18		
direct	-3312 Nov 20 j 08:48	17°♓40'19		
	-3311 Jan 10 j 04:44	0°♈		
	-3311 Mar 11 j 15:20	0°♉		
	-3311 May 02 j 04:18	0°♊		
	-3311 Jun 19 j 02:03	0°♋		
	-3311 Aug 03 j 03:28	0°♌		
evening set	-3311 Aug 08 j 17:36	3°♌50'47		
max. Earth dist.	-3311 Aug 24 j 01:41	14°♌32'50	2.49488 AU	
	-3311 Sep 14 j 16:51	0°♍		
conjunction	-3311 Sep 29 j 04:06	10°♍33'51	0°32'01	
minimum elong	-3311 Sep 29 j 05:42	10°♍36'49	0°32'03	
	-3311 Oct 25 j 05:09	0°♎		
desc. node	-3311 Nov 16 j 14:58	17°♎05'33		
morning rise	-3311 Nov 24 j 18:18	23°♎22'08		
	-3311 Dec 03 j 07:47	0°♏		
	-3310 Jan 10 j 19:06	0°♐		
	-3310 Feb 18 j 11:28	0°♑		
	-3310 Mar 30 j 07:15	0°♒		
	-3310 May 11 j 07:51	0°♓		

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

	-3310 Jun 26 j 04:33	0°♈	
	-3310 Aug 20 j 13:53	0°♉	
asc. node	-3310 Sep 26 j 06:16	11°♉58'07	
retrograde	-3310 Oct 11 j 01:49	13°♉19'29	
min. Earth dist.	-3310 Nov 18 j 07:06	4°♉11'37	0.66064 AU
opposition	-3310 Nov 20 j 04:05	3°♉26'23	2°01'41
greatest brilliancy	-3310 Nov 19 j 23:49	3°♉30'40	-1.4m
	-3310 Nov 28 j 24:00	30°℞♈	
direct	-3310 Dec 29 j 22:01	23°♈55'21	
	-3309 Feb 02 j 04:52	0°♉	
	-3309 Apr 08 j 22:45	0°♊	
	-3309 May 29 j 21:56	0°♋	
	-3309 Jul 14 j 21:26	0°♌	
	-3309 Aug 26 j 13:28	0°♍	
evening set	-3309 Sep 28 j 16:29	24°♍34'24	
desc. node	-3309 Oct 04 j 12:22	28°♍59'49	
	-3309 Oct 05 j 19:58	0°♎	
max. Earth dist.	-3309 Nov 09 j 16:39	26°♎57'13	2.37943 AU
	-3309 Nov 13 j 14:04	0°♏	
conjunction	-3309 Nov 28 j 15:30	11°♏49'43	-0°37'13
minimum elong	-3309 Nov 28 j 12:42	11°♏44'12	0°37'15
	-3309 Dec 21 j 17:22	0°♐	
	-3308 Jan 29 j 03:30	0°♑	
morning rise	-3308 Feb 04 j 17:15	5°♑03'43	
	-3308 Mar 08 j 17:06	0°♒	
	-3308 Apr 19 j 04:26	0°♓	
	-3308 Jun 02 j 06:18	0°♈	
	-3308 Jul 20 j 00:32	0°♉	
asc. node	-3308 Aug 13 j 07:03	13°♉57'12	
	-3308 Sep 13 j 16:10	0°♊	
retrograde	-3308 Nov 13 j 21:13	17°♊01'44	
opposition	-3308 Dec 23 j 08:46	7°♊38'40	4°05'11
greatest brilliancy	-3308 Dec 23 j 13:34	7°♊33'54	-1.3m
min. Earth dist.	-3308 Dec 25 j 07:10	6°♊52'34	0.66792 AU
	-3307 Jan 14 j 12:05	30°℞♉	
direct	-3307 Feb 02 j 11:04	27°♉40'18	
	-3307 Feb 22 j 17:47	0°♊	
	-3307 May 04 j 13:53	0°♋	
	-3307 Jun 22 j 19:03	0°♌	
	-3307 Aug 05 j 10:25	0°♍	
desc. node	-3307 Aug 21 j 10:37	11°♍38'29	
	-3307 Sep 14 j 22:54	0°♎	
	-3307 Oct 23 j 17:15	0°♏	
	-3307 Nov 30 j 20:09	0°♐	
evening set	-3307 Dec 02 j 19:13	1°♐32'31	
	-3306 Jan 08 j 07:26	0°♑	
conjunction	-3306 Feb 06 j 02:55	21°♑54'19	-1°05'38
minimum elong	-3306 Feb 06 j 04:11	21°♑56'42	1°05'44
	-3306 Feb 16 j 23:43	0°♒	
max. Earth dist.	-3306 Mar 24 j 20:33	25°♒59'57	2.47136 AU
	-3306 Mar 30 j 12:24	0°♓	
morning rise	-3306 Apr 09 j 04:32	6°♓46'18	
	-3306 May 13 j 06:25	0°♈	
	-3306 Jun 28 j 10:29	0°♉	
asc. node	-3306 Jul 01 j 06:28	1°♉47'15	
	-3306 Aug 16 j 12:41	0°♊	
	-3306 Oct 10 j 11:56	0°♋	
retrograde	-3306 Dec 22 j 02:42	22°♋04'27	
opposition	-3305 Jan 28 j 21:39	13°♋34'57	5°00'28
greatest brilliancy	-3305 Jan 29 j 20:23	13°♋13'09	-1.6m
min. Earth dist.	-3305 Feb 03 j 15:26	11°♋23'10	0.61088 AU
direct	-3305 Mar 10 j 19:35	3°♋42'54	
	-3305 May 26 j 12:24	0°♌	
desc. node	-3305 Jul 09 j 09:26	27°♌16'43	
	-3305 Jul 13 j 09:52	0°♍	
	-3305 Aug 24 j 08:19	0°♎	
	-3305 Oct 02 j 18:17	0°♏	
	-3305 Nov 10 j 07:53	0°♐	
	-3305 Dec 19 j 05:27	0°♑	
	-3304 Jan 28 j 08:38	0°♒	
evening set	-3304 Feb 06 j 02:18	6°♒21'51	
	-3304 Mar 10 j 07:30	0°♓	
conjunction	-3304 Apr 02 j 23:04	16°♓18'02	-0°25'57
minimum elong	-3304 Apr 03 j 00:22	16°♓20'15	0°25'58
	-3304 Apr 23 j 07:00	0°♈	
max. Earth dist.	-3304 Apr 29 j 13:19	4°♈09'56	2.58787 AU
asc. node	-3304 May 18 j 04:05	16°♈24'57	
morning rise	-3304 May 25 j 05:34	21°♈00'47	
	-3304 Jun 08 j 03:27	0°♉	
	-3304 Jul 25 j 13:20	0°♊	
	-3304 Sep 12 j 13:40	0°♋	
	-3304 Nov 03 j 17:46	0°♌	
	-3303 Jan 10 j 06:03	0°♍	
retrograde	-3303 Feb 07 j 19:37	4°♍25'02	
	-3303 Mar 06 j 16:35	30°℞♌	
opposition	-3303 Mar 14 j 11:28	27°♌25'50	3°46'30
greatest brilliancy	-3303 Mar 15 j 17:18	27°♌00'04	-2.1m
min. Earth dist.	-3303 Mar 22 j 23:43	24°♌30'13	0.49636 AU
direct	-3303 Apr 21 j 16:14	18°♌52'07	
desc. node	-3303 May 26 j 08:09	26°♌07'34	
	-3303 Jun 04 j 14:35	0°♍	
	-3303 Jul 26 j 15:59	0°♎	
	-3303 Sep 07 j 05:09	0°♏	
	-3303 Oct 17 j 12:28	0°♐	
	-3303 Nov 26 j 17:26	0°♑	
	-3302 Jan 06 j 23:17	0°♒	
	-3302 Feb 18 j 20:35	0°♓	
evening set	-3302 Mar 27 j 13:41	24°♓44'29	
	-3302 Apr 04 j 12:28	0°♈	
asc. node	-3302 Apr 05 j 02:04	0°♈22'25	
conjunction	-3302 May 16 j 19:11	27°♈31'34	0°23'18
minimum elong	-3302 May 16 j 18:18	27°♈30'09	0°23'22
	-3302 May 20 j 15:26	0°♉	
max. Earth dist.	-3302 May 25 j 17:55	3°♉16'42	2.65610 AU
morning rise	-3302 Jul 02 j 19:30	27°♉34'41	
	-3302 Jul 06 j 14:55	0°♊	
	-3302 Aug 22 j 20:58	0°♋	
	-3302 Oct 09 j 05:03	0°♌	
	-3302 Nov 26 j 02:16	0°♍	
	-3301 Jan 15 j 06:03	0°♎	
	-3301 Mar 18 j 22:47	0°♏	
desc. node	-3301 Apr 13 j 09:30	5°♏26'23	
retrograde	-3301 Apr 19 j 18:24	5°♏41'21	
opposition	-3301 May 20 j 06:46	0°♏36'26	-2°38'58
greatest brilliancy	-3301 May 20 j 12:39	0°♏32'28	-2.9m
	-3301 May 22 j 12:33	30°℞♎	
min. Earth dist.	-3301 May 23 j 13:03	29°♎43'29	0.38409 AU
direct	-3301 Jun 20 j 13:38	25°♎09'06	
	-3301 Jul 18 j 08:33	0°♏	
	-3301 Sep 15 j 06:32	0°♐	
	-3301 Oct 31 j 09:01	0°♑	
	-3301 Dec 14 j 23:52	0°♒	
	-3300 Jan 29 j 02:28	0°♓	
asc. node	-3300 Feb 20 j 23:40	14°♓58'07	
	-3300 Mar 15 j 05:20	0°♈	
	-3300 May 01 j 04:08	0°♉	
evening set	-3300 May 07 j 01:07	3°♉44'05	
	-3300 Jun 17 j 08:07	0°♊	
max. Earth dist.	-3300 Jun 17 j 17:11	0°♊14'28	2.67026 AU

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

conjunction	-3300 Jun 23 j 01:59	3°♊40'04	0°58'37
minimum elong	-3300 Jun 23 j 00:49	3°♊38'12	0°58'42
	-3300 Aug 03 j 00:07	0°♋	
morning rise	-3300 Aug 07 j 04:44	2°♋43'22	
	-3300 Sep 17 j 16:35	0°♌	
	-3300 Nov 01 j 06:10	0°♍	
	-3300 Dec 14 j 20:39	0°♎	
	-3299 Jan 26 j 21:54	0°♏	
desc. node	-3299 Feb 28 j 11:04	22°♏33'22	
	-3299 Mar 11 j 09:21	0°♐	
	-3299 Apr 27 j 13:47	0°♑	
retrograde	-3299 Jul 02 j 02:09	22°♑58'08	
min. Earth dist.	-3299 Jul 28 j 22:04	18°♑11'45	0.42409 AU
greatest brilliancy	-3299 Aug 03 j 23:37	16°♑15'56	-2.6m
opposition	-3299 Aug 05 j 12:22	15°♑46'23	-6°19'20
direct	-3299 Sep 05 j 20:10	9°♑49'49	
	-3299 Nov 10 j 03:01	0°♒	
	-3298 Jan 03 j 06:59	0°♓	
asc. node	-3298 Jan 07 j 21:54	2°♓43'40	
	-3298 Feb 22 j 04:34	0°♈	
	-3298 Apr 12 j 00:14	0°♉	
	-3298 May 29 j 23:44	0°♊	
evening set	-3298 Jun 14 j 08:06	9°♊45'16	
max. Earth dist.	-3298 Jul 11 j 23:04	27°♊33'51	2.63058 AU
	-3298 Jul 15 j 16:42	0°♋	
conjunction	-3298 Jul 30 j 21:36	9°♋59'46	1°10'52
minimum elong	-3298 Jul 30 j 21:42	9°♋59'56	1°10'58
	-3298 Aug 29 j 17:30	0°♌	
morning rise	-3298 Sep 15 j 06:31	11°♌20'00	
	-3298 Oct 11 j 23:17	0°♍	
	-3298 Nov 22 j 14:27	0°♎	
	-3297 Jan 02 j 00:33	0°♏	
desc. node	-3297 Jan 16 j 09:43	10°♏48'37	
	-3297 Feb 10 j 20:27	0°♐	
	-3297 Mar 23 j 00:33	0°♑	
	-3297 May 04 j 04:22	0°♒	
	-3297 Jun 21 j 16:17	0°♓	
retrograde	-3297 Aug 21 j 00:56	19°♓19'39	
min. Earth dist.	-3297 Sep 21 j 23:41	12°♓24'24	0.54878 AU
opposition	-3297 Sep 28 j 19:15	9°♓46'40	-2°32'31
greatest brilliancy	-3297 Sep 28 j 05:22	10°♓00'03	-1.9m
direct	-3297 Nov 03 j 10:33	1°♓46'33	
asc. node	-3297 Nov 25 j 21:38	4°♓41'06	
	-3296 Jan 26 j 13:39	0°♈	
	-3296 Mar 20 j 19:37	0°♉	
	-3296 May 09 j 19:45	0°♊	
	-3296 Jun 26 j 05:05	0°♋	
evening set	-3296 Jul 22 j 22:07	17°♋37'46	
max. Earth dist.	-3296 Aug 09 j 08:41	29°♋26'44	2.54095 AU
	-3296 Aug 10 j 04:06	0°♌	
conjunction	-3296 Sep 10 j 02:53	21°♌36'43	0°50'44
minimum elong	-3296 Sep 10 j 04:35	21°♌39'43	0°50'47
	-3296 Sep 21 j 20:03	0°♍	
morning rise	-3296 Nov 01 j 11:13	29°♍55'34	
	-3296 Nov 01 j 13:34	0°♎	
desc. node	-3296 Dec 03 j 08:04	24°♎09'27	
	-3296 Dec 10 j 22:13	0°♏	
	-3295 Jan 18 j 15:21	0°♐	
	-3295 Feb 26 j 13:05	0°♑	
	-3295 Apr 07 j 15:19	0°♒	
	-3295 May 20 j 05:39	0°♓	
	-3295 Jul 06 j 23:15	0°♈	
retrograde	-3295 Sep 27 j 10:13	29°♈44'18	
asc. node	-3295 Oct 12 j 22:12	28°♈04'51	
min. Earth dist.	-3295 Nov 03 j 02:50	21°♈07'17	0.64047 AU
opposition	-3295 Nov 06 j 11:02	19°♈46'47	0°57'35
greatest brilliancy	-3295 Nov 06 j 07:44	19°♈50'05	-1.5m
direct	-3295 Dec 15 j 07:34	10°♈34'11	
	-3294 Feb 20 j 18:27	0°♉	
	-3294 Apr 18 j 09:13	0°♊	
	-3294 Jun 06 j 18:09	0°♋	
	-3294 Jul 22 j 06:31	0°♌	
	-3294 Sep 02 j 20:27	0°♍	
evening set	-3294 Sep 07 j 04:38	3°♍09'30	
max. Earth dist.	-3294 Sep 26 j 04:29	17°♍11'12	2.41821 AU
	-3294 Oct 13 j 04:31	0°♎	
desc. node	-3294 Oct 21 j 06:17	6°♎09'43	
conjunction	-3294 Nov 02 j 21:43	15°♎53'34	-0°08'55
minimum elong	-3294 Nov 02 j 21:03	15°♎52'17	0°08'56
behind sun begin	-3294 Nov 01 j 23:15	15°♎10'09	
behind sun end	-3294 Nov 03 j 18:51	16°♎34'26	
	-3294 Nov 21 j 01:02	0°♏	
	-3294 Dec 29 j 06:27	0°♐	
morning rise	-3293 Jan 06 j 12:47	6°♐29'01	
	-3293 Feb 05 j 17:49	0°♑	
	-3293 Mar 17 j 08:07	0°♒	
	-3293 Apr 27 j 21:43	0°♓	
	-3293 Jun 11 j 08:52	0°♈	
	-3293 Jul 30 j 14:37	0°♉	
asc. node	-3293 Aug 30 j 22:11	16°♉23'30	
	-3293 Oct 04 j 19:14	0°♊	
retrograde	-3293 Nov 01 j 05:38	4°♊12'04	
	-3293 Nov 26 j 13:20	30°℞♉	
opposition	-3293 Dec 11 j 02:04	24°♉34'39	3°24'25
greatest brilliancy	-3293 Dec 11 j 01:44	24°♉34'59	-1.3m
min. Earth dist.	-3293 Dec 11 j 12:32	24°♉24'12	0.67268 AU
direct	-3292 Jan 20 j 19:41	14°♉43'49	
	-3292 Mar 18 j 18:52	0°♊	
	-3292 May 14 j 15:02	0°♋	
	-3292 Jul 01 j 02:21	0°♌	
	-3292 Aug 13 j 05:30	0°♍	
desc. node	-3292 Sep 07 j 03:53	18°♍20'20	
	-3292 Sep 22 j 14:28	0°♎	
	-3292 Oct 31 j 07:50	0°♏	
evening set	-3292 Nov 05 j 12:43	4°♏05'08	
	-3292 Dec 08 j 10:02	0°♐	
conjunction	-3291 Jan 10 j 07:02	25°♐43'10	-1°05'28
minimum elong	-3291 Jan 10 j 05:36	25°♐40'23	1°05'33
	-3291 Jan 15 j 19:50	0°♑	
	-3291 Feb 24 j 09:42	0°♒	
max. Earth dist.	-3291 Feb 28 j 07:38	2°♒53'57	2.41868 AU
morning rise	-3291 Mar 17 j 13:07	15°♒30'03	
	-3291 Apr 06 j 20:07	0°♓	
	-3291 May 20 j 14:24	0°♈	
	-3291 Jul 06 j 03:09	0°♉	
asc. node	-3291 Jul 17 j 21:43	7°♉15'56	
	-3291 Aug 25 j 15:27	0°♊	
	-3291 Oct 27 j 06:47	0°♋	
retrograde	-3291 Dec 06 j 11:19	8°♋08'53	
	-3290 Jan 12 j 03:39	30°℞♊	
opposition	-3290 Jan 14 j 01:49	29°♊15'08	4°48'57
greatest brilliancy	-3290 Jan 14 j 17:14	29°♊00'05	-1.4m
min. Earth dist.	-3290 Jan 18 j 08:29	27°♊35'03	0.64081 AU
direct	-3290 Feb 24 j 07:06	19°♊15'09	
	-3290 Apr 11 j 07:43	0°♋	
	-3290 Jun 07 j 07:30	0°♌	
	-3290 Jul 22 j 17:25	0°♍	
desc. node	-3290 Jul 26 j 02:12	2°♍22'02	
	-3290 Sep 01 j 21:11	0°♎	
	-3290 Oct 10 j 22:24	0°♏	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

	-3290 Nov 18 j 06:01	0°♐	
	-3290 Dec 26 j 22:03	0°♑	
evening set	-3289 Jan 13 j 09:36	13°♑17'33	
	-3289 Feb 04 j 19:27	0°♒	
conjunction	-3289 Mar 14 j 20:43	27°♒25'03	-0°45'01
minimum elong	-3289 Mar 14 j 22:52	27°♒28'50	0°45'03
	-3289 Mar 18 j 12:53	0°♓	
max. Earth dist.	-3289 Apr 18 j 08:57	21°♓15'37	2.54725 AU
	-3289 May 01 j 08:30	0°♈	
morning rise	-3289 May 09 j 09:46	5°♈21'41	
asc. node	-3289 Jun 04 j 20:24	22°♈40'45	
	-3289 Jun 16 j 05:23	0°♉	
	-3289 Aug 03 j 01:15	0°♊	
	-3289 Sep 22 j 11:07	0°♋	
	-3289 Nov 18 j 19:35	0°♌	
retrograde	-3288 Jan 18 j 21:05	16°♌39'28	
opposition	-3288 Feb 24 j 00:10	8°♌58'49	4°39'15
greatest brilliancy	-3288 Feb 25 j 07:14	8°♌30'28	-1.9m
min. Earth dist.	-3288 Mar 02 j 18:45	6°♌09'17	0.54670 AU
	-3288 Mar 27 j 20:40	30°℞♋	
direct	-3288 Apr 03 j 17:18	29°♋40'59	
	-3288 Apr 10 j 16:17	0°♌	
desc. node	-3288 Jun 12 j 02:17	23°♌15'04	
	-3288 Jun 23 j 14:41	0°♍	
	-3288 Aug 07 j 16:22	0°♎	
	-3288 Sep 17 j 08:18	0°♏	
	-3288 Oct 26 j 15:58	0°♐	
	-3288 Dec 05 j 04:00	0°♑	
	-3287 Jan 14 j 19:59	0°♒	
	-3287 Feb 26 j 06:02	0°♓	
evening set	-3287 Mar 09 j 10:30	7°♓41'36	
	-3287 Apr 11 j 13:36	0°♈	
asc. node	-3287 Apr 21 j 17:08	6°♈42'20	
conjunction	-3287 Apr 30 j 18:55	12°♈39'39	0°05'15
minimum elong	-3287 Apr 30 j 18:42	12°♈39'18	0°05'17
behind sun begin	-3287 Apr 29 j 22:50	12°♈06'49	
behind sun end	-3287 May 01 j 14:34	13°♈11'45	
max. Earth dist.	-3287 May 16 j 03:59	22°♈40'15	2.63578 AU
	-3287 May 27 j 12:22	0°♉	
morning rise	-3287 Jun 18 j 09:26	14°♉00'56	
	-3287 Jul 13 j 13:35	0°♊	
	-3287 Aug 30 j 07:09	0°♋	
	-3287 Oct 17 j 20:42	0°♌	
	-3287 Dec 07 j 17:17	0°♍	
	-3286 Feb 06 j 22:10	0°♎	
retrograde	-3286 Mar 19 j 20:58	8°♎40'02	
opposition	-3286 Apr 20 j 19:20	2°♎56'39	0°37'15
greatest brilliancy	-3286 Apr 21 j 00:25	2°♎52'48	-2.7m
min. Earth dist.	-3286 Apr 27 j 20:24	0°♎49'33	0.41860 AU
desc. node	-3286 Apr 30 j 02:13	0°♎10'50	
	-3286 Apr 30 j 17:42	30°℞♍	
direct	-3286 May 25 j 03:05	26°♍12'38	
	-3286 Jun 18 j 05:34	0°♎	
	-3286 Aug 16 j 16:27	0°♏	
	-3286 Sep 30 j 02:28	0°♐	
	-3286 Nov 11 j 12:20	0°♑	
	-3286 Dec 24 j 05:41	0°♒	
	-3285 Feb 06 j 04:28	0°♓	
asc. node	-3285 Mar 09 j 14:51	20°♓52'07	
	-3285 Mar 23 j 13:51	0°♈	
evening set	-3285 Apr 22 j 14:32	19°♈25'06	
	-3285 May 09 j 02:47	0°♉	
conjunction	-3285 Jun 09 j 13:19	20°♉03'42	0°47'16
minimum elong	-3285 Jun 09 j 12:02	20°♉01'39	0°47'21
max. Earth dist.	-3285 Jun 09 j 12:37	20°♉02'36	2.67121 AU
	-3285 Jun 25 j 03:24	0°♊	
morning rise	-3285 Jul 25 j 01:22	19°♊07'55	
	-3285 Aug 10 j 22:54	0°♋	
	-3285 Sep 26 j 02:54	0°♌	
	-3285 Nov 10 j 14:16	0°♍	
	-3285 Dec 25 j 16:51	0°♎	
	-3284 Feb 09 j 06:09	0°♏	
desc. node	-3284 Mar 17 j 02:42	23°♏03'41	
	-3284 Mar 29 j 01:41	0°♐	
retrograde	-3284 Jun 06 j 03:21	24°♐07'00	
min. Earth dist.	-3284 Jul 03 j 05:21	19°♐41'01	0.38786 AU
greatest brilliancy	-3284 Jul 07 j 00:45	18°♐36'34	-2.8m
opposition	-3284 Jul 08 j 02:32	18°♐18'19	-6°26'54
direct	-3284 Aug 06 j 23:38	13°♐08'47	
	-3284 Oct 03 j 11:41	0°♑	
	-3284 Nov 26 j 00:05	0°♒	
	-3283 Jan 13 j 13:31	0°♓	
asc. node	-3283 Jan 24 j 13:58	6°♓53'52	
	-3283 Mar 02 j 10:41	0°♈	
	-3283 Apr 19 j 07:58	0°♉	
evening set	-3283 May 30 j 13:08	25°♉58'07	
	-3283 Jun 05 j 21:37	0°♊	
max. Earth dist.	-3283 Jul 02 j 08:24	16°♊54'57	2.65235 AU
conjunction	-3283 Jul 15 j 23:38	25°♊44'01	1°09'23
minimum elong	-3283 Jul 15 j 23:06	25°♊43'10	1°09'29
	-3283 Jul 22 j 12:54	0°♋	
morning rise	-3283 Aug 30 j 10:38	25°♋44'34	
	-3283 Sep 05 j 18:23	0°♌	
	-3283 Oct 19 j 10:01	0°♍	
	-3283 Nov 30 j 15:19	0°♎	
	-3282 Jan 10 j 18:32	0°♏	
desc. node	-3282 Feb 02 j 02:52	16°♏28'56	
	-3282 Feb 20 j 10:36	0°♐	
	-3282 Apr 02 j 19:02	0°♑	
	-3282 May 17 j 13:27	0°♒	
	-3282 Jul 28 j 16:35	0°♓	
retrograde	-3282 Aug 03 j 15:09	0°♓15'21	
	-3282 Aug 09 j 12:05	30°℞♒	
min. Earth dist.	-3282 Sep 02 j 10:42	24°♒10'12	0.50075 AU
greatest brilliancy	-3282 Sep 09 j 04:03	21°♒41'32	-2.1m
opposition	-3282 Sep 10 j 05:26	21°♒18'05	-4°08'30
direct	-3282 Oct 14 j 05:30	13°♒59'53	
	-3282 Dec 11 j 09:10	0°♓	
asc. node	-3282 Dec 12 j 13:10	0°♓31'54	
	-3281 Feb 06 j 21:21	0°♈	
	-3281 Mar 30 j 04:10	0°♉	
	-3281 May 18 j 03:56	0°♊	
	-3281 Jul 04 j 04:53	0°♋	
evening set	-3281 Jul 08 j 02:01	2°♋32'05	
max. Earth dist.	-3281 Jul 28 j 22:41	16°♋20'14	2.58149 AU
	-3281 Aug 18 j 03:35	0°♌	
conjunction	-3281 Aug 24 j 19:02	4°♌33'38	1°03'04
minimum elong	-3281 Aug 24 j 20:14	4°♌35'42	1°03'09
	-3281 Sep 29 j 23:55	0°♍	
morning rise	-3281 Oct 13 j 01:20	9°♍25'06	
	-3281 Nov 10 j 00:37	0°♎	
	-3281 Dec 19 j 17:25	0°♏	
desc. node	-3281 Dec 21 j 01:23	1°♏01'06	
	-3280 Jan 27 j 18:26	0°♐	
	-3280 Mar 07 j 00:02	0°♑	
	-3280 Apr 16 j 12:56	0°♒	
	-3280 May 30 j 04:12	0°♓	
	-3280 Jul 21 j 03:55	0°♈	
retrograde	-3280 Sep 13 j 06:17	15°♈18'19	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

min. Earth dist.	-3280 Oct 18 j 06:06	7°♈16'44	0.61115 AU
opposition	-3280 Oct 23 j 00:49	5°♈22'30	-0°16'03
greatest brilliancy	-3280 Oct 22 j 23:51	5°♈23'27	-1.6m
asc. node	-3280 Oct 29 j 12:36	2°♈51'21	
	-3280 Nov 06 j 22:50	30°℞♓	
direct	-3280 Nov 29 j 19:27	26°♓33'10	
	-3280 Dec 24 j 17:03	0°♈	
	-3279 Mar 04 j 23:18	0°♉	
	-3279 Apr 26 j 21:09	0°♊	
	-3279 Jun 14 j 06:01	0°♋	
	-3279 Jul 29 j 11:23	0°♌	
evening set	-3279 Aug 18 j 22:42	14°♌12'51	
max. Earth dist.	-3279 Sep 03 j 00:14	24°♌55'33	2.46734 AU
	-3279 Sep 10 j 01:05	0°♍	
conjunction	-3279 Oct 11 j 00:43	22°♍51'36	0°18'28
minimum elong	-3279 Oct 11 j 01:50	22°♍53'41	0°18'28
	-3279 Oct 20 j 12:02	0°♎	
desc. node	-3279 Nov 06 j 23:13	13°♎19'46	
	-3279 Nov 28 j 12:25	0°♏	
morning rise	-3279 Dec 09 j 10:55	8°♏31'43	
	-3278 Jan 05 j 21:21	0°♐	
	-3278 Feb 13 j 11:29	0°♑	
	-3278 Mar 25 j 04:16	0°♒	
	-3278 May 05 j 22:56	0°♓	
	-3278 Jun 20 j 02:35	0°♈	
	-3278 Aug 11 j 03:58	0°♉	
asc. node	-3278 Sep 16 j 13:27	15°♉32'23	
retrograde	-3278 Oct 18 j 18:47	21°♉17'23	
opposition	-3278 Nov 27 j 20:24	11°♉28'56	2°34'40
min. Earth dist.	-3278 Nov 26 j 19:08	11°♉54'17	0.66771 AU
greatest brilliancy	-3278 Nov 27 j 16:50	11°♉32'30	-1.4m
direct	-3277 Jan 07 j 00:21	1°♉49'42	
	-3277 Apr 02 j 00:01	0°♊	
	-3277 May 24 j 12:11	0°♋	
	-3277 Jul 09 j 23:12	0°♌	
	-3277 Aug 21 j 19:06	0°♍	
desc. node	-3277 Sep 24 j 22:10	25°♍18'10	
	-3277 Oct 01 j 02:36	0°♎	
evening set	-3277 Oct 11 j 23:01	8°♎18'50	
	-3277 Nov 08 j 20:11	0°♏	
conjunction	-3277 Dec 14 j 04:57	27°♏50'52	-0°50'52
minimum elong	-3277 Dec 14 j 01:44	27°♏44'32	0°50'56
	-3277 Dec 16 j 22:32	0°♐	
max. Earth dist.	-3276 Jan 05 j 16:09	15°♐29'43	2.37742 AU
	-3276 Jan 24 j 07:50	0°♑	
morning rise	-3276 Feb 20 j 16:54	20°♑54'19	
	-3276 Mar 03 j 20:29	0°♒	
	-3276 Apr 14 j 06:11	0°♓	
	-3276 May 28 j 03:28	0°♈	
	-3276 Jul 14 j 07:01	0°♉	
asc. node	-3276 Aug 03 j 12:53	12°♉02'28	
	-3276 Sep 05 j 06:58	0°♊	
retrograde	-3276 Nov 21 j 21:55	24°♊54'37	
opposition	-3276 Dec 31 j 03:27	15°♊41'01	4°24'16
greatest brilliancy	-3276 Dec 31 j 11:45	15°♊32'48	-1.3m
min. Earth dist.	-3275 Jan 02 j 21:59	14°♊35'20	0.66115 AU
direct	-3275 Feb 10 j 08:49	5°♊40'36	
	-3275 Apr 27 j 00:53	0°♋	
	-3275 Jun 17 j 02:02	0°♌	
	-3275 Jul 31 j 06:12	0°♍	
desc. node	-3275 Aug 11 j 20:36	8°♍20'43	
	-3275 Sep 09 j 23:50	0°♎	
	-3275 Oct 18 j 20:22	0°♏	
	-3275 Nov 26 j 00:23	0°♐	
evening set	-3275 Dec 18 j 04:08	17°♐20'30	
	-3274 Jan 03 j 12:31	0°♑	
	-3274 Feb 12 j 05:24	0°♒	
conjunction	-3274 Feb 20 j 04:18	5°♒51'34	-1°00'17
minimum elong	-3274 Feb 20 j 06:25	5°♒55'27	1°00'22
	-3274 Mar 25 j 18:23	0°♓	
max. Earth dist.	-3274 Apr 03 j 22:59	6°♓26'12	2.49959 AU
morning rise	-3274 Apr 20 j 19:35	18°♓03'45	
	-3274 May 08 j 11:32	0°♈	
asc. node	-3274 Jun 21 j 11:12	28°♈43'34	
	-3274 Jun 23 j 11:12	0°♉	
	-3274 Aug 10 j 22:51	0°♊	
	-3274 Oct 02 j 15:54	0°♋	
	-3274 Dec 19 j 03:58	0°♌	
retrograde	-3274 Dec 31 j 15:41	0°♌55'01	
	-3273 Jan 12 j 15:50	30°℞♋	
opposition	-3273 Feb 06 j 22:20	22°♋41'10	4°59'04
greatest brilliancy	-3273 Feb 08 j 00:47	22°♋16'11	-1.6m
min. Earth dist.	-3273 Feb 13 j 11:16	20°♋13'22	0.59034 AU
direct	-3273 Mar 19 j 13:24	12°♋57'45	
	-3273 May 17 j 00:13	0°♌	
desc. node	-3273 Jun 29 j 18:40	25°♌20'32	
	-3273 Jul 06 j 21:35	0°♍	
	-3273 Aug 18 j 15:16	0°♎	
	-3273 Sep 27 j 09:39	0°♏	
	-3273 Nov 05 j 04:18	0°♐	
	-3273 Dec 14 j 05:51	0°♑	
	-3272 Jan 23 j 12:16	0°♒	
evening set	-3272 Feb 18 j 09:31	18°♒37'42	
	-3272 Mar 05 j 13:44	0°♓	
conjunction	-3272 Apr 13 j 12:07	26°♓35'01	-0°14'27
minimum elong	-3272 Apr 13 j 12:48	26°♓36'11	0°14'27
behind sun begin	-3272 Apr 13 j 03:57	26°♓21'21	
behind sun end	-3272 Apr 13 j 21:40	26°♓51'01	
	-3272 Apr 18 j 14:48	0°♈	
max. Earth dist.	-3272 May 05 j 23:34	11°♈29'27	2.60696 AU
asc. node	-3272 May 08 j 09:54	13°♈05'11	
morning rise	-3272 Jun 03 j 07:10	29°♈54'10	
	-3272 Jun 03 j 10:47	0°♉	
	-3272 Jul 20 j 16:02	0°♊	
	-3272 Sep 07 j 02:36	0°♋	
	-3272 Oct 27 j 14:02	0°♌	
	-3272 Dec 23 j 19:36	0°♍	
retrograde	-3271 Feb 21 j 04:03	16°♍03'53	
opposition	-3271 Mar 26 j 20:09	9°♍30'50	2°55'11
greatest brilliancy	-3271 Mar 27 j 20:42	9°♍10'28	-2.3m
min. Earth dist.	-3271 Apr 04 j 07:29	6°♍42'42	0.46749 AU
direct	-3271 May 02 j 21:44	1°♍30'22	
desc. node	-3271 May 16 j 18:32	2°♍48'21	
	-3271 Jul 17 j 09:06	0°♎	
	-3271 Aug 31 j 03:25	0°♏	
	-3271 Oct 11 j 08:24	0°♐	
	-3271 Nov 21 j 02:38	0°♑	
	-3270 Jan 01 j 17:54	0°♒	
	-3270 Feb 13 j 22:08	0°♓	
asc. node	-3270 Mar 26 j 07:40	27°♓03'34	
	-3270 Mar 30 j 18:50	0°♈	
evening set	-3270 Apr 06 j 07:47	4°♈17'26	
	-3270 May 16 j 00:22	0°♉	
conjunction	-3270 May 25 j 14:46	6°♉09'24	0°32'51
minimum elong	-3270 May 25 j 13:39	6°♉07'36	0°32'55
max. Earth dist.	-3270 May 31 j 05:07	9°♉44'22	2.66373 AU
	-3270 Jul 01 j 23:24	0°♊	
morning rise	-3270 Jul 10 j 23:16	5°♊43'39	
	-3270 Aug 18 j 00:49	0°♋	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

	-3270 Oct 03 j 21:01	0°♌		
	-3270 Nov 19 j 16:39	0°♍		
	-3269 Jan 06 j 09:01	0°♎		
	-3269 Feb 26 j 22:20	0°♏		
desc. node	-3269 Apr 03 j 19:46	16°♏22'37		
retrograde	-3269 May 07 j 19:41	23°♏00'12		
opposition	-3269 Jun 07 j 05:26	17°♏57'19	-4°29'29	
greatest brilliancy	-3269 Jun 07 j 04:17	17°♏58'05	-2.9m	
min. Earth dist.	-3269 Jun 07 j 13:06	17°♏52'13	0.37668 AU	
direct	-3269 Jul 07 j 12:04	12°♏53'34		
	-3269 Sep 02 j 00:59	0°♐		
	-3269 Oct 23 j 06:01	0°♑		
	-3269 Dec 08 j 15:13	0°♒		
	-3268 Jan 23 j 14:52	0°♓		
asc. node	-3268 Feb 11 j 05:24	12°♓01'57		
	-3268 Mar 10 j 05:37	0°♈		
	-3268 Apr 26 j 11:05	0°♉		
evening set	-3268 May 15 j 16:21	12°♉10'25		
	-3268 Jun 12 j 17:54	0°♊		
max. Earth dist.	-3268 Jun 23 j 01:40	6°♊35'20	2.66611 AU	
conjunction	-3268 Jul 01 j 09:29	11°♊55'18	1°03'40	
minimum elong	-3268 Jul 01 j 08:29	11°♊53'42	1°03'46	
	-3268 Jul 29 j 09:25	0°♋		
morning rise	-3268 Aug 15 j 12:06	11°♋10'57		
	-3268 Sep 12 j 21:31	0°♌		
	-3268 Oct 27 j 02:18	0°♍		
	-3268 Dec 09 j 03:00	0°♎		
	-3267 Jan 20 j 07:55	0°♏		
desc. node	-3267 Feb 18 j 19:20	21°♏02'31		
	-3267 Mar 03 j 10:45	0°♐		
	-3267 Apr 16 j 08:24	0°♑		
	-3267 Jun 09 j 15:45	0°♒		
retrograde	-3267 Jul 14 j 17:58	7°♒49'30		
min. Earth dist.	-3267 Aug 11 j 12:13	2°♒36'38	0.45037 AU	
greatest brilliancy	-3267 Aug 18 j 01:19	0°♒23'07	-2.4m	
opposition	-3267 Aug 19 j 12:22	29°♑53'05	-5°40'24	
	-3267 Aug 19 j 04:16	30°℞♑		
direct	-3267 Sep 20 j 18:48	23°♑25'46		
	-3267 Oct 24 j 23:33	0°♒		
	-3267 Dec 26 j 19:06	0°♓		
asc. node	-3267 Dec 29 j 04:36	1°♓20'11		
	-3266 Feb 16 j 11:26	0°♈		
	-3266 Apr 07 j 00:07	0°♉		
	-3266 May 25 j 07:13	0°♊		
evening set	-3266 Jun 22 j 20:31	18°♊09'53		
	-3266 Jul 11 j 03:02	0°♋		
max. Earth dist.	-3266 Jul 17 j 21:34	4°♋26'02	2.61525 AU	
conjunction	-3266 Aug 08 j 16:15	18°♋52'46	1°09'32	
minimum elong	-3266 Aug 08 j 16:45	18°♋53'37	1°09'38	
	-3266 Aug 25 j 03:19	0°♌		
morning rise	-3266 Sep 24 j 20:31	21°♌14'49		
	-3266 Oct 07 j 05:45	0°♍		
	-3266 Nov 17 j 15:23	0°♎		
	-3266 Dec 27 j 18:31	0°♏		
desc. node	-3265 Jan 06 j 19:06	7°♏35'35		
	-3265 Feb 05 j 06:10	0°♐		
	-3265 Mar 16 j 23:47	0°♑		
	-3265 Apr 27 j 07:55	0°♒		
	-3265 Jun 12 j 03:14	0°♓		
retrograde	-3265 Aug 30 j 05:16	29°♓33'31		
min. Earth dist.	-3265 Oct 02 j 07:30	22°♓12'53	0.57329 AU	
opposition	-3265 Oct 08 j 10:51	19°♓48'41	-1°39'52	
greatest brilliancy	-3265 Oct 08 j 02:37	19°♓56'43	-1.8m	
direct	-3265 Nov 13 j 22:30	11°♓28'48		
asc. node	-3265 Nov 16 j 03:53	11°♓30'40		
	-3264 Jan 17 j 16:00	0°♈		
	-3264 Mar 14 j 22:19	0°♉		
	-3264 May 04 j 18:50	0°♊		
	-3264 Jun 21 j 12:01	0°♋		
evening set	-3264 Aug 01 j 08:19	27°♋07'02		
	-3264 Aug 05 j 13:39	0°♌		
max. Earth dist.	-3264 Aug 17 j 07:50	8°♌06'47	2.51622 AU	
	-3264 Sep 17 j 05:16	0°♍		
conjunction	-3264 Sep 20 j 15:57	2°♍29'29	0°40'49	
minimum elong	-3264 Sep 20 j 17:41	2°♍32'38	0°40'51	
	-3264 Oct 27 j 20:48	0°♎		
morning rise	-3264 Nov 14 j 04:57	13°♎09'24		
desc. node	-3264 Nov 23 j 18:09	20°♎28'29		
	-3264 Dec 06 j 02:33	0°♏		
	-3263 Jan 13 j 16:14	0°♐		
	-3263 Feb 21 j 10:19	0°♑		
	-3263 Apr 02 j 07:27	0°♒		
	-3263 May 14 j 11:13	0°♓		
	-3263 Jun 29 j 20:36	0°♈		
	-3263 Aug 27 j 22:17	0°♉		
asc. node	-3263 Oct 03 j 03:28	8°♉01'53		
retrograde	-3263 Oct 05 j 07:38	8°♉03'45		
	-3263 Nov 09 j 18:33	30°℞♈		
min. Earth dist.	-3263 Nov 11 j 21:35	29°♈09'04	0.65289 AU	
opposition	-3263 Nov 14 j 10:16	28°♈08'05	1°36'06	
greatest brilliancy	-3263 Nov 14 j 05:58	28°♈12'25	-1.4m	
direct	-3263 Dec 23 j 19:44	18°♈44'36		
	-3262 Feb 10 j 11:13	0°♉		
	-3262 Apr 12 j 08:20	0°♊		
	-3262 Jun 01 j 15:24	0°♋		
	-3262 Jul 17 j 11:25	0°♌		
	-3262 Aug 29 j 03:42	0°♍		
evening set	-3262 Sep 19 j 01:01	15°♍21'08		
	-3262 Oct 08 j 11:54	0°♎		
desc. node	-3262 Oct 11 j 15:37	2°♎24'10		
max. Earth dist.	-3262 Oct 16 j 14:53	6°♎12'11	2.39409 AU	
	-3262 Nov 16 j 07:37	0°♏		
conjunction	-3262 Nov 17 j 01:38	0°♏35'16	-0°25'15	
minimum elong	-3262 Nov 16 j 23:41	0°♏31'26	0°25'17	
	-3262 Dec 24 j 11:47	0°♐		
morning rise	-3261 Jan 22 j 23:42	23°♐04'57		
	-3261 Jan 31 j 22:00	0°♑		
	-3261 Mar 12 j 10:51	0°♒		
	-3261 Apr 22 j 21:25	0°♓		
	-3261 Jun 06 j 00:54	0°♈		
	-3261 Jul 24 j 05:13	0°♉		
asc. node	-3261 Aug 21 j 04:13	15°♉35'44		
	-3261 Sep 20 j 10:19	0°♊		
retrograde	-3261 Nov 09 j 00:30	12°♊00'42		
opposition	-3261 Dec 18 j 17:06	2°♊30'51	3°49'12	
greatest brilliancy	-3261 Dec 18 j 19:25	2°♊28'32	-1.3m	
min. Earth dist.	-3261 Dec 19 j 23:38	2°♊00'26	0.67135 AU	
	-3261 Dec 25 j 02:12	30°℞♉		
direct	-3260 Jan 28 j 16:45	22°♉35'15		
	-3260 Mar 06 j 18:30	0°♊		
	-3260 May 08 j 07:51	0°♋		
	-3260 Jun 25 j 19:14	0°♌		
	-3260 Aug 08 j 06:22	0°♍		
desc. node	-3260 Aug 28 j 13:20	14°♍49'05		
	-3260 Sep 17 j 18:15	0°♎		
	-3260 Oct 26 j 12:34	0°♏		
evening set	-3260 Nov 20 j 19:15	19°♏53'40		
	-3260 Dec 03 j 14:57	0°♐		
	-3259 Jan 11 j 00:59	0°♑		

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

conjunction	-3259 Jan 25 j 17:04	11°♑15'05	-1°07'12
minimum elong	-3259 Jan 25 j 17:16	11°♑15'29	1°07'18
	-3259 Feb 19 j 15:10	0°♒	
max. Earth dist.	-3259 Mar 15 j 19:18	17°♒41'20	2.44767 AU
morning rise	-3259 Mar 30 j 18:17	28°♒22'38	
	-3259 Apr 02 j 01:23	0°♓	
	-3259 May 15 j 17:55	0°♈	
	-3259 Jun 30 j 23:31	0°♉	
asc. node	-3259 Jul 08 j 03:50	4°♉29'46	
	-3259 Aug 19 j 12:14	0°♊	
	-3259 Oct 15 j 14:32	0°♋	
retrograde	-3259 Dec 15 j 05:58	16°♋28'26	
opposition	-3258 Jan 22 j 10:46	7°♋47'29	4°57'05
greatest brilliancy	-3258 Jan 23 j 06:16	7°♋28'38	-1.5m
min. Earth dist.	-3258 Jan 27 j 13:28	5°♋49'08	0.62554 AU
	-3258 Feb 14 j 11:28	30°℞♊	
direct	-3258 Mar 04 j 13:37	27°♊50'49	
	-3258 Mar 23 j 14:55	0°♋	
	-3258 May 31 j 05:26	0°♌	
desc. node	-3258 Jul 16 j 12:08	29°♌40'47	
	-3258 Jul 16 j 23:17	0°♍	
	-3258 Aug 27 j 13:57	0°♎	
	-3258 Oct 05 j 20:16	0°♏	
	-3258 Nov 13 j 06:44	0°♐	
	-3258 Dec 22 j 00:59	0°♑	
evening set	-3257 Jan 27 j 03:00	27°♑08'00	
	-3257 Jan 31 j 00:23	0°♒	
	-3257 Mar 13 j 19:19	0°♓	
conjunction	-3257 Mar 26 j 13:39	8°♓52'41	-0°34'16
minimum elong	-3257 Mar 26 j 15:22	8°♓55'39	0°34'17
max. Earth dist.	-3257 Apr 25 j 15:41	29°♓19'44	2.57060 AU
	-3257 Apr 26 j 15:46	0°♈	
morning rise	-3257 May 19 j 05:04	14°♈55'19	
asc. node	-3257 May 26 j 01:30	19°♈23'44	
	-3257 Jun 11 j 11:01	0°♉	
	-3257 Jul 28 j 23:45	0°♊	
	-3257 Sep 16 j 11:46	0°♋	
	-3257 Nov 09 j 07:01	0°♌	
retrograde	-3256 Jan 30 j 09:40	26°♌55'43	
opposition	-3256 Mar 05 j 18:09	19°♌37'05	4°13'25
greatest brilliancy	-3256 Mar 07 j 01:28	19°♌09'18	-2.0m
min. Earth dist.	-3256 Mar 14 j 00:35	16°♌41'38	0.51941 AU
direct	-3256 Apr 13 j 17:33	10°♌41'01	
desc. node	-3256 Jun 02 j 10:58	24°♌19'52	
	-3256 Jun 13 j 14:05	0°♍	
	-3256 Jul 31 j 15:27	0°♎	
	-3256 Sep 11 j 06:04	0°♏	
	-3256 Oct 21 j 01:25	0°♐	
	-3256 Nov 29 j 21:27	0°♑	
	-3255 Jan 09 j 19:38	0°♒	
	-3255 Feb 21 j 10:17	0°♓	
evening set	-3255 Mar 19 j 23:03	18°♓02'55	
	-3255 Apr 06 j 21:10	0°♈	
asc. node	-3255 Apr 11 j 23:31	3°♈22'11	
conjunction	-3255 May 10 j 01:34	21°♈43'17	0°15'57
minimum elong	-3255 May 10 j 00:55	21°♈42'14	0°15'59
max. Earth dist.	-3255 May 21 j 21:12	29°♈21'18	2.64800 AU
	-3255 May 22 j 21:14	0°♉	
morning rise	-3255 Jun 26 j 17:27	22°♉17'07	
	-3255 Jul 08 j 20:49	0°♊	
	-3255 Aug 25 j 07:25	0°♋	
	-3255 Oct 12 j 02:51	0°♌	
	-3255 Nov 30 j 01:31	0°♍	
	-3254 Jan 22 j 04:27	0°♎	
retrograde	-3254 Apr 05 j 19:56	23°♎47'11	
desc. node	-3254 Apr 20 j 11:30	22°♎28'36	
opposition	-3254 May 06 j 21:35	18°♎28'48	-1°09'36
greatest brilliancy	-3254 May 07 j 02:31	18°♎25'19	-2.8m
min. Earth dist.	-3254 May 12 j 04:23	16°♎59'29	0.39665 AU
direct	-3254 Jun 08 j 10:41	12°♎30'30	
	-3254 Aug 03 j 16:49	0°♏	
	-3254 Sep 21 j 18:48	0°♐	
	-3254 Nov 04 j 20:16	0°♑	
	-3254 Dec 18 j 11:25	0°♒	
	-3253 Jan 31 j 23:27	0°♓	
asc. node	-3253 Feb 27 j 21:12	17°♓44'33	
	-3253 Mar 18 j 17:17	0°♈	
evening set	-3253 May 01 j 12:54	28°♈08'23	
	-3253 May 04 j 10:55	0°♉	
max. Earth dist.	-3253 Jun 14 j 21:11	26°♉23'13	2.67178 AU
conjunction	-3253 Jun 17 j 22:02	28°♉19'21	0°54'14
minimum elong	-3253 Jun 17 j 20:47	28°♉17'21	0°54'20
	-3253 Jun 20 j 13:08	0°♊	
morning rise	-3253 Aug 02 j 03:27	27°♊19'13	
	-3253 Aug 06 j 06:57	0°♋	
	-3253 Sep 21 j 04:41	0°♌	
	-3253 Nov 05 j 03:45	0°♍	
	-3253 Dec 19 j 08:47	0°♎	
	-3252 Feb 01 j 07:56	0°♏	
desc. node	-3252 Mar 07 j 13:22	23°♏36'02	
	-3252 Mar 17 j 10:06	0°♐	
	-3252 May 08 j 23:17	0°♑	
retrograde	-3252 Jun 21 j 10:34	11°♑16'43	
min. Earth dist.	-3252 Jul 17 j 23:36	6°♑45'00	0.40543 AU
greatest brilliancy	-3252 Jul 23 j 06:31	5°♑09'36	-2.7m
opposition	-3252 Jul 24 j 16:48	4°♑43'35	-6°35'34
	-3252 Aug 13 j 02:51	30°℞♐	
direct	-3252 Aug 24 j 06:59	29°♐10'45	
	-3252 Sep 04 j 14:20	0°♑	
	-3252 Nov 17 j 01:16	0°♒	
	-3251 Jan 07 j 04:12	0°♓	
asc. node	-3251 Jan 14 j 19:03	4°♓38'00	
	-3251 Feb 25 j 01:53	0°♈	
	-3251 Apr 14 j 10:54	0°♉	
	-3251 Jun 01 j 06:04	0°♊	
evening set	-3251 Jun 08 j 00:44	4°♊18'05	
max. Earth dist.	-3251 Jul 07 j 22:56	23°♊29'57	2.64137 AU
	-3251 Jul 17 j 22:58	0°♋	
conjunction	-3251 Jul 24 j 11:14	4°♋15'34	1°10'46
minimum elong	-3251 Jul 24 j 11:03	4°♋15'17	1°10'53
	-3251 Sep 01 j 02:34	0°♌	
morning rise	-3251 Sep 08 j 08:23	4°♌55'09	
	-3251 Oct 14 j 13:31	0°♍	
	-3251 Nov 25 j 11:20	0°♎	
	-3250 Jan 05 j 05:06	0°♏	
desc. node	-3250 Jan 23 j 12:19	13°♏39'13	
	-3250 Feb 14 j 08:56	0°♐	
	-3250 Mar 26 j 22:57	0°♑	
	-3250 May 08 j 21:25	0°♒	
	-3250 Jun 29 j 18:47	0°♓	
retrograde	-3250 Aug 13 j 19:19	11°♓51'51	
min. Earth dist.	-3250 Sep 13 j 19:06	5°♓18'52	0.52774 AU
greatest brilliancy	-3250 Sep 20 j 08:10	2°♓50'08	-2.0m
opposition	-3250 Sep 21 j 02:53	2°♓32'24	-3°13'00
	-3250 Sep 28 j 02:09	30°℞♒	
direct	-3250 Oct 26 j 01:41	24°♒49'59	
	-3250 Nov 25 j 14:00	0°♓	
asc. node	-3250 Dec 02 j 18:34	2°♓22'40	
	-3249 Jan 30 j 21:31	0°♈	
	-3249 Mar 24 j 17:14	0°♉	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

	-3249 May 13 j 06:46	0°♊	
	-3249 Jun 29 j 13:24	0°♋	
evening set	-3249 Jul 17 j 01:05	11°♋28'43	
max. Earth dist.	-3249 Aug 04 j 19:52	24°♋03'39	2.55993 AU
	-3249 Aug 13 j 13:20	0°♌	
conjunction	-3249 Sep 03 j 11:29	14°♌29'09	0°56'44
minimum elong	-3249 Sep 03 j 13:01	14°♌31'50	0°56'47
	-3249 Sep 25 j 08:17	0°♍	
morning rise	-3249 Oct 24 j 07:15	21°♍07'11	
	-3249 Nov 05 j 05:40	0°♎	
desc. node	-3249 Dec 11 j 10:40	27°♎27'04	
	-3249 Dec 14 j 18:23	0°♏	
	-3248 Jan 22 j 14:53	0°♐	
	-3248 Mar 01 j 15:22	0°♑	
	-3248 Apr 10 j 20:44	0°♒	
	-3248 May 23 j 17:56	0°♓	
	-3248 Jul 11 j 15:47	0°♈	
retrograde	-3248 Sep 21 j 11:39	24°♈07'50	
asc. node	-3248 Oct 19 j 19:07	18°♈41'43	
min. Earth dist.	-3248 Oct 27 j 10:39	15°♈46'03	0.62845 AU
opposition	-3248 Oct 31 j 10:19	14°♈10'21	0°27'56
greatest brilliancy	-3248 Oct 31 j 08:28	14°♈12'12	-1.6m
direct	-3248 Dec 08 j 20:10	5°♈07'23	
	-3247 Feb 25 j 11:39	0°♉	
	-3247 Apr 21 j 08:31	0°♊	
	-3247 Jun 09 j 07:58	0°♋	
	-3247 Jul 24 j 18:37	0°♌	
evening set	-3247 Aug 29 j 15:10	25°♌06'49	
	-3247 Sep 05 j 09:46	0°♍	
max. Earth dist.	-3247 Sep 14 j 19:34	6°♍51'24	2.43998 AU
	-3247 Oct 15 j 19:59	0°♎	
conjunction	-3247 Oct 23 j 14:31	5°♎54'52	0°03'23
minimum elong	-3247 Oct 23 j 14:46	5°♎55'19	0°03'22
behind sun begin	-3247 Oct 22 j 14:25	5°♎08'53	
behind sun end	-3247 Oct 24 j 15:06	6°♎41'48	
desc. node	-3247 Oct 28 j 09:15	9°♎34'22	
	-3247 Nov 23 j 18:44	0°♏	
morning rise	-3247 Dec 24 j 23:11	24°♏25'40	
	-3246 Jan 01 j 01:34	0°♐	
	-3246 Feb 08 j 13:30	0°♑	
	-3246 Mar 20 j 03:49	0°♒	
	-3246 Apr 30 j 17:43	0°♓	
	-3246 Jun 14 j 08:58	0°♈	
	-3246 Aug 03 j 10:14	0°♉	
asc. node	-3246 Sep 06 j 19:30	16°♉54'58	
retrograde	-3246 Oct 26 j 12:05	29°♉10'14	
opposition	-3246 Dec 05 j 11:41	19°♉27'33	3°04'42
greatest brilliancy	-3246 Dec 05 j 09:39	19°♉29'35	-1.3m
min. Earth dist.	-3246 Dec 05 j 06:26	19°♉32'49	0.67170 AU
direct	-3245 Jan 15 j 00:10	9°♉41'18	
	-3245 Mar 25 j 01:09	0°♊	
	-3245 May 18 j 19:52	0°♋	
	-3245 Jul 04 j 21:39	0°♌	
	-3245 Aug 16 j 22:58	0°♍	
desc. node	-3245 Sep 15 j 06:56	21°♍38'02	
	-3245 Sep 26 j 08:15	0°♎	
evening set	-3245 Oct 26 j 02:06	22°♎57'10	
	-3245 Nov 04 j 02:21	0°♏	
	-3245 Dec 12 j 04:33	0°♐	
conjunction	-3245 Dec 30 j 01:02	14°♐01'37	-1°00'51
minimum elong	-3245 Dec 29 j 22:30	13°♐56'40	1°00'57
	-3244 Jan 19 j 13:32	0°♑	
max. Earth dist.	-3244 Feb 12 j 14:22	18°♑23'18	2.39699 AU
	-3244 Feb 28 j 01:52	0°♒	
morning rise	-3244 Mar 06 j 16:24	5°♒38'00	
	-3244 Apr 09 j 10:24	0°♓	
	-3244 May 23 j 04:11	0°♈	
	-3244 Jul 08 j 20:31	0°♉	
asc. node	-3244 Jul 24 j 19:00	9°♉42'43	
	-3244 Aug 29 j 03:12	0°♊	
	-3244 Nov 07 j 10:53	0°♋	
retrograde	-3244 Nov 30 j 03:23	2°♋52'56	
	-3244 Dec 21 j 07:13	30°℞♊	
opposition	-3243 Jan 08 j 01:41	23°♊49'50	4°39'45
greatest brilliancy	-3243 Jan 08 j 13:53	23°♊37'52	-1.4m
min. Earth dist.	-3243 Jan 11 j 16:40	22°♊24'35	0.65114 AU
direct	-3243 Feb 18 j 08:21	13°♊48'51	
	-3243 Apr 18 j 01:15	0°♋	
	-3243 Jun 11 j 00:15	0°♌	
	-3243 Jul 25 j 21:41	0°♍	
desc. node	-3243 Aug 02 j 04:48	5°♍11'06	
	-3243 Sep 04 j 21:37	0°♎	
	-3243 Oct 13 j 21:12	0°♏	
	-3243 Nov 21 j 03:01	0°♐	
	-3243 Dec 29 j 16:40	0°♑	
evening set	-3242 Jan 02 j 06:13	2°♑44'06	
	-3242 Feb 07 j 11:07	0°♒	
conjunction	-3242 Mar 05 j 09:02	18°♒51'55	-0°52'13
minimum elong	-3242 Mar 05 j 11:22	18°♒56'06	0°52'17
	-3242 Mar 21 j 01:12	0°♓	
max. Earth dist.	-3242 Apr 12 j 12:33	15°♓36'30	2.52677 AU
morning rise	-3242 May 01 j 15:39	28°♓35'02	
	-3242 May 03 j 18:22	0°♈	
asc. node	-3242 Jun 11 j 17:52	25°♈35'18	
	-3242 Jun 18 j 14:51	0°♉	
	-3242 Aug 05 j 15:38	0°♊	
	-3242 Sep 25 j 20:01	0°♋	
	-3242 Nov 26 j 04:05	0°♌	
retrograde	-3241 Jan 10 j 17:22	10°♌07'01	
opposition	-3241 Feb 16 j 09:56	2°♌10'42	4°50'26
greatest brilliancy	-3241 Feb 17 j 15:26	1°♌43'20	-1.8m
	-3241 Feb 22 j 06:50	30°℞♋	
min. Earth dist.	-3241 Feb 23 j 16:34	29°♋29'10	0.56725 AU
direct	-3241 Mar 28 j 14:56	22°♋39'21	
	-3241 May 03 j 11:28	0°♌	
desc. node	-3241 Jun 20 j 04:54	24°♌06'35	
	-3241 Jun 29 j 17:01	0°♍	
	-3241 Aug 12 j 14:47	0°♎	
	-3241 Sep 21 j 20:28	0°♏	
	-3241 Oct 30 j 21:30	0°♐	
	-3241 Dec 09 j 03:41	0°♑	
	-3240 Jan 18 j 14:10	0°♒	
	-3240 Feb 29 j 18:56	0°♓	
evening set	-3240 Mar 01 j 01:52	0°♓12'01	
	-3240 Apr 13 j 22:26	0°♈	
conjunction	-3240 Apr 23 j 13:36	6°♈23'12	-0°02'58
minimum elong	-3240 Apr 23 j 13:43	6°♈23'25	0°02'58
behind sun begin	-3240 Apr 22 j 16:45	5°♈48'47	
behind sun end	-3240 Apr 24 j 10:42	6°♈58'01	
asc. node	-3240 Apr 28 j 15:01	9°♈43'19	
max. Earth dist.	-3240 May 12 j 02:04	18°♈31'55	2.62401 AU
	-3240 May 29 j 18:51	0°♉	
morning rise	-3240 Jun 12 j 01:16	8°♉31'05	
	-3240 Jul 15 j 21:02	0°♊	
	-3240 Sep 01 j 20:53	0°♋	
	-3240 Oct 21 j 03:09	0°♌	
	-3240 Dec 12 j 23:44	0°♍	
retrograde	-3239 Mar 07 j 15:54	28°♍45'12	
opposition	-3239 Apr 09 j 08:51	22°♍39'24	1°44'51

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

greatest brilliancy	-3239 Apr 09 j 23:43	22°♍27'38	-2.5m
min. Earth dist.	-3239 Apr 17 j 06:59	20°♍09'35	0.43960 AU
desc. node	-3239 May 07 j 05:06	15°♍44'28	
direct	-3239 May 14 j 23:49	15°♍18'54	
	-3239 Jul 04 j 15:01	0°♎	
	-3239 Aug 23 j 01:25	0°♏	
	-3239 Oct 04 j 17:09	0°♐	
	-3239 Nov 15 j 05:40	0°♑	
	-3239 Dec 27 j 09:05	0°♒	
	-3238 Feb 08 j 21:39	0°♓	
asc. node	-3238 Mar 16 j 12:38	23°♓46'40	
	-3238 Mar 26 j 00:05	0°♈	
evening set	-3238 Apr 15 j 18:30	13°♈31'02	
	-3238 May 11 j 08:49	0°♉	
conjunction	-3238 Jun 03 j 06:00	14°♉37'51	0°41'35
minimum elong	-3238 Jun 03 j 04:45	14°♉35'50	0°41'39
max. Earth dist.	-3238 Jun 05 j 15:31	16°♉09'36	2.66897 AU
	-3238 Jun 27 j 08:29	0°♊	
morning rise	-3238 Jul 19 j 01:35	13°♊51'22	
	-3238 Aug 13 j 06:33	0°♋	
	-3238 Sep 28 j 17:25	0°♌	
	-3238 Nov 13 j 17:55	0°♍	
	-3238 Dec 29 j 19:19	0°♎	
	-3237 Feb 15 j 05:22	0°♏	
desc. node	-3237 Mar 25 j 05:21	21°♏46'13	
	-3237 Apr 11 j 07:12	0°♐	
retrograde	-3237 May 25 j 07:06	10°♐57'42	
min. Earth dist.	-3237 Jun 22 j 14:17	6°♐22'15	0.37906 AU
opposition	-3237 Jun 25 j 09:04	5°♐36'57	-5°52'13
greatest brilliancy	-3237 Jun 24 j 18:06	5°♐47'06	-2.9m
direct	-3237 Jul 25 j 03:03	0°♐37'24	
	-3237 Oct 13 j 06:57	0°♑	
	-3237 Dec 01 j 15:59	0°♒	
	-3236 Jan 17 j 21:15	0°♓	
asc. node	-3236 Feb 01 j 11:23	9°♓17'16	
	-3236 Mar 05 j 03:04	0°♈	
	-3236 Apr 21 j 16:26	0°♉	
evening set	-3236 May 24 j 05:49	20°♉33'15	
	-3236 Jun 08 j 03:02	0°♊	
max. Earth dist.	-3236 Jun 28 j 12:54	13°♊02'15	2.65960 AU
conjunction	-3236 Jul 09 j 17:46	20°♊14'49	1°07'27
minimum elong	-3236 Jul 09 j 17:00	20°♊13'36	1°07'34
	-3236 Jul 24 j 18:56	0°♋	
morning rise	-3236 Aug 23 j 23:20	19°♋50'53	
	-3236 Sep 08 j 03:56	0°♌	
	-3236 Oct 22 j 02:00	0°♍	
	-3236 Dec 03 j 15:52	0°♎	
	-3235 Jan 14 j 05:47	0°♏	
desc. node	-3235 Feb 09 j 05:31	18°♏56'03	
	-3235 Feb 24 j 10:42	0°♐	
	-3235 Apr 07 j 14:49	0°♑	
	-3235 May 24 j 14:22	0°♒	
retrograde	-3235 Jul 26 j 09:03	21°♒25'18	
min. Earth dist.	-3235 Aug 24 j 05:38	15°♒44'13	0.47804 AU
greatest brilliancy	-3235 Aug 31 j 00:08	13°♒19'05	-2.3m
opposition	-3235 Sep 01 j 06:25	12°♒51'57	-4°49'55
direct	-3235 Oct 04 j 11:38	5°♒55'40	
	-3235 Dec 17 j 22:52	0°♓	
asc. node	-3235 Dec 19 j 10:31	0°♓45'19	
	-3234 Feb 10 j 09:13	0°♈	
	-3234 Apr 01 j 19:58	0°♉	
	-3234 May 20 j 12:32	0°♊	
evening set	-3234 Jul 01 j 12:47	26°♊46'13	
	-3234 Jul 06 j 12:01	0°♋	
max. Earth dist.	-3234 Jul 24 j 04:15	11°♋37'12	2.59753 AU
conjunction	-3234 Aug 17 j 18:26	28°♋07'46	1°06'28
minimum elong	-3234 Aug 17 j 19:21	28°♋09'20	1°06'34
	-3234 Aug 20 j 12:21	0°♌	
	-3234 Oct 02 j 12:29	0°♍	
morning rise	-3234 Oct 04 j 23:31	1°♍45'26	
	-3234 Nov 12 j 17:50	0°♎	
	-3234 Dec 22 j 15:38	0°♏	
desc. node	-3234 Dec 28 j 04:22	4°♏12'38	
	-3233 Jan 30 j 21:12	0°♐	
	-3233 Mar 11 j 06:59	0°♑	
	-3233 Apr 21 j 01:52	0°♒	
	-3233 Jun 04 j 08:01	0°♓	
	-3233 Jul 29 j 23:07	0°♈	
retrograde	-3233 Sep 07 j 23:30	9°♈10'36	
min. Earth dist.	-3233 Oct 12 j 03:25	1°♈26'39	0.59514 AU
	-3233 Oct 15 j 19:06	30°℞♓	
opposition	-3233 Oct 17 j 13:02	29°♓18'27	-0°50'10
greatest brilliancy	-3233 Oct 17 j 09:26	29°♓22'01	-1.7m
asc. node	-3233 Nov 06 j 09:59	22°♓41'12	
direct	-3233 Nov 23 j 18:46	20°♓41'20	
	-3232 Jan 05 j 22:19	0°♈	
	-3232 Mar 08 j 14:22	0°♉	
	-3232 Apr 29 j 14:01	0°♊	
	-3232 Jun 16 j 16:57	0°♋	
	-3232 Jul 31 j 21:45	0°♌	
evening set	-3232 Aug 11 j 04:52	7°♌05'21	
max. Earth dist.	-3232 Aug 26 j 07:02	17°♌39'23	2.48954 AU
	-3232 Sep 12 j 13:30	0°♍	
conjunction	-3232 Oct 01 j 22:34	14°♍09'46	0°28'46
minimum elong	-3232 Oct 02 j 00:04	14°♍12'33	0°28'46
	-3232 Oct 23 j 03:17	0°♎	
desc. node	-3232 Nov 14 j 02:20	16°♎43'58	
morning rise	-3232 Nov 28 j 01:35	27°♎30'47	
	-3232 Dec 01 j 06:34	0°♏	
	-3231 Jan 08 j 17:43	0°♐	
	-3231 Feb 16 j 09:03	0°♑	
	-3231 Mar 28 j 02:41	0°♒	
	-3231 May 08 j 23:13	0°♓	
	-3231 Jun 23 j 11:06	0°♈	
	-3231 Aug 16 j 08:26	0°♉	
asc. node	-3231 Sep 23 j 10:42	13°♉49'42	
retrograde	-3231 Oct 13 j 01:58	16°♉08'39	
min. Earth dist.	-3231 Nov 20 j 11:45	6°♉57'37	0.66230 AU
opposition	-3231 Nov 22 j 04:40	6°♉16'32	2°11'17
greatest brilliancy	-3231 Nov 22 j 00:24	6°♉20'50	-1.4m
	-3231 Dec 09 j 13:15	30°℞♈	
direct	-3230 Jan 01 j 01:01	26°♈43'41	
	-3230 Jan 25 j 10:47	0°♉	
	-3230 Apr 05 j 20:15	0°♊	
	-3230 May 27 j 09:04	0°♋	
	-3230 Jul 12 j 14:42	0°♌	
	-3230 Aug 24 j 10:20	0°♍	
evening set	-3230 Oct 01 j 15:54	28°♍23'01	
desc. node	-3230 Oct 02 j 01:02	28°♍40'22	
	-3230 Oct 03 j 18:55	0°♎	
	-3230 Nov 11 j 13:51	0°♏	
max. Earth dist.	-3230 Nov 19 j 16:25	6°♏21'33	2.37692 AU
conjunction	-3230 Dec 02 j 03:02	16°♏09'05	-0°40'41
minimum elong	-3230 Dec 02 j 00:04	16°♏03'14	0°40'44
	-3230 Dec 19 j 16:56	0°♐	
	-3229 Jan 27 j 01:58	0°♑	
morning rise	-3229 Feb 08 j 10:49	9°♑30'59	
	-3229 Mar 07 j 13:44	0°♒	
	-3229 Apr 17 j 22:25	0°♓	
	-3229 May 31 j 20:19	0°♈	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

	-3229 Jul 18 j 06:48	0°♉	
asc. node	-3229 Aug 11 j 10:28	14°♉03'47	
	-3229 Sep 10 j 18:38	0°♊	
retrograde	-3229 Nov 16 j 22:10	19°♊49'32	
opposition	-3229 Dec 26 j 09:32	10°♊28'19	4°10'35
greatest brilliancy	-3229 Dec 26 j 15:02	10°♊22'52	-1.3m
min. Earth dist.	-3229 Dec 28 j 12:16	9°♊38'03	0.66704 AU
direct	-3228 Feb 05 j 13:26	0°♊29'24	
	-3228 May 01 j 09:50	0°♋	
	-3228 Jun 20 j 07:08	0°♌	
	-3228 Aug 03 j 05:05	0°♍	
desc. node	-3228 Aug 18 j 23:22	11°♍24'42	
	-3228 Sep 12 j 21:00	0°♎	
	-3228 Oct 21 j 17:00	0°♏	
	-3228 Nov 28 j 20:08	0°♐	
evening set	-3228 Dec 06 j 06:17	5°♐50'12	
	-3227 Jan 06 j 06:31	0°♑	
conjunction	-3227 Feb 09 j 10:53	25°♑57'49	-1°04'34
minimum elong	-3227 Feb 09 j 12:24	26°♑00'41	1°04'40
	-3227 Feb 14 j 21:03	0°♒	
max. Earth dist.	-3227 Mar 27 j 11:55	29°♒25'40	2.47664 AU
	-3227 Mar 28 j 07:21	0°♓	
morning rise	-3227 Apr 12 j 01:56	10°♓20'13	
	-3227 May 10 j 22:35	0°♈	
	-3227 Jun 25 j 23:00	0°♉	
asc. node	-3227 Jun 28 j 08:28	1°♉31'03	
	-3227 Aug 13 j 18:35	0°♊	
	-3227 Oct 06 j 20:13	0°♋	
retrograde	-3227 Dec 24 j 09:55	25°♋02'16	
opposition	-3226 Jan 31 j 03:33	16°♋35'40	4°59'59
greatest brilliancy	-3226 Feb 01 j 03:05	16°♋13'13	-1.6m
min. Earth dist.	-3226 Feb 06 j 02:01	14°♋19'59	0.60728 AU
direct	-3226 Mar 13 j 01:36	6°♋44'57	
	-3226 May 23 j 01:03	0°♌	
desc. node	-3226 Jul 06 j 21:31	27°♌21'10	
	-3226 Jul 10 j 20:19	0°♍	
	-3226 Aug 22 j 01:54	0°♎	
	-3226 Sep 30 j 14:59	0°♏	
	-3226 Nov 08 j 05:41	0°♐	
	-3226 Dec 17 j 03:02	0°♑	
	-3225 Jan 26 j 05:07	0°♒	
evening set	-3225 Feb 09 j 01:03	10°♒03'51	
	-3225 Mar 09 j 02:15	0°♓	
conjunction	-3225 Apr 06 j 14:15	19°♓37'52	-0°22'54
minimum elong	-3225 Apr 06 j 15:23	19°♓39'49	0°22'54
	-3225 Apr 21 j 23:47	0°♈	
max. Earth dist.	-3225 May 02 j 09:39	6°♈55'31	2.59159 AU
asc. node	-3225 May 16 j 07:11	16°♈04'26	
morning rise	-3225 May 28 j 13:52	24°♈04'10	
	-3225 Jun 06 j 18:09	0°♉	
	-3225 Jul 24 j 01:30	0°♊	
	-3225 Sep 10 j 21:02	0°♋	
	-3225 Nov 01 j 11:30	0°♌	
	-3224 Jan 03 j 12:39	0°♍	
retrograde	-3224 Feb 11 j 20:43	7°♍51'34	
opposition	-3224 Mar 17 j 07:14	0°♍57'11	3°34'29
greatest brilliancy	-3224 Mar 18 j 12:04	0°♍32'26	-2.2m
	-3224 Mar 20 j 01:40	30°℞♌	
min. Earth dist.	-3224 Mar 25 j 19:20	28°♌02'31	0.49092 AU
direct	-3224 Apr 24 j 07:44	22°♌28'48	
desc. node	-3224 May 23 j 21:03	27°♌55'02	
	-3224 May 29 j 13:38	0°♍	
	-3224 Jul 23 j 14:58	0°♎	
	-3224 Sep 04 j 16:28	0°♏	
	-3224 Oct 15 j 04:11	0°♐	
	-3224 Nov 24 j 10:38	0°♑	
	-3223 Jan 04 j 16:37	0°♒	
	-3223 Feb 16 j 13:15	0°♓	
evening set	-3223 Mar 30 j 00:58	27°♓55'39	
asc. node	-3223 Apr 02 j 05:19	0°♈01'46	
	-3223 Apr 02 j 04:14	0°♈	
	-3223 May 18 j 06:20	0°♉	
conjunction	-3223 May 19 j 01:50	0°♉31'22	0°26'03
minimum elong	-3223 May 19 j 00:53	0°♉29'50	0°26'05
max. Earth dist.	-3223 May 27 j 10:10	5°♉52'58	2.65768 AU
morning rise	-3223 Jul 04 j 22:59	0°♊28'28	
	-3223 Jul 04 j 05:05	0°♊	
	-3223 Aug 20 j 10:02	0°♋	
	-3223 Oct 06 j 15:34	0°♌	
	-3223 Nov 23 j 06:34	0°♍	
	-3222 Jan 11 j 17:23	0°♎	
	-3222 Mar 10 j 21:24	0°♏	
desc. node	-3222 Apr 10 j 21:59	9°♏10'18	
retrograde	-3222 Apr 23 j 18:09	10°♏10'33	
opposition	-3222 May 24 j 03:45	5°♏07'24	-3°05'31
greatest brilliancy	-3222 May 24 j 09:19	5°♏03'39	-2.9m
min. Earth dist.	-3222 May 26 j 22:35	4°♏22'22	0.38203 AU
	-3222 Jun 18 j 05:55	30°℞♎	
direct	-3222 Jun 24 j 06:37	29°♎45'38	
	-3222 Jun 30 j 06:35	0°♏	
	-3222 Sep 11 j 13:08	0°♐	
	-3222 Oct 28 j 12:07	0°♑	
	-3222 Dec 12 j 09:43	0°♒	
	-3221 Jan 26 j 14:54	0°♓	
asc. node	-3221 Feb 18 j 02:40	14°♓41'47	
	-3221 Mar 13 j 18:48	0°♈	
	-3221 Apr 29 j 18:12	0°♉	
evening set	-3221 May 10 j 07:01	6°♉41'29	
	-3221 Jun 15 j 22:52	0°♊	
max. Earth dist.	-3221 Jun 20 j 05:29	2°♊43'40	2.66965 AU
conjunction	-3221 Jun 26 j 05:58	6°♊34'26	1°00'08
minimum elong	-3221 Jun 26 j 04:49	6°♊32'37	1°00'14
	-3221 Aug 01 j 15:31	0°♋	
morning rise	-3221 Aug 10 j 08:25	5°♋39'26	
	-3221 Sep 16 j 08:09	0°♌	
	-3221 Oct 30 j 21:01	0°♍	
	-3221 Dec 13 j 09:28	0°♎	
	-3220 Jan 25 j 06:43	0°♏	
desc. node	-3220 Feb 26 j 21:41	22°♏46'11	
	-3220 Mar 08 j 09:42	0°♐	
	-3220 Apr 23 j 11:34	0°♑	
retrograde	-3220 Jul 05 j 02:24	27°♑12'35	
min. Earth dist.	-3220 Aug 01 j 03:59	22°♑20'41	0.42893 AU
greatest brilliancy	-3220 Aug 07 j 07:18	20°♑21'30	-2.5m
opposition	-3220 Aug 08 j 19:54	19°♑51'36	-6°12'11
direct	-3220 Sep 09 j 07:28	13°♑49'04	
	-3220 Nov 05 j 12:00	0°♒	
	-3220 Dec 31 j 05:45	0°♓	
asc. node	-3219 Jan 05 j 01:33	2°♓48'55	
	-3219 Feb 19 j 12:25	0°♈	
	-3219 Apr 09 j 11:52	0°♉	
	-3219 May 27 j 13:51	0°♊	
evening set	-3219 Jun 16 j 12:00	12°♊39'15	
	-3219 Jul 13 j 08:58	0°♋	
max. Earth dist.	-3219 Jul 13 j 16:59	0°♋13'04	2.62790 AU
conjunction	-3219 Aug 02 j 02:05	12°♋57'47	1°10'38
minimum elong	-3219 Aug 02 j 02:18	12°♋58'08	1°10'45
	-3219 Aug 27 j 11:34	0°♌	
morning rise	-3219 Sep 17 j 14:28	14°♌28'55	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

	-3219 Oct 09 j 18:31	0°♍	
	-3219 Nov 20 j 09:59	0°♎	
	-3219 Dec 30 j 19:30	0°♏	
desc. node	-3218 Jan 13 j 21:19	10°♏35'38	
	-3218 Feb 08 j 13:44	0°♐	
	-3218 Mar 20 j 14:22	0°♑	
	-3218 May 01 j 10:26	0°♒	
	-3218 Jun 17 j 19:28	0°♓	
retrograde	-3218 Aug 23 j 09:42	22°♓40'17	
min. Earth dist.	-3218 Sep 24 j 13:46	15°♓40'13	0.55385 AU
opposition	-3218 Oct 01 j 06:42	13°♓04'44	-2°18'23
greatest brilliancy	-3218 Sep 30 j 18:21	13°♓16'40	-1.9m
direct	-3218 Nov 06 j 03:06	5°♓00'21	
asc. node	-3218 Nov 23 j 01:09	6°♓42'53	
	-3217 Jan 22 j 22:37	0°♈	
	-3217 Mar 19 j 00:15	0°♉	
	-3217 May 08 j 07:14	0°♊	
	-3217 Jun 24 j 20:40	0°♋	
evening set	-3217 Jul 26 j 05:11	20°♋41'25	
	-3217 Aug 08 j 22:44	0°♌	
max. Earth dist.	-3217 Aug 12 j 05:40	2°♌15'11	2.53658 AU
conjunction	-3217 Sep 13 j 14:04	24°♌53'49	0°48'23
minimum elong	-3217 Sep 13 j 15:47	24°♌56'53	0°48'26
	-3217 Sep 20 j 17:02	0°♍	
	-3217 Oct 31 j 12:00	0°♎	
morning rise	-3217 Nov 05 j 07:36	3°♎37'20	
desc. node	-3217 Dec 01 j 20:52	23°♎49'57	
	-3217 Dec 09 j 21:12	0°♏	
	-3216 Jan 17 j 13:50	0°♐	
	-3216 Feb 25 j 09:57	0°♑	
	-3216 Apr 05 j 09:03	0°♒	
	-3216 May 17 j 17:23	0°♓	
	-3216 Jul 03 j 19:45	0°♈	
	-3216 Sep 08 j 13:25	0°♉	
retrograde	-3216 Sep 29 j 12:23	2°♉40'40	
asc. node	-3216 Oct 10 j 00:35	1°♉55'27	
	-3216 Oct 19 j 06:28	30°℞♈	
min. Earth dist.	-3216 Nov 05 j 09:48	23°♈59'47	0.64322 AU
opposition	-3216 Nov 08 j 13:50	22°♈43'30	1°08'52
greatest brilliancy	-3216 Nov 08 j 10:05	22°♈47'16	-1.5m
direct	-3216 Dec 17 j 13:25	13°♈28'22	
	-3215 Feb 16 j 15:38	0°♉	
	-3215 Apr 15 j 12:58	0°♊	
	-3215 Jun 04 j 06:55	0°♋	
	-3215 Jul 20 j 00:10	0°♌	
	-3215 Aug 31 j 17:19	0°♍	
evening set	-3215 Sep 09 j 21:55	6°♍41'37	
max. Earth dist.	-3215 Sep 30 j 08:00	21°♍50'27	2.41346 AU
	-3215 Oct 11 j 03:24	0°♎	
desc. node	-3215 Oct 18 j 18:40	5°♎49'05	
conjunction	-3215 Nov 06 j 01:04	19°♎53'05	-0°12'50
minimum elong	-3215 Nov 06 j 00:05	19°♎51'12	0°12'51
behind sun begin	-3215 Nov 05 j 07:53	19°♎19'47	
behind sun end	-3215 Nov 06 j 16:18	20°♎22'37	
	-3215 Nov 19 j 00:57	0°♏	
	-3215 Dec 27 j 06:25	0°♐	
morning rise	-3214 Jan 10 j 03:55	10°♐54'10	
	-3214 Feb 03 j 16:49	0°♑	
	-3214 Mar 15 j 05:08	0°♒	
	-3214 Apr 25 j 15:29	0°♓	
	-3214 Jun 08 j 21:12	0°♈	
	-3214 Jul 27 j 14:33	0°♉	
asc. node	-3214 Aug 28 j 01:09	16°♉51'24	
	-3214 Sep 27 j 21:46	0°♊	
retrograde	-3214 Nov 03 j 05:53	7°♊00'11	
	-3214 Dec 06 j 11:57	30°℞♉	
opposition	-3214 Dec 13 j 02:22	27°♉24'13	3°31'41
greatest brilliancy	-3214 Dec 13 j 02:33	27°♉24'02	-1.3m
min. Earth dist.	-3214 Dec 13 j 17:17	27°♉09'20	0.67280 AU
direct	-3213 Jan 22 j 21:51	17°♉32'06	
	-3213 Mar 15 j 06:56	0°♊	
	-3213 May 12 j 19:34	0°♋	
	-3213 Jun 29 j 17:08	0°♌	
	-3213 Aug 12 j 01:15	0°♍	
desc. node	-3213 Sep 05 j 16:08	18°♍02'56	
	-3213 Sep 21 j 12:52	0°♎	
	-3213 Oct 30 j 07:28	0°♏	
evening set	-3213 Nov 09 j 22:25	8°♏20'38	
	-3213 Dec 07 j 09:46	0°♐	
conjunction	-3212 Jan 14 j 19:42	0°♑01'49	-1°06'15
minimum elong	-3212 Jan 14 j 18:40	29°♐59'50	1°06'22
	-3212 Jan 14 j 18:46	0°♑	
	-3212 Feb 23 j 07:04	0°♒	
max. Earth dist.	-3212 Mar 04 j 13:16	7°♒35'04	2.42412 AU
morning rise	-3212 Mar 20 j 17:06	19°♒20'53	
	-3212 Apr 04 j 15:16	0°♓	
	-3212 May 18 j 06:32	0°♈	
	-3212 Jul 03 j 14:34	0°♉	
asc. node	-3212 Jul 15 j 01:09	7°♉06'17	
	-3212 Aug 22 j 16:18	0°♊	
	-3212 Oct 21 j 20:56	0°♋	
retrograde	-3212 Dec 08 j 15:40	11°♋01'49	
opposition	-3211 Jan 16 j 05:13	2°♋10'24	4°51'04
greatest brilliancy	-3211 Jan 16 j 21:28	1°♋54'36	-1.4m
min. Earth dist.	-3211 Jan 20 j 16:28	0°♋26'12	0.63830 AU
	-3211 Jan 21 j 19:42	30°℞♊	
direct	-3211 Feb 26 j 11:05	22°♊10'45	
	-3211 Apr 05 j 20:23	0°♋	
	-3211 Jun 04 j 10:43	0°♌	
	-3211 Jul 20 j 08:41	0°♍	
desc. node	-3211 Jul 23 j 14:53	2°♍16'33	
	-3211 Aug 30 j 17:29	0°♎	
	-3211 Oct 08 j 20:57	0°♏	
	-3211 Nov 16 j 05:07	0°♐	
	-3211 Dec 24 j 20:29	0°♑	
evening set	-3210 Jan 16 j 14:49	17°♑17'20	
	-3210 Feb 02 j 16:27	0°♒	
	-3210 Mar 16 j 07:57	0°♓	
conjunction	-3210 Mar 17 j 17:10	0°♓58'20	-0°42'18
minimum elong	-3210 Mar 17 j 19:15	1°♓01'59	0°42'21
max. Earth dist.	-3210 Apr 20 j 07:30	24°♓06'42	2.55188 AU
	-3210 Apr 29 j 01:28	0°♈	
morning rise	-3210 May 11 j 21:26	8°♈32'26	
asc. node	-3210 Jun 01 j 23:01	22°♈20'19	
	-3210 Jun 13 j 19:59	0°♉	
	-3210 Jul 31 j 12:17	0°♊	
	-3210 Sep 19 j 14:01	0°♋	
	-3210 Nov 14 j 14:00	0°♌	
retrograde	-3209 Jan 21 j 14:14	19°♌52'46	
opposition	-3209 Feb 26 j 13:40	12°♌16'24	4°32'45
greatest brilliancy	-3209 Feb 27 j 20:51	11°♌48'07	-1.9m
min. Earth dist.	-3209 Mar 06 j 10:51	9°♌25'12	0.54161 AU
direct	-3209 Apr 07 j 04:19	3°♌02'07	
desc. node	-3209 Jun 10 j 14:01	23°♌57'00	
	-3209 Jun 21 j 05:49	0°♍	
	-3209 Aug 06 j 02:44	0°♎	
	-3209 Sep 16 j 01:08	0°♏	
	-3209 Oct 25 j 11:25	0°♐	
	-3209 Dec 04 j 00:06	0°♑	
	-3208 Jan 13 j 15:33	0°♒	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

	-3208 Feb 25 j 00:22	0°♓	
evening set	-3208 Mar 12 j 01:04	11°♓00'44	
	-3208 Apr 09 j 06:31	0°♈	
asc. node	-3208 Apr 18 j 21:06	6°♈21'31	
conjunction	-3208 May 03 j 03:15	15°♈42'47	0°08'13
minimum elong	-3208 May 03 j 02:54	15°♈42'12	0°08'14
behind sun begin	-3208 May 02 j 08:56	15°♈12'53	
behind sun end	-3208 May 03 j 20:51	16°♈11'30	
max. Earth dist.	-3208 May 17 j 23:13	25°♈21'04	2.63826 AU
	-3208 May 25 j 03:59	0°♉	
morning rise	-3208 Jun 20 j 12:57	16°♉53'56	
	-3208 Jul 11 j 03:56	0°♊	
	-3208 Aug 27 j 19:28	0°♋	
	-3208 Oct 15 j 04:09	0°♌	
	-3208 Dec 04 j 11:00	0°♍	
	-3207 Jan 31 j 13:33	0°♎	
retrograde	-3207 Mar 23 j 12:48	12°♎45'06	
opposition	-3207 Apr 24 j 07:50	7°♎07'04	0°13'12
greatest brilliancy	-3207 Apr 24 j 09:39	7°♎05'44	-2.7m
desc. node	-3207 Apr 27 j 13:55	6°♎08'51	
min. Earth dist.	-3207 May 01 j 02:46	5°♎06'30	0.41384 AU
direct	-3207 May 28 j 06:05	0°♎32'28	
	-3207 Aug 13 j 00:03	0°♏	
	-3207 Sep 27 j 06:27	0°♐	
	-3207 Nov 08 j 23:22	0°♑	
	-3207 Dec 21 j 19:37	0°♒	
	-3206 Feb 03 j 19:23	0°♓	
asc. node	-3206 Mar 06 j 19:09	20°♓34'30	
	-3206 Mar 21 j 04:54	0°♈	
evening set	-3206 Apr 24 j 21:09	22°♈24'12	
	-3206 May 06 j 17:47	0°♉	
conjunction	-3206 Jun 11 j 16:31	22°♉56'00	0°49'17
minimum elong	-3206 Jun 11 j 15:14	22°♉53'57	0°49'22
max. Earth dist.	-3206 Jun 11 j 00:20	22°♉30'12	2.67160 AU
	-3206 Jun 22 j 18:34	0°♊	
morning rise	-3206 Jul 27 j 02:49	21°♊58'13	
	-3206 Aug 08 j 14:17	0°♋	
	-3206 Sep 23 j 17:58	0°♌	
	-3206 Nov 08 j 03:39	0°♍	
	-3206 Dec 23 j 02:03	0°♎	
	-3205 Feb 06 j 05:53	0°♏	
desc. node	-3205 Mar 15 j 15:49	23°♏51'43	
	-3205 Mar 25 j 20:51	0°♐	
retrograde	-3205 Jun 10 j 19:45	28°♐46'43	
min. Earth dist.	-3205 Jul 07 j 15:20	24°♐21'11	0.39043 AU
opposition	-3205 Jul 12 j 22:33	22°♐50'41	-6°33'01
greatest brilliancy	-3205 Jul 11 j 18:47	23°♐10'32	-2.8m
direct	-3205 Aug 11 j 22:34	17°♐37'50	
	-3205 Sep 28 j 22:18	0°♑	
	-3205 Nov 23 j 17:57	0°♒	
	-3204 Jan 11 j 19:23	0°♓	
asc. node	-3204 Jan 22 j 16:36	6°♓46'38	
	-3204 Feb 28 j 21:07	0°♈	
	-3204 Apr 16 j 20:45	0°♉	
evening set	-3204 Jun 01 j 17:31	28°♉52'23	
	-3204 Jun 03 j 12:09	0°♊	
max. Earth dist.	-3204 Jul 04 j 01:21	19°♊31'54	2.65061 AU
conjunction	-3204 Jul 18 j 03:02	28°♊38'40	1°09'53
minimum elong	-3204 Jul 18 j 02:36	28°♊37'57	1°10'00
	-3204 Jul 20 j 05:01	0°♋	
morning rise	-3204 Sep 01 j 15:25	28°♋45'13	
	-3204 Sep 03 j 11:48	0°♌	
	-3204 Oct 17 j 04:15	0°♍	
	-3204 Nov 28 j 09:37	0°♎	

	-3203 Jan 08 j 11:57	0°♏	
desc. node	-3203 Jan 30 j 15:19	16°♏21'42	
	-3203 Feb 18 j 01:40	0°♐	
	-3203 Mar 31 j 04:30	0°♑	
	-3203 May 14 j 06:37	0°♒	
	-3203 Jul 13 j 02:57	0°♓	
retrograde	-3203 Aug 06 j 03:47	3°♓50'18	
	-3203 Aug 29 j 08:31	30°℞♒	
min. Earth dist.	-3203 Sep 05 j 03:50	27°♒40'49	0.50567 AU
opposition	-3203 Sep 12 j 21:51	24°♒48'47	-3°54'49
greatest brilliancy	-3203 Sep 11 j 22:02	25°♒10'51	-2.1m
direct	-3203 Oct 17 j 02:55	17°♒25'59	
	-3203 Dec 06 j 11:22	0°♓	
asc. node	-3203 Dec 09 j 15:49	1°♓21'57	
	-3202 Feb 03 j 19:21	0°♈	
	-3202 Mar 27 j 12:01	0°♉	
	-3202 May 15 j 16:31	0°♊	
	-3202 Jul 01 j 20:46	0°♋	
evening set	-3202 Jul 10 j 07:59	5°♋31'44	
max. Earth dist.	-3202 Jul 30 j 17:25	19°♋03'03	2.57764 AU
	-3202 Aug 15 j 22:01	0°♌	
conjunction	-3202 Aug 27 j 03:22	7°♌42'28	1°01'34
minimum elong	-3202 Aug 27 j 04:40	7°♌44'42	1°01'39
	-3202 Sep 27 j 20:09	0°♍	
morning rise	-3202 Oct 15 j 15:47	12°♍52'02	
	-3202 Nov 07 j 21:51	0°♎	
	-3202 Dec 17 j 14:52	0°♏	
desc. node	-3202 Dec 18 j 13:39	0°♏43'35	
	-3201 Jan 25 j 15:17	0°♐	
	-3201 Mar 05 j 19:10	0°♑	
	-3201 Apr 15 j 04:25	0°♒	
	-3201 May 28 j 11:15	0°♓	
	-3201 Jul 18 j 02:27	0°♈	
retrograde	-3201 Sep 16 j 10:17	18°♈19'24	
min. Earth dist.	-3201 Oct 21 j 14:27	10°♈13'39	0.61455 AU
opposition	-3201 Oct 26 j 05:04	8°♈23'25	-0°03'38
greatest brilliancy	-3201 Oct 26 j 04:55	8°♈23'34	-1.6m
asc. node	-3201 Oct 27 j 16:33	7°♈48'10	
	-3201 Nov 24 j 12:48	30°℞♓	
direct	-3201 Dec 03 j 02:52	29°♓31'12	
	-3201 Dec 11 j 23:25	0°♈	
	-3200 Mar 01 j 15:38	0°♉	
	-3200 Apr 24 j 04:33	0°♊	
	-3200 Jun 11 j 19:54	0°♋	
	-3200 Jul 27 j 05:24	0°♌	
evening set	-3200 Aug 21 j 10:56	17°♌31'11	
max. Earth dist.	-3200 Sep 05 j 12:23	28°♌16'00	2.46233 AU
	-3200 Sep 07 j 22:02	0°♍	
conjunction	-3200 Oct 13 j 20:35	26°♍32'02	0°14'55
minimum elong	-3200 Oct 13 j 21:31	26°♍33'47	0°14'54
behind sun begin	-3200 Oct 13 j 11:39	26°♍15'13	
behind sun end	-3200 Oct 14 j 07:23	26°♍52'22	
	-3200 Oct 18 j 10:49	0°♎	
desc. node	-3200 Nov 04 j 12:21	13°♎00'20	
	-3200 Nov 26 j 11:57	0°♏	
morning rise	-3200 Dec 12 j 19:55	12°♏44'38	
	-3199 Jan 03 j 20:38	0°♐	
	-3199 Feb 11 j 09:32	0°♑	
	-3199 Mar 23 j 00:03	0°♒	
	-3199 May 03 j 14:57	0°♓	
	-3199 Jun 17 j 11:25	0°♈	
	-3199 Aug 07 j 14:50	0°♉	
asc. node	-3199 Sep 13 j 16:56	16°♉42'57	
retrograde	-3199 Oct 20 j 19:40	24°♉07'02	
opposition	-3199 Nov 29 j 21:06	14°♉19'48	2°43'31

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

min. Earth dist.	-3199 Nov 29 j 00:17	14°♉40'41	0.66872 AU
greatest brilliancy	-3199 Nov 29 j 17:46	14°♉23'08	-1.3m
direct	-3198 Jan 09 j 02:47	4°♉38'54	
	-3198 Mar 29 j 13:12	0°♊	
	-3198 May 21 j 20:20	0°♋	
	-3198 Jul 07 j 14:45	0°♌	
	-3198 Aug 19 j 14:56	0°♍	
desc. node	-3198 Sep 22 j 10:04	24°♍58'48	
	-3198 Sep 29 j 01:04	0°♎	
evening set	-3198 Oct 15 j 02:42	12°♎19'01	
	-3198 Nov 06 j 20:01	0°♏	
	-3198 Dec 14 j 22:38	0°♐	
conjunction	-3198 Dec 17 j 17:13	2°♐11'05	-0°53'33
minimum elong	-3198 Dec 17 j 14:05	2°♐04'56	0°53'36
max. Earth dist.	-3197 Jan 16 j 06:07	25°♐18'55	2.37994 AU
	-3197 Jan 22 j 07:07	0°♑	
morning rise	-3197 Feb 24 j 03:43	25°♑03'55	
	-3197 Mar 02 j 18:03	0°♒	
	-3197 Apr 13 j 01:11	0°♓	
	-3197 May 26 j 18:46	0°♈	
	-3197 Jul 12 j 15:55	0°♉	
asc. node	-3197 Aug 01 j 16:14	12°♉01'03	
	-3197 Sep 02 j 21:44	0°♊	
retrograde	-3197 Nov 24 j 23:52	27°♊43'26	
opposition	-3196 Jan 03 j 04:47	18°♊31'52	4°28'39
greatest brilliancy	-3196 Jan 03 j 13:57	18°♊22'50	-1.4m
min. Earth dist.	-3196 Jan 06 j 04:03	17°♊21'40	0.65946 AU
direct	-3196 Feb 13 j 11:05	8°♊31'01	
	-3196 Apr 23 j 10:55	0°♋	
	-3196 Jun 14 j 11:08	0°♌	
	-3196 Jul 28 j 23:01	0°♍	
desc. node	-3196 Aug 09 j 07:27	8°♍07'34	
	-3196 Sep 07 j 20:26	0°♎	
	-3196 Oct 16 j 18:49	0°♏	
	-3196 Nov 23 j 23:25	0°♐	
evening set	-3196 Dec 21 j 16:32	21°♐40'04	
	-3195 Jan 01 j 11:07	0°♑	
	-3195 Feb 10 j 02:45	0°♒	
conjunction	-3195 Feb 23 j 08:15	9°♒43'53	-0°58'28
minimum elong	-3195 Feb 23 j 10:28	9°♒47'55	0°58'32
	-3195 Mar 23 j 13:52	0°♓	
max. Earth dist.	-3195 Apr 06 j 00:55	9°♓25'26	2.50495 AU
morning rise	-3195 Apr 23 j 11:46	21°♓25'10	
	-3195 May 06 j 04:37	0°♈	
asc. node	-3195 Jun 18 j 15:16	28°♈27'24	
	-3195 Jun 21 j 01:13	0°♉	
	-3195 Aug 08 j 07:42	0°♊	
	-3195 Sep 29 j 10:38	0°♋	
	-3195 Dec 07 j 04:31	0°♌	
retrograde	-3194 Jan 03 j 00:53	3°♌54'41	
	-3194 Jan 27 j 23:25	30°℞♋	
opposition	-3194 Feb 09 j 05:30	25°♋44'04	4°56'43
greatest brilliancy	-3194 Feb 10 j 08:39	25°♋18'31	-1.7m
min. Earth dist.	-3194 Feb 15 j 22:38	23°♋12'46	0.58622 AU
direct	-3194 Mar 21 j 19:43	16°♋02'12	
	-3194 May 12 j 17:38	0°♌	
desc. node	-3194 Jun 27 j 07:24	25°♌33'48	
	-3194 Jul 04 j 04:32	0°♍	
	-3194 Aug 16 j 07:22	0°♎	
	-3194 Sep 25 j 05:16	0°♏	
	-3194 Nov 03 j 01:04	0°♐	
	-3194 Dec 12 j 02:27	0°♑	
	-3193 Jan 21 j 07:55	0°♒	
evening set	-3193 Feb 21 j 07:02	22°♒15'00	
	-3193 Mar 04 j 08:01	0°♓	
conjunction	-3193 Apr 17 j 01:24	29°♓49'43	-0°11'19
minimum elong	-3193 Apr 17 j 01:57	29°♓50'37	0°11'19
behind sun begin	-3193 Apr 16 j 10:33	29°♓24'54	
behind sun end	-3193 Apr 17 j 17:21	0°♈16'18	
	-3193 Apr 17 j 07:35	0°♈	
asc. node	-3193 May 06 j 12:48	12°♈43'27	
max. Earth dist.	-3193 May 08 j 17:41	14°♈10'14	2.61062 AU
	-3193 Jun 02 j 02:04	0°♉	
morning rise	-3193 Jun 06 j 13:32	2°♉53'00	
	-3193 Jul 19 j 05:27	0°♊	
	-3193 Sep 05 j 12:30	0°♋	
	-3193 Oct 25 j 14:53	0°♌	
	-3193 Dec 20 j 07:20	0°♍	
retrograde	-3192 Feb 25 j 08:23	19°♍40'19	
opposition	-3192 Mar 29 j 20:28	13°♍11'52	2°39'11
greatest brilliancy	-3192 Mar 30 j 18:54	12°♍53'22	-2.4m
min. Earth dist.	-3192 Apr 07 j 05:15	10°♍26'56	0.46230 AU
direct	-3192 May 05 j 15:17	5°♍18'01	
desc. node	-3192 May 14 j 07:45	5°♍49'16	
	-3192 Jul 13 j 17:43	0°♎	
	-3192 Aug 28 j 10:32	0°♏	
	-3192 Oct 08 j 22:15	0°♐	
	-3192 Nov 18 j 18:54	0°♑	
	-3192 Dec 30 j 10:38	0°♒	
	-3191 Feb 11 j 14:25	0°♓	
asc. node	-3191 Mar 23 j 10:07	26°♓41'51	
	-3191 Mar 28 j 10:23	0°♈	
evening set	-3191 Apr 08 j 18:17	7°♈25'30	
	-3191 May 13 j 15:23	0°♉	
conjunction	-3191 May 27 j 20:47	9°♉07'11	0°35'24
minimum elong	-3191 May 27 j 19:37	9°♉05'19	0°35'27
max. Earth dist.	-3191 Jun 01 j 21:27	12°♉20'03	2.66503 AU
	-3191 Jun 29 j 14:10	0°♊	
morning rise	-3191 Jul 13 j 02:09	8°♊35'57	
	-3191 Aug 15 j 15:08	0°♋	
	-3191 Oct 01 j 09:48	0°♌	
	-3191 Nov 17 j 01:18	0°♍	
	-3190 Jan 03 j 07:44	0°♎	
	-3190 Feb 22 j 13:55	0°♏	
desc. node	-3190 Apr 01 j 07:27	18°♏32'58	
retrograde	-3190 May 11 j 16:13	27°♏40'54	
opposition	-3190 Jun 11 j 05:24	22°♏36'03	-4°51'40
greatest brilliancy	-3190 Jun 11 j 01:51	22°♏38'25	-2.9m
min. Earth dist.	-3190 Jun 10 j 21:44	22°♏41'10	0.37643 AU
direct	-3190 Jul 11 j 07:56	17°♏34'29	
	-3190 Aug 27 j 09:36	0°♐	
	-3190 Oct 19 j 23:57	0°♑	
	-3190 Dec 05 j 21:45	0°♒	
	-3189 Jan 21 j 01:56	0°♓	
asc. node	-3189 Feb 08 j 08:29	11°♓47'41	
	-3189 Mar 08 j 18:27	0°♈	
	-3189 Apr 25 j 00:53	0°♉	
evening set	-3189 May 18 j 22:16	15°♉07'17	
	-3189 Jun 11 j 08:40	0°♊	
max. Earth dist.	-3189 Jun 25 j 15:44	9°♊07'16	2.66517 AU
conjunction	-3189 Jul 04 j 13:39	14°♊50'06	1°04'51
minimum elong	-3189 Jul 04 j 12:42	14°♊48'36	1°04'56
	-3189 Jul 28 j 01:16	0°♋	
morning rise	-3189 Aug 18 j 16:05	14°♋07'59	
	-3189 Sep 11 j 14:12	0°♌	
	-3189 Oct 25 j 19:04	0°♍	
	-3189 Dec 07 j 18:46	0°♎	
	-3188 Jan 18 j 21:09	0°♏	
desc. node	-3188 Feb 17 j 07:40	21°♏06'45	
	-3188 Feb 29 j 18:42	0°♐	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

	-3188 Apr 13 j 03:02	0°♉	
	-3188 Jun 03 j 08:50	0°♒	
retrograde	-3188 Jul 17 j 13:38	11°♒50'13	
min. Earth dist.	-3188 Aug 14 j 12:46	6°♒32'46	0.45544 AU
greatest brilliancy	-3188 Aug 21 j 04:16	4°♒15'47	-2.4m
opposition	-3188 Aug 22 j 14:34	3°♒46'10	-5°29'21
	-3188 Sep 03 j 16:55	30°℞♉	
direct	-3188 Sep 24 j 00:09	27°♉13'27	
	-3188 Oct 15 j 12:37	0°♒	
	-3188 Dec 23 j 09:01	0°♓	
asc. node	-3188 Dec 26 j 07:35	1°♓36'29	
	-3187 Feb 13 j 16:18	0°♈	
	-3187 Apr 04 j 10:18	0°♉	
	-3187 May 22 j 20:24	0°♊	
evening set	-3187 Jun 25 j 02:01	21°♊07'57	
	-3187 Jul 08 j 18:36	0°♋	
max. Earth dist.	-3187 Jul 19 j 18:19	7°♋11'33	2.61209 AU
conjunction	-3187 Aug 10 j 23:00	21°♋56'52	1°08'51
minimum elong	-3187 Aug 10 j 23:37	21°♋57'54	1°08'57
	-3187 Aug 22 j 20:58	0°♌	
morning rise	-3187 Sep 27 j 07:20	24°♌31'38	
	-3187 Oct 05 j 00:59	0°♍	
	-3187 Nov 15 j 11:35	0°♎	
	-3187 Dec 25 j 14:50	0°♏	
desc. node	-3186 Jan 04 j 07:07	7°♏20'04	
	-3186 Feb 03 j 01:36	0°♐	
	-3186 Mar 14 j 16:46	0°♑	
	-3186 Apr 24 j 19:17	0°♒	
	-3186 Jun 08 j 22:51	0°♓	
	-3186 Aug 11 j 20:09	0°♈	
retrograde	-3186 Sep 01 j 12:21	2°♈45'21	
	-3186 Sep 21 j 03:50	30°℞♓	
min. Earth dist.	-3186 Oct 04 j 19:08	25°♓20'05	0.57756 AU
opposition	-3186 Oct 10 j 19:00	22°♓59'01	-1°26'14
greatest brilliancy	-3186 Oct 10 j 12:05	23°♓05'48	-1.8m
asc. node	-3186 Nov 13 j 07:13	14°♓39'18	
direct	-3186 Nov 16 j 10:33	14°♓35'27	
	-3185 Jan 13 j 07:27	0°♈	
	-3185 Mar 12 j 23:16	0°♉	
	-3185 May 03 j 04:40	0°♊	
	-3185 Jun 20 j 02:30	0°♋	
evening set	-3185 Aug 04 j 18:22	0°♌18'51	
	-3185 Aug 04 j 07:19	0°♌	
max. Earth dist.	-3185 Aug 20 j 11:24	11°♌09'37	2.51108 AU
	-3185 Sep 16 j 01:14	0°♍	
conjunction	-3185 Sep 24 j 08:11	6°♍00'03	0°37'54
minimum elong	-3185 Sep 24 j 09:53	6°♍03'09	0°37'55
	-3185 Oct 26 j 18:15	0°♎	
morning rise	-3185 Nov 18 j 08:39	17°♎10'01	
desc. node	-3185 Nov 22 j 05:03	20°♎07'09	
	-3185 Dec 05 j 00:41	0°♏	
	-3184 Jan 12 j 14:16	0°♐	
	-3184 Feb 20 j 07:18	0°♑	
	-3184 Mar 31 j 02:05	0°♒	
	-3184 May 12 j 01:18	0°♓	
	-3184 Jun 26 j 23:58	0°♈	
	-3184 Aug 22 j 16:15	0°♉	
asc. node	-3184 Sep 30 j 07:37	10°♉36'13	
retrograde	-3184 Oct 07 j 08:56	10°♉55'19	
min. Earth dist.	-3184 Nov 14 j 02:57	1°♉57'03	0.65494 AU
opposition	-3184 Nov 16 j 11:16	1°♉00'28	1°46'23
greatest brilliancy	-3184 Nov 16 j 06:47	1°♉04'59	-1.4m
	-3184 Nov 18 j 23:40	30°℞♈	
direct	-3184 Dec 25 j 22:28	21°♈34'53	
	-3183 Feb 05 j 02:13	0°♉	
	-3183 Apr 09 j 08:21	0°♊	
	-3183 May 30 j 02:51	0°♋	
	-3183 Jul 15 j 04:28	0°♌	
	-3183 Aug 27 j 00:10	0°♍	
evening set	-3183 Sep 21 j 22:05	19°♍03'48	
	-3183 Oct 06 j 10:20	0°♎	
desc. node	-3183 Oct 09 j 03:36	2°♎04'04	
max. Earth dist.	-3183 Oct 21 j 09:19	11°♎26'37	2.38972 AU
	-3183 Nov 14 j 06:49	0°♏	
conjunction	-3183 Nov 20 j 11:02	4°♏50'13	-0°29'06
minimum elong	-3183 Nov 20 j 08:46	4°♏45'48	0°29'08
	-3183 Dec 22 j 10:47	0°♐	
morning rise	-3182 Jan 26 j 18:55	27°♐38'40	
	-3182 Jan 29 j 19:56	0°♑	
	-3182 Mar 10 j 06:55	0°♒	
	-3182 Apr 20 j 14:45	0°♓	
	-3182 Jun 03 j 13:54	0°♈	
	-3182 Jul 21 j 09:11	0°♉	
asc. node	-3182 Aug 18 j 07:40	15°♉50'10	
	-3182 Sep 15 j 22:30	0°♊	
retrograde	-3182 Nov 11 j 01:22	14°♊48'10	
opposition	-3182 Dec 20 j 17:23	5°♊20'06	3°55'21
greatest brilliancy	-3182 Dec 20 j 20:23	5°♊17'07	-1.3m
min. Earth dist.	-3182 Dec 22 j 04:28	4°♊45'13	0.67093 AU
	-3181 Jan 03 j 21:38	30°℞♉	
direct	-3181 Jan 30 j 18:06	25°♉23'33	
	-3181 Mar 01 j 00:06	0°♊	
	-3181 May 06 j 07:43	0°♋	
	-3181 Jun 24 j 08:26	0°♌	
	-3181 Aug 07 j 01:26	0°♍	
desc. node	-3181 Aug 27 j 02:12	14°♍34'15	
	-3181 Sep 16 j 16:29	0°♎	
	-3181 Oct 25 j 12:15	0°♏	
evening set	-3181 Nov 25 j 05:48	24°♏11'17	
	-3181 Dec 02 j 14:45	0°♐	
	-3180 Jan 09 j 23:50	0°♑	
conjunction	-3180 Jan 30 j 03:50	15°♑27'20	-1°06'52
minimum elong	-3180 Jan 30 j 04:26	15°♑28'29	1°06'59
	-3180 Feb 18 j 12:13	0°♒	
max. Earth dist.	-3180 Mar 18 j 19:58	21°♒26'27	2.45309 AU
	-3180 Mar 30 j 20:04	0°♓	
morning rise	-3180 Apr 02 j 19:14	2°♓05'39	
	-3180 May 13 j 09:44	0°♈	
	-3180 Jun 28 j 11:26	0°♉	
asc. node	-3180 Jul 05 j 05:47	4°♉15'25	
	-3180 Aug 16 j 16:23	0°♊	
	-3180 Oct 11 j 12:51	0°♋	
retrograde	-3180 Dec 17 j 11:59	19°♋23'22	
opposition	-3179 Jan 24 j 15:24	10°♋45'08	4°57'43
greatest brilliancy	-3179 Jan 25 j 11:48	10°♋25'30	-1.5m
min. Earth dist.	-3179 Jan 29 j 22:34	8°♋42'48	0.62243 AU
direct	-3179 Mar 06 j 18:08	0°♋49'12	
	-3179 May 28 j 01:34	0°♌	
desc. node	-3179 Jul 14 j 00:28	29°♌40'24	
	-3179 Jul 14 j 11:56	0°♍	
	-3179 Aug 25 j 08:47	0°♎	
	-3179 Oct 03 j 17:51	0°♏	
	-3179 Nov 11 j 05:17	0°♐	
	-3179 Dec 19 j 23:13	0°♑	
	-3178 Jan 28 j 21:21	0°♒	
evening set	-3178 Jan 30 j 04:19	0°♒57'00	
	-3178 Mar 11 j 14:27	0°♓	
conjunction	-3178 Mar 29 j 07:01	12°♓17'49	-0°31'19
minimum elong	-3178 Mar 29 j 08:36	12°♓20'33	0°31'20

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

	-3178 Apr 24 j 08:48	0°♈	
max. Earth dist.	-3178 Apr 27 j 11:17	2°♈04'35	2.57468 AU
morning rise	-3178 May 21 j 14:52	18°♈01'40	
asc. node	-3178 May 23 j 04:26	19°♈03'01	
	-3178 Jun 09 j 01:52	0°♉	
	-3178 Jul 26 j 11:44	0°♊	
	-3178 Sep 13 j 17:58	0°♋	
	-3178 Nov 05 j 18:50	0°♌	
	-3177 Jan 27 j 03:32	0°♍	
retrograde	-3177 Feb 02 j 06:36	0°♍13'26	
	-3177 Feb 08 j 06:17	30°℞♌	
opposition	-3177 Mar 09 j 09:55	22°♌59'13	4°04'07
greatest brilliancy	-3177 Mar 10 j 16:46	22°♌31'58	-2.0m
min. Earth dist.	-3177 Mar 17 j 17:22	20°♌03'31	0.51414 AU
direct	-3177 Apr 17 j 05:29	14°♌07'26	
desc. node	-3177 May 31 j 23:43	25°♌30'48	
	-3177 Jun 10 j 08:33	0°♍	
	-3177 Jul 29 j 20:59	0°♎	
	-3177 Sep 09 j 20:25	0°♏	
	-3177 Oct 19 j 19:05	0°♐	
	-3177 Nov 28 j 16:13	0°♑	
	-3176 Jan 08 j 14:15	0°♒	
	-3176 Feb 20 j 04:04	0°♓	
evening set	-3176 Mar 22 j 11:59	21°♓17'15	
	-3176 Apr 04 j 13:50	0°♈	
asc. node	-3176 Apr 09 j 03:00	3°♈00'38	
conjunction	-3176 May 12 j 09:10	24°♈44'15	0°18'48
minimum elong	-3176 May 12 j 08:25	24°♈43'02	0°18'50
	-3176 May 20 j 12:49	0°♉	
max. Earth dist.	-3176 May 23 j 15:05	1°♉59'32	2.64997 AU
morning rise	-3176 Jun 28 j 20:59	25°♉10'05	
	-3176 Jul 06 j 11:22	0°♊	
	-3176 Aug 22 j 20:29	0°♋	
	-3176 Oct 09 j 12:37	0°♌	
	-3176 Nov 27 j 02:56	0°♍	
	-3175 Jan 18 j 02:31	0°♎	
retrograde	-3175 Apr 09 j 17:47	28°♎02'11	
desc. node	-3175 Apr 18 j 00:25	27°♎36'31	
opposition	-3175 May 10 j 13:57	22°♎47'41	-1°35'52
greatest brilliancy	-3175 May 10 j 20:06	22°♎43'23	-2.8m
min. Earth dist.	-3175 May 15 j 12:04	21°♎25'17	0.39335 AU
direct	-3175 Jun 11 j 21:09	16°♎56'56	
	-3175 Jul 29 j 09:18	0°♏	
	-3175 Sep 18 j 14:58	0°♐	
	-3175 Nov 02 j 04:17	0°♑	
	-3175 Dec 15 j 23:48	0°♒	
	-3174 Jan 29 j 13:26	0°♓	
asc. node	-3174 Feb 25 j 00:27	17°♓26'23	
	-3174 Mar 16 j 07:46	0°♈	
	-3174 May 02 j 01:43	0°♉	
evening set	-3174 May 03 j 18:50	1°♉05'30	
max. Earth dist.	-3174 Jun 16 j 08:09	28°♉49'31	2.67154 AU
	-3174 Jun 18 j 04:21	0°♊	
conjunction	-3174 Jun 20 j 01:37	1°♊12'10	0°56'00
minimum elong	-3174 Jun 20 j 00:23	1°♊10'13	0°56'04
	-3174 Aug 03 j 22:33	0°♋	
morning rise	-3174 Aug 04 j 06:10	0°♋12'19	
	-3174 Sep 18 j 20:10	0°♌	
	-3174 Nov 02 j 18:04	0°♍	
	-3174 Dec 16 j 20:19	0°♎	
	-3173 Jan 29 j 13:52	0°♏	
desc. node	-3173 Mar 06 j 00:26	23°♏59'30	
	-3173 Mar 15 j 03:02	0°♐	
	-3173 May 04 j 05:50	0°♑	
retrograde	-3173 Jun 25 j 14:59	15°♑40'54	
min. Earth dist.	-3173 Jul 22 j 07:36	11°♑05'08	0.40960 AU
greatest brilliancy	-3173 Jul 27 j 18:05	9°♑25'17	-2.7m
opposition	-3173 Jul 29 j 05:02	8°♑58'17	-6°32'59
direct	-3173 Aug 28 j 23:24	3°♑19'53	
	-3173 Nov 14 j 07:01	0°♒	
	-3172 Jan 05 j 07:24	0°♓	
asc. node	-3172 Jan 12 j 22:56	4°♓36'47	
	-3172 Feb 23 j 11:36	0°♈	
	-3172 Apr 11 j 23:34	0°♉	
	-3172 May 29 j 20:48	0°♊	
evening set	-3172 Jun 10 j 04:18	7°♊10'33	
max. Earth dist.	-3172 Jul 09 j 16:10	26°♊07'01	2.63906 AU
	-3172 Jul 15 j 15:32	0°♋	
conjunction	-3172 Jul 26 j 14:58	7°♋10'54	1°10'52
minimum elong	-3172 Jul 26 j 14:53	7°♋10'46	1°10'58
	-3172 Aug 29 j 20:41	0°♌	
morning rise	-3172 Sep 10 j 14:49	7°♌59'34	
	-3172 Oct 12 j 08:30	0°♍	
	-3172 Nov 23 j 06:23	0°♎	
	-3171 Jan 02 j 23:17	0°♏	
desc. node	-3171 Jan 21 j 00:01	13°♏28'26	
	-3171 Feb 12 j 01:07	0°♐	
	-3171 Mar 24 j 11:01	0°♑	
	-3171 May 05 j 23:30	0°♒	
	-3171 Jun 24 j 23:42	0°♓	
retrograde	-3171 Aug 16 j 05:59	15°♓17'35	
min. Earth dist.	-3171 Sep 16 j 10:47	8°♓39'26	0.53301 AU
opposition	-3171 Sep 23 j 16:06	5°♓54'48	-2°58'54
greatest brilliancy	-3171 Sep 22 j 23:05	6°♓11'01	-2.0m
	-3171 Oct 12 j 03:32	30°℞♒	
direct	-3171 Oct 28 j 20:04	28°♒07'42	
	-3171 Nov 15 j 11:46	0°♓	
asc. node	-3171 Nov 29 j 22:43	3°♓47'41	
	-3170 Jan 27 j 13:38	0°♈	
	-3170 Mar 21 j 23:45	0°♉	
	-3170 May 10 j 19:01	0°♊	
	-3170 Jun 27 j 05:19	0°♋	
evening set	-3170 Jul 19 j 06:59	14°♋28'54	
max. Earth dist.	-3170 Aug 06 j 16:35	26°♋50'16	2.55583 AU
	-3170 Aug 11 j 08:08	0°♌	
conjunction	-3170 Sep 05 j 20:50	17°♌40'56	0°54'45
minimum elong	-3170 Sep 05 j 22:25	17°♌43'43	0°54'49
	-3170 Sep 23 j 05:12	0°♍	
morning rise	-3170 Oct 27 j 00:19	24°♍40'28	
	-3170 Nov 03 j 03:53	0°♎	
desc. node	-3170 Dec 08 j 23:52	27°♎09'09	
	-3170 Dec 12 j 16:55	0°♏	
	-3169 Jan 20 j 12:44	0°♐	
	-3169 Feb 28 j 11:26	0°♑	
	-3169 Apr 09 j 13:20	0°♒	
	-3169 May 22 j 03:43	0°♓	
	-3169 Jul 09 j 05:53	0°♈	
retrograde	-3169 Sep 24 j 15:04	27°♈06'48	
asc. node	-3169 Oct 17 j 22:18	23°♈21'58	
min. Earth dist.	-3169 Oct 30 j 18:43	18°♈40'36	0.63160 AU
opposition	-3169 Nov 03 j 13:51	17°♈09'19	0°39'47
greatest brilliancy	-3169 Nov 03 j 11:18	17°♈11'52	-1.5m
direct	-3169 Dec 12 j 02:05	8°♈03'37	
	-3168 Feb 22 j 18:35	0°♉	
	-3168 Apr 18 j 13:52	0°♊	
	-3168 Jun 06 j 21:03	0°♋	
	-3168 Jul 22 j 12:12	0°♌	
evening set	-3168 Sep 01 j 05:23	28°♌31'34	
	-3168 Sep 03 j 06:24	0°♍	
max. Earth dist.	-3168 Sep 18 j 02:50	10°♍49'56	2.43502 AU

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

	-3168 Oct 13 j 18:39	0°♎	
desc. node	-3168 Oct 25 j 21:51	9°♎14'21	
conjunction	-3168 Oct 26 j 13:47	9°♎44'49	-0°00'29
minimum elong	-3168 Oct 26 j 13:45	9°♎44'45	0°00'30
behind sun begin	-3168 Oct 25 j 12:59	8°♎57'22	
behind sun end	-3168 Oct 27 j 14:31	10°♎32'11	
	-3168 Nov 21 j 18:24	0°♏	
morning rise	-3168 Dec 28 j 11:41	28°♏46'17	
	-3168 Dec 30 j 01:15	0°♐	
	-3167 Feb 06 j 12:10	0°♑	
	-3167 Mar 18 j 00:21	0°♒	
	-3167 Apr 28 j 10:43	0°♓	
	-3167 Jun 11 j 19:50	0°♈	
	-3167 Jul 31 j 05:50	0°♉	
asc. node	-3167 Sep 03 j 22:15	17°♉37'30	
	-3167 Oct 10 j 04:16	0°♊	
retrograde	-3167 Oct 28 j 13:04	1°♊59'31	
	-3167 Nov 14 j 21:20	30°℞♉	
opposition	-3167 Dec 07 j 12:06	22°♉18'09	3°12'41
greatest brilliancy	-3167 Dec 07 j 10:29	22°♉19'46	-1.3m
min. Earth dist.	-3167 Dec 07 j 11:22	22°♉18'53	0.67226 AU
direct	-3166 Jan 17 j 01:40	12°♉30'23	
	-3166 Mar 21 j 02:15	0°♊	
	-3166 May 16 j 01:50	0°♋	
	-3166 Jul 02 j 12:33	0°♌	
	-3166 Aug 14 j 18:27	0°♍	
desc. node	-3166 Sep 12 j 19:05	21°♍20'28	
	-3166 Sep 24 j 06:21	0°♎	
evening set	-3166 Oct 29 j 09:01	27°♎06'32	
	-3166 Nov 02 j 01:39	0°♏	
	-3166 Dec 10 j 04:00	0°♐	
conjunction	-3165 Jan 02 j 14:12	18°♐23'41	-1°02'31
minimum elong	-3165 Jan 02 j 11:59	18°♐19'20	1°02'36
	-3165 Jan 17 j 12:15	0°♑	
max. Earth dist.	-3165 Feb 18 j 00:51	24°♑04'09	2.40182 AU
	-3165 Feb 25 j 23:02	0°♒	
morning rise	-3165 Mar 10 j 23:57	9°♒38'46	
	-3165 Apr 08 j 05:15	0°♓	
	-3165 May 21 j 19:45	0°♈	
	-3165 Jul 07 j 06:42	0°♉	
asc. node	-3165 Jul 22 j 22:24	9°♉36'40	
	-3165 Aug 27 j 00:23	0°♊	
	-3165 Oct 31 j 07:00	0°♋	
retrograde	-3165 Dec 03 j 06:54	5°♋44'31	
	-3164 Jan 02 j 12:10	30°℞♊	
opposition	-3164 Jan 11 j 03:57	26°♊43'42	4°42'53
greatest brilliancy	-3164 Jan 11 j 17:02	26°♊30'54	-1.4m
min. Earth dist.	-3164 Jan 14 j 23:27	25°♊14'11	0.64906 AU
direct	-3164 Feb 21 j 10:48	16°♊42'34	
	-3164 Apr 13 j 16:06	0°♋	
	-3164 Jun 08 j 06:08	0°♌	
	-3164 Jul 23 j 13:40	0°♍	
desc. node	-3164 Jul 30 j 17:33	5°♍03'29	
	-3164 Sep 02 j 18:10	0°♎	
	-3164 Oct 11 j 19:47	0°♏	
	-3164 Nov 19 j 02:04	0°♐	
	-3164 Dec 27 j 15:01	0°♑	
evening set	-3163 Jan 05 j 14:21	6°♑52'37	
	-3163 Feb 05 j 07:58	0°♒	
conjunction	-3163 Mar 08 j 08:34	22°♒33'47	-0°49'49
minimum elong	-3163 Mar 08 j 10:52	22°♒37'52	0°49'52
	-3163 Mar 18 j 20:03	0°♓	
max. Earth dist.	-3163 Apr 14 j 12:22	18°♓31'31	2.53163 AU
	-3163 May 01 j 10:57	0°♈	
morning rise	-3163 May 04 j 05:23	1°♈51'19	
asc. node	-3163 Jun 08 j 20:45	25°♈16'46	
	-3163 Jun 16 j 04:46	0°♉	
	-3163 Aug 03 j 01:20	0°♊	
	-3163 Sep 22 j 19:32	0°♋	
	-3163 Nov 20 j 23:10	0°♌	
retrograde	-3162 Jan 13 j 08:14	13°♌15'56	
opposition	-3162 Feb 18 j 21:00	5°♌23'27	4°45'47
greatest brilliancy	-3162 Feb 20 j 02:51	4°♌55'51	-1.8m
min. Earth dist.	-3162 Feb 26 j 06:28	2°♌39'43	0.56254 AU
	-3162 Mar 06 j 01:57	30°℞♋	
direct	-3162 Mar 30 j 23:46	25°♋54'42	
	-3162 Apr 26 j 00:28	0°♌	
desc. node	-3162 Jun 17 j 16:55	24°♌34'19	
	-3162 Jun 26 j 15:54	0°♍	
	-3162 Aug 10 j 03:46	0°♎	
	-3162 Sep 19 j 14:45	0°♏	
	-3162 Oct 28 j 17:50	0°♐	
	-3162 Dec 07 j 00:20	0°♑	
	-3161 Jan 16 j 10:01	0°♒	
	-3161 Feb 27 j 13:21	0°♓	
evening set	-3161 Mar 04 j 18:16	3°♓36'42	
	-3161 Apr 12 j 15:16	0°♈	
conjunction	-3161 Apr 26 j 23:17	9°♈30'02	0°00'07
minimum elong	-3161 Apr 26 j 23:18	9°♈30'03	0°00'08
behind sun begin	-3161 Apr 26 j 02:28	8°♈55'45	
behind sun end	-3161 Apr 27 j 20:08	10°♈04'20	
asc. node	-3161 Apr 26 j 18:35	9°♈22'20	
max. Earth dist.	-3161 May 14 j 19:28	21°♈10'44	2.62688 AU
	-3161 May 28 j 10:13	0°♉	
morning rise	-3161 Jun 15 j 05:46	11°♉26'20	
	-3161 Jul 14 j 10:53	0°♊	
	-3161 Aug 31 j 08:08	0°♋	
	-3161 Oct 19 j 08:00	0°♌	
	-3161 Dec 10 j 08:32	0°♍	
	-3160 Feb 18 j 12:57	0°♎	
retrograde	-3160 Mar 11 j 02:58	2°♎39'57	
	-3160 Apr 01 j 00:54	30°℞♍	
opposition	-3160 Apr 12 j 17:02	26°♍39'29	1°24'00
greatest brilliancy	-3160 Apr 13 j 04:51	26°♍30'14	-2.6m
min. Earth dist.	-3160 Apr 20 j 11:33	24°♍14'35	0.43432 AU
desc. node	-3160 May 04 j 16:11	20°♍41'37	
direct	-3160 May 17 j 23:16	19°♍28'01	
	-3160 Jun 28 j 22:49	0°♎	
	-3160 Aug 19 j 21:26	0°♏	
	-3160 Oct 02 j 01:49	0°♐	
	-3160 Nov 12 j 19:14	0°♑	
	-3160 Dec 25 j 00:36	0°♒	
	-3159 Feb 06 j 13:34	0°♓	
asc. node	-3159 Mar 13 j 16:47	23°♓27'33	
	-3159 Mar 23 j 15:45	0°♈	
evening set	-3159 Apr 18 j 02:05	16°♈32'14	
	-3159 May 09 j 00:10	0°♉	
conjunction	-3159 Jun 05 j 09:53	17°♉31'05	0°43'48
minimum elong	-3159 Jun 05 j 08:37	17°♉29'04	0°43'53
max. Earth dist.	-3159 Jun 07 j 06:33	18°♉42'19	2.66969 AU
	-3159 Jun 24 j 23:44	0°♊	
morning rise	-3159 Jul 21 j 03:17	16°♊41'26	
	-3159 Aug 10 j 21:47	0°♋	
	-3159 Sep 26 j 07:53	0°♌	
	-3159 Nov 11 j 05:51	0°♍	
	-3159 Dec 27 j 01:13	0°♎	
	-3158 Feb 11 j 20:20	0°♏	
desc. node	-3158 Mar 22 j 17:38	23°♏00'14	
	-3158 Apr 05 j 03:46	0°♐	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

retrograde	-3158 May 29 j 05:17	15°♐43'01	
min. Earth dist.	-3158 Jun 26 j 01:12	11°♐11'36	0.38036 AU
opposition	-3158 Jun 29 j 09:03	10°♐17'18	-6°05'59
greatest brilliancy	-3158 Jun 28 j 15:23	10°♐29'20	-2.9m
direct	-3158 Jul 29 j 01:58	5°♐16'55	
	-3158 Oct 09 j 04:08	0°♑	
	-3158 Nov 28 j 16:08	0°♒	
	-3157 Jan 15 j 05:39	0°♓	
asc. node	-3157 Jan 29 j 14:02	9°♓05'59	
	-3157 Mar 03 j 14:54	0°♈	
	-3157 Apr 20 j 06:05	0°♉	
evening set	-3157 May 27 j 10:45	23°♉27'44	
	-3157 Jun 06 j 18:05	0°♊	
max. Earth dist.	-3157 Jul 01 j 02:47	15°♊33'25	2.65819 AU
conjunction	-3157 Jul 12 j 21:19	23°♊08'28	1°08'15
minimum elong	-3157 Jul 12 j 20:39	23°♊07'24	1°08'21
	-3157 Jul 23 j 11:17	0°♋	
morning rise	-3157 Aug 27 j 03:22	22°♋48'41	
	-3157 Sep 06 j 21:20	0°♌	
	-3157 Oct 20 j 19:55	0°♍	
	-3157 Dec 02 j 09:29	0°♎	
	-3156 Jan 12 j 22:01	0°♏	
desc. node	-3156 Feb 07 j 17:53	18°♏52'09	
	-3156 Feb 22 j 23:41	0°♐	
	-3156 Apr 04 j 20:07	0°♑	
	-3156 May 20 j 17:36	0°♒	
retrograde	-3156 Jul 29 j 01:34	25°♒10'41	
min. Earth dist.	-3156 Aug 27 j 01:58	19°♒25'18	0.48304 AU
greatest brilliancy	-3156 Sep 02 j 22:15	16°♒57'55	-2.2m
opposition	-3156 Sep 04 j 03:05	16°♒31'56	-4°36'51
direct	-3156 Oct 07 j 13:31	9°♒30'37	
	-3156 Dec 13 j 21:41	0°♓	
asc. node	-3156 Dec 16 j 12:53	1°♓17'30	
	-3155 Feb 07 j 10:40	0°♈	
	-3155 Mar 30 j 05:08	0°♉	
	-3155 May 18 j 01:43	0°♊	
evening set	-3155 Jul 03 j 18:08	29°♊43'45	
	-3155 Jul 04 j 04:08	0°♋	
max. Earth dist.	-3155 Jul 26 j 00:46	14°♋21'58	2.59399 AU
	-3155 Aug 18 j 06:46	0°♌	
conjunction	-3155 Aug 20 j 01:34	1°♌12'53	1°05'20
minimum elong	-3155 Aug 20 j 02:35	1°♌14'37	1°05'25
	-3155 Sep 30 j 08:32	0°♍	
morning rise	-3155 Oct 07 j 11:43	5°♍06'05	
	-3155 Nov 10 j 14:47	0°♎	
	-3155 Dec 20 j 12:44	0°♏	
desc. node	-3155 Dec 25 j 16:25	3°♏55'27	
	-3154 Jan 28 j 17:36	0°♐	
	-3154 Mar 09 j 01:28	0°♑	
	-3154 Apr 18 j 16:09	0°♒	
	-3154 Jun 01 j 11:50	0°♓	
	-3154 Jul 24 j 21:23	0°♈	
retrograde	-3154 Sep 10 j 05:27	12°♈16'00	
min. Earth dist.	-3154 Oct 14 j 13:42	4°♈27'15	0.59896 AU
opposition	-3154 Oct 19 j 18:56	2°♈23'05	-0°37'09
greatest brilliancy	-3154 Oct 19 j 16:22	2°♈25'38	-1.7m
	-3154 Oct 25 j 22:38	30°♓R	
asc. node	-3154 Nov 03 j 13:38	27°♓05'21	
direct	-3154 Nov 26 j 03:24	23°♓42'48	
	-3154 Dec 30 j 16:39	0°♈	
	-3153 Mar 06 j 10:51	0°♉	
	-3153 Apr 27 j 22:38	0°♊	
	-3153 Jun 15 j 07:20	0°♋	
	-3153 Jul 30 j 16:00	0°♌	
evening set	-3153 Aug 14 j 15:29	10°♌18'53	
max. Earth dist.	-3153 Aug 29 j 14:31	20°♌49'30	2.48457 AU
	-3153 Sep 11 j 10:28	0°♍	
conjunction	-3153 Oct 05 j 15:58	17°♍43'18	0°25'29
minimum elong	-3153 Oct 05 j 17:21	17°♍45'53	0°25'30
	-3153 Oct 22 j 01:55	0°♎	
desc. node	-3153 Nov 12 j 14:51	16°♎23'37	
	-3153 Nov 30 j 05:52	0°♏	
morning rise	-3153 Dec 02 j 07:37	1°♏36'30	
	-3152 Jan 07 j 16:42	0°♐	
	-3152 Feb 15 j 06:46	0°♑	
	-3152 Mar 25 j 22:02	0°♒	
	-3152 May 06 j 14:27	0°♓	
	-3152 Jun 20 j 18:02	0°♈	
	-3152 Aug 12 j 09:26	0°♉	
asc. node	-3152 Sep 20 j 13:57	15°♉29'05	
retrograde	-3152 Oct 15 j 03:42	18°♉59'42	
min. Earth dist.	-3152 Nov 22 j 17:17	9°♉45'11	0.66375 AU
opposition	-3152 Nov 24 j 05:39	9°♉08'39	2°20'50
greatest brilliancy	-3152 Nov 24 j 01:27	9°♉12'52	-1.4m
	-3152 Dec 25 j 22:09	30°♈R	
direct	-3151 Jan 03 j 03:08	29°♈34'02	
	-3151 Jan 11 j 14:43	0°♉	
	-3151 Apr 02 j 14:06	0°♊	
	-3151 May 24 j 18:18	0°♋	
	-3151 Jul 10 j 06:38	0°♌	
	-3151 Aug 22 j 06:21	0°♍	
desc. node	-3151 Sep 29 j 12:54	28°♍20'16	
	-3151 Oct 01 j 17:29	0°♎	
evening set	-3151 Oct 04 j 16:32	2°♎15'07	
	-3151 Nov 09 j 13:42	0°♏	
max. Earth dist.	-3151 Nov 28 j 09:23	14°♏46'59	2.37553 AU
conjunction	-3151 Dec 05 j 13:42	20°♏26'21	-0°43'58
minimum elong	-3151 Dec 05 j 10:36	20°♏20'14	0°44'01
	-3151 Dec 17 j 16:53	0°♐	
	-3150 Jan 25 j 00:59	0°♑	
morning rise	-3150 Feb 12 j 00:33	13°♑49'30	
	-3150 Mar 05 j 10:53	0°♒	
	-3150 Apr 15 j 16:45	0°♓	
	-3150 May 29 j 10:38	0°♈	
	-3150 Jul 15 j 13:44	0°♉	
asc. node	-3150 Aug 08 j 13:10	14°♉07'33	
	-3150 Sep 07 j 01:48	0°♊	
retrograde	-3150 Nov 19 j 00:15	22°♊38'24	
opposition	-3150 Dec 28 j 10:31	13°♊19'10	4°15'51
greatest brilliancy	-3150 Dec 28 j 16:51	13°♊12'54	-1.3m
min. Earth dist.	-3150 Dec 30 j 18:00	12°♊24'15	0.66579 AU
direct	-3149 Feb 07 j 14:41	3°♊19'31	
	-3149 Apr 29 j 02:00	0°♋	
	-3149 Jun 18 j 17:21	0°♌	
	-3149 Aug 01 j 22:10	0°♍	
desc. node	-3149 Aug 17 j 10:20	11°♍10'36	
	-3149 Sep 11 j 17:37	0°♎	
	-3149 Oct 20 j 15:25	0°♏	
	-3149 Nov 27 j 19:06	0°♐	
evening set	-3149 Dec 10 j 18:57	10°♐12'30	
	-3148 Jan 05 j 05:01	0°♑	
conjunction	-3148 Feb 13 j 17:33	29°♑58'44	-1°03'19
minimum elong	-3148 Feb 13 j 19:20	0°♒02'04	1°03'24
	-3148 Feb 13 j 18:14	0°♒	
	-3148 Mar 26 j 02:31	0°♓	
max. Earth dist.	-3148 Mar 29 j 18:34	2°♓35'26	2.48213 AU
morning rise	-3148 Apr 14 j 20:53	13°♓49'04	
	-3148 May 08 j 15:10	0°♈	
	-3148 Jun 23 j 12:10	0°♉	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

asc. node	-3148 Jun 25 j 12:31	1°♉16'55	
	-3148 Aug 11 j 01:40	0°♊	
	-3148 Oct 03 j 08:50	0°♋	
retrograde	-3148 Dec 26 j 17:58	27°♋59'28	
opposition	-3147 Feb 02 j 09:13	19°♋35'52	4°59'02
greatest brilliancy	-3147 Feb 03 j 09:36	19°♋12'40	-1.6m
min. Earth dist.	-3147 Feb 08 j 11:39	17°♋16'35	0.60356 AU
direct	-3147 Mar 15 j 06:03	9°♋46'06	
	-3147 May 19 j 09:11	0°♌	
desc. node	-3147 Jul 04 j 09:51	27°♌27'57	
	-3147 Jul 08 j 05:37	0°♍	
	-3147 Aug 19 j 18:42	0°♎	
	-3147 Sep 28 j 10:51	0°♏	
	-3147 Nov 06 j 02:33	0°♐	
	-3147 Dec 14 j 23:41	0°♑	
	-3146 Jan 24 j 00:46	0°♒	
evening set	-3146 Feb 12 j 01:00	13°♒48'47	
	-3146 Mar 06 j 20:27	0°♓	
conjunction	-3146 Apr 09 j 05:19	22°♓57'44	-0°19'48
minimum elong	-3146 Apr 09 j 06:19	22°♓59'24	0°19'49
	-3146 Apr 19 j 16:24	0°♈	
max. Earth dist.	-3146 May 04 j 02:01	9°♈34'39	2.59564 AU
asc. node	-3146 May 13 j 10:31	15°♈44'08	
morning rise	-3146 May 30 j 21:17	27°♈05'55	
	-3146 Jun 04 j 09:03	0°♉	
	-3146 Jul 21 j 14:13	0°♊	
	-3146 Sep 08 j 05:30	0°♋	
	-3146 Oct 29 j 08:08	0°♌	
	-3146 Dec 28 j 11:17	0°♍	
retrograde	-3145 Feb 14 j 20:21	11°♍18'07	
opposition	-3145 Mar 21 j 02:41	4°♍28'05	3°21'43
greatest brilliancy	-3145 Mar 22 j 06:05	4°♍04'39	-2.2m
min. Earth dist.	-3145 Mar 29 j 14:02	1°♍34'58	0.48570 AU
	-3145 Apr 03 j 14:22	30°℞♌	
direct	-3145 Apr 27 j 21:06	26°♌05'12	
desc. node	-3145 May 22 j 10:19	29°♌55'29	
	-3145 May 22 j 16:25	0°♍	
	-3145 Jul 21 j 11:44	0°♎	
	-3145 Sep 03 j 03:24	0°♏	
	-3145 Oct 13 j 19:53	0°♐	
	-3145 Nov 23 j 03:55	0°♑	
	-3144 Jan 03 j 09:57	0°♒	
	-3144 Feb 15 j 05:52	0°♓	
asc. node	-3144 Mar 30 j 07:41	29°♓39'43	
	-3144 Mar 30 j 19:58	0°♈	
evening set	-3144 Apr 01 j 12:59	1°♈07'42	
	-3144 May 15 j 21:21	0°♉	
conjunction	-3144 May 21 j 08:38	3°♉31'03	0°28'44
minimum elong	-3144 May 21 j 07:36	3°♉29'23	0°28'47
max. Earth dist.	-3144 May 29 j 04:29	8°♉32'15	2.65941 AU
	-3144 Jul 01 j 19:36	0°♊	
morning rise	-3144 Jul 07 j 01:41	3°♊20'36	
	-3144 Aug 17 j 23:46	0°♋	
	-3144 Oct 04 j 03:08	0°♌	
	-3144 Nov 20 j 12:37	0°♍	
	-3143 Jan 08 j 08:53	0°♎	
	-3143 Mar 04 j 15:22	0°♏	
desc. node	-3143 Apr 08 j 09:55	12°♏28'12	
retrograde	-3143 Apr 27 j 14:49	14°♏42'07	
opposition	-3143 May 28 j 01:23	9°♏39'46	-3°31'23
greatest brilliancy	-3143 May 28 j 05:59	9°♏36'40	-2.9m
min. Earth dist.	-3143 May 30 j 05:52	9°♏04'25	0.38030 AU
direct	-3143 Jun 27 j 23:22	4°♏22'52	
	-3143 Sep 07 j 13:12	0°♐	
	-3143 Oct 25 j 13:47	0°♑	
	-3143 Dec 09 j 19:17	0°♒	
	-3142 Jan 24 j 03:24	0°♓	
asc. node	-3142 Feb 15 j 06:00	14°♓25'49	
	-3142 Mar 11 j 08:23	0°♈	
	-3142 Apr 27 j 08:23	0°♉	
evening set	-3142 May 12 j 12:41	9°♉38'04	
	-3142 Jun 13 j 13:49	0°♊	
max. Earth dist.	-3142 Jun 21 j 17:36	5°♊12'11	2.66911 AU
conjunction	-3142 Jun 28 j 09:32	9°♊27'41	1°01'34
minimum elong	-3142 Jun 28 j 08:27	9°♊25'57	1°01'40
	-3142 Jul 30 j 07:24	0°♋	
morning rise	-3142 Aug 12 j 11:11	8°♋33'23	
	-3142 Sep 14 j 00:36	0°♌	
	-3142 Oct 28 j 13:13	0°♍	
	-3142 Dec 11 j 00:02	0°♎	
	-3141 Jan 22 j 17:44	0°♏	
desc. node	-3141 Feb 24 j 10:11	22°♏57'45	
	-3141 Mar 06 j 13:08	0°♐	
	-3141 Apr 20 j 17:21	0°♑	
	-3141 Jun 24 j 23:27	0°♒	
retrograde	-3141 Jul 09 j 01:27	1°♒24'12	
	-3141 Jul 23 j 01:13	30°℞♑	
min. Earth dist.	-3141 Aug 05 j 07:09	26°♑28'16	0.43372 AU
greatest brilliancy	-3141 Aug 11 j 14:06	24°♑24'31	-2.5m
opposition	-3141 Aug 13 j 02:36	23°♑54'25	-6°03'45
direct	-3141 Sep 13 j 17:03	17°♑46'12	
	-3141 Nov 01 j 06:46	0°♒	
	-3141 Dec 29 j 02:33	0°♓	
asc. node	-3140 Jan 03 j 05:06	2°♓56'23	
	-3140 Feb 17 j 19:43	0°♈	
	-3140 Apr 06 j 23:19	0°♉	
	-3140 May 25 j 03:50	0°♊	
evening set	-3140 Jun 18 j 16:48	15°♊34'44	
	-3140 Jul 11 j 01:07	0°♋	
max. Earth dist.	-3140 Jul 15 j 13:06	2°♋56'02	2.62520 AU
conjunction	-3140 Aug 04 j 07:36	15°♋57'43	1°10'18
minimum elong	-3140 Aug 04 j 07:55	15°♋58'15	1°10'24
	-3140 Aug 25 j 05:38	0°♌	
morning rise	-3140 Sep 19 j 23:03	17°♌39'06	
	-3140 Oct 07 j 14:04	0°♍	
	-3140 Nov 18 j 06:17	0°♎	
	-3140 Dec 28 j 15:44	0°♏	
desc. node	-3139 Jan 11 j 10:10	10°♏22'15	
	-3139 Feb 06 j 08:46	0°♐	
	-3139 Mar 18 j 06:27	0°♑	
	-3139 Apr 28 j 19:36	0°♒	
	-3139 Jun 14 j 06:31	0°♓	
retrograde	-3139 Aug 25 j 18:32	25°♓56'28	
min. Earth dist.	-3139 Sep 27 j 03:10	18°♓51'08	0.55839 AU
opposition	-3139 Oct 03 j 16:28	16°♓18'36	-2°04'31
greatest brilliancy	-3139 Oct 03 j 05:35	16°♓29'11	-1.9m
direct	-3139 Nov 08 j 16:40	8°♓10'12	
asc. node	-3139 Nov 20 j 04:45	8°♓59'14	
	-3138 Jan 19 j 03:37	0°♈	
	-3138 Mar 16 j 04:04	0°♉	
	-3138 May 05 j 18:24	0°♊	
	-3138 Jun 22 j 11:58	0°♋	
evening set	-3138 Jul 28 j 13:55	23°♋48'31	
	-3138 Aug 06 j 16:59	0°♌	
max. Earth dist.	-3138 Aug 14 j 08:50	5°♌14'54	2.53175 AU
conjunction	-3138 Sep 16 j 03:54	28°♌16'50	0°45'50
minimum elong	-3138 Sep 16 j 05:37	28°♌19'55	0°45'53
	-3138 Sep 18 j 13:28	0°♍	
	-3138 Oct 29 j 09:50	0°♎	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

morning rise	-3138 Nov 08 j 06:55	7°♎26'14	
desc. node	-3138 Nov 29 j 08:08	23°♎28'34	
	-3138 Dec 07 j 19:41	0°♏	
	-3137 Jan 15 j 12:11	0°♐	
	-3137 Feb 23 j 07:08	0°♑	
	-3137 Apr 04 j 03:43	0°♒	
	-3137 May 16 j 06:53	0°♓	
	-3137 Jul 01 j 20:12	0°♈	
	-3137 Sep 01 j 11:29	0°♉	
retrograde	-3137 Oct 02 j 14:33	5°♉33'14	
asc. node	-3137 Oct 08 j 05:00	5°♉20'31	
	-3137 Oct 31 j 08:39	30°℞♈	
min. Earth dist.	-3137 Nov 08 j 15:34	26°♈48'38	0.64560 AU
opposition	-3137 Nov 11 j 15:20	25°♈36'32	1°19'43
greatest brilliancy	-3137 Nov 11 j 11:11	25°♈40'42	-1.5m
direct	-3137 Dec 20 j 16:13	16°♈19'15	
	-3136 Feb 13 j 06:14	0°♉	
	-3136 Apr 12 j 15:57	0°♊	
	-3136 Jun 01 j 19:29	0°♋	
	-3136 Jul 17 j 17:43	0°♌	
	-3136 Aug 29 j 14:01	0°♍	
evening set	-3136 Sep 12 j 16:04	10°♍16'02	
max. Earth dist.	-3136 Oct 04 j 07:16	26°♍23'11	2.40841 AU
	-3136 Oct 09 j 01:57	0°♎	
desc. node	-3136 Oct 16 j 06:16	5°♎27'45	
conjunction	-3136 Nov 09 j 06:46	23°♎58'38	-0°16'47
minimum elong	-3136 Nov 09 j 05:29	23°♎56'09	0°16'49
	-3136 Nov 17 j 00:17	0°♏	
	-3136 Dec 25 j 05:35	0°♐	
morning rise	-3135 Jan 13 j 22:18	15°♐27'08	
	-3135 Feb 01 j 15:00	0°♑	
	-3135 Mar 13 j 01:31	0°♒	
	-3135 Apr 23 j 09:02	0°♓	
	-3135 Jun 06 j 09:59	0°♈	
	-3135 Jul 24 j 16:34	0°♉	
asc. node	-3135 Aug 25 j 05:01	17°♉15'06	
	-3135 Sep 22 j 08:08	0°♊	
retrograde	-3135 Nov 05 j 07:00	9°♊46'57	
opposition	-3135 Dec 15 j 02:22	0°♊12'36	3°38'33
greatest brilliancy	-3135 Dec 15 j 03:07	0°♊11'52	-1.3m
	-3135 Dec 15 j 14:59	30°℞♉	
min. Earth dist.	-3135 Dec 15 j 21:34	29°♉53'26	0.67282 AU
direct	-3134 Jan 24 j 22:17	20°♉19'22	
	-3134 Mar 10 j 07:23	0°♊	
	-3134 May 09 j 22:37	0°♋	
	-3134 Jun 27 j 07:21	0°♌	
	-3134 Aug 09 j 20:49	0°♍	
desc. node	-3134 Sep 03 j 05:04	17°♍46'55	
	-3134 Sep 19 j 11:21	0°♎	
	-3134 Oct 28 j 07:17	0°♏	
evening set	-3134 Nov 13 j 07:30	12°♏34'52	
	-3134 Dec 05 j 09:37	0°♐	
	-3133 Jan 12 j 17:38	0°♑	
conjunction	-3133 Jan 18 j 08:37	4°♑20'44	-1°06'46
minimum elong	-3133 Jan 18 j 07:59	4°♑19'30	1°06'52
	-3133 Feb 21 j 04:10	0°♒	
max. Earth dist.	-3133 Mar 09 j 07:20	11°♒54'48	2.42948 AU
morning rise	-3133 Mar 24 j 21:57	23°♒13'27	
	-3133 Apr 03 j 09:59	0°♓	
	-3133 May 16 j 22:16	0°♈	
	-3133 Jul 02 j 01:55	0°♉	
asc. node	-3133 Jul 13 j 03:22	6°♉54'25	
	-3133 Aug 20 j 18:19	0°♊	
	-3133 Oct 18 j 02:25	0°♋	
retrograde	-3133 Dec 11 j 20:50	13°♋54'34	
opposition	-3132 Jan 19 j 08:36	5°♋05'48	4°52'50
greatest brilliancy	-3132 Jan 20 j 01:47	4°♋49'07	-1.4m
min. Earth dist.	-3132 Jan 23 j 23:59	3°♋17'40	0.63560 AU
	-3132 Feb 01 j 23:53	30°℞♊	
direct	-3132 Feb 29 j 13:49	25°♊06'29	
	-3132 Mar 30 j 04:33	0°♋	
	-3132 Jun 01 j 11:30	0°♌	
	-3132 Jul 17 j 22:44	0°♍	
desc. node	-3132 Jul 21 j 03:24	2°♍12'53	
	-3132 Aug 28 j 12:59	0°♎	
	-3132 Oct 06 j 19:02	0°♏	
	-3132 Nov 14 j 04:01	0°♐	
	-3132 Dec 22 j 18:56	0°♑	
evening set	-3131 Jan 19 j 19:02	21°♑14'39	
	-3131 Jan 31 j 13:30	0°♒	
	-3131 Mar 14 j 02:58	0°♓	
conjunction	-3131 Mar 20 j 13:05	4°♓30'31	-0°39'32
minimum elong	-3131 Mar 20 j 15:04	4°♓33'58	0°39'33
max. Earth dist.	-3131 Apr 22 j 04:52	26°♓56'04	2.55618 AU
	-3131 Apr 26 j 18:10	0°♈	
morning rise	-3131 May 14 j 08:49	11°♈43'11	
asc. node	-3131 May 30 j 02:02	22°♈01'00	
	-3131 Jun 11 j 10:12	0°♉	
	-3131 Jul 28 j 23:09	0°♊	
	-3131 Sep 16 j 17:40	0°♋	
	-3131 Nov 10 j 15:21	0°♌	
retrograde	-3130 Jan 24 j 08:13	23°♌05'47	
opposition	-3130 Mar 01 j 02:49	15°♌33'29	4°25'41
greatest brilliancy	-3130 Mar 02 j 09:55	15°♌05'20	-1.9m
min. Earth dist.	-3130 Mar 09 j 01:34	12°♌41'20	0.53653 AU
direct	-3130 Apr 09 j 13:40	6°♌22'43	
desc. node	-3130 Jun 08 j 02:18	24°♌44'57	
	-3130 Jun 17 j 16:39	0°♍	
	-3130 Aug 03 j 11:43	0°♎	
	-3130 Sep 13 j 16:56	0°♏	
	-3130 Oct 23 j 05:53	0°♐	
	-3130 Dec 01 j 19:16	0°♑	
	-3129 Jan 11 j 10:20	0°♒	
	-3129 Feb 22 j 18:05	0°♓	
evening set	-3129 Mar 15 j 15:26	14°♓20'01	
	-3129 Apr 07 j 22:53	0°♈	
asc. node	-3129 Apr 17 j 00:44	6°♈00'57	
conjunction	-3129 May 06 j 11:56	18°♈47'13	0°11'10
minimum elong	-3129 May 06 j 11:28	18°♈46'27	0°11'12
behind sun begin	-3129 May 05 j 20:40	18°♈22'21	
behind sun end	-3129 May 07 j 02:15	19°♈10'31	
max. Earth dist.	-3129 May 20 j 15:15	27°♈57'39	2.64062 AU
	-3129 May 23 j 19:01	0°♉	
morning rise	-3129 Jun 23 j 17:06	19°♉48'58	
	-3129 Jul 09 j 17:42	0°♊	
	-3129 Aug 26 j 07:18	0°♋	
	-3129 Oct 13 j 11:39	0°♌	
	-3129 Dec 02 j 06:51	0°♍	
	-3128 Jan 27 j 05:17	0°♎	
retrograde	-3128 Mar 27 j 06:30	16°♎49'39	
desc. node	-3128 Apr 25 j 02:38	12°♎04'04	
opposition	-3128 Apr 27 j 19:59	11°♎16'37	-0°11'10
greatest brilliancy	-3128 Apr 27 j 21:06	11°♎15'48	-2.7m
min. Earth dist.	-3128 May 04 j 09:26	9°♎21'36	0.40959 AU
direct	-3128 May 31 j 11:27	4°♎50'32	
	-3128 Aug 09 j 02:39	0°♏	
	-3128 Sep 24 j 09:22	0°♐	
	-3128 Nov 06 j 09:52	0°♑	
	-3128 Dec 19 j 09:01	0°♒	
	-3127 Feb 01 j 09:43	0°♓	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

asc. node	-3127 Mar 03 j 22:04	20°♓15'34		
	-3127 Mar 18 j 19:20	0°♈		
evening set	-3127 Apr 27 j 03:59	25°♈24'20		
	-3127 May 04 j 08:14	0°♉		
conjunction	-3127 Jun 13 j 20:45	25°♉50'42	0°51'16	
minimum elong	-3127 Jun 13 j 19:28	25°♉48'40	0°51'21	
max. Earth dist.	-3127 Jun 12 j 13:59	25°♉01'41	2.67172 AU	
	-3127 Jun 20 j 09:12	0°♊		
morning rise	-3127 Jul 29 j 05:41	24°♊51'55		
	-3127 Aug 06 j 05:02	0°♋		
	-3127 Sep 21 j 08:17	0°♌		
	-3127 Nov 05 j 16:17	0°♍		
	-3127 Dec 20 j 10:48	0°♎		
	-3126 Feb 03 j 06:31	0°♏		
desc. node	-3126 Mar 13 j 02:51	24°♏31'42		
	-3126 Mar 21 j 23:12	0°♐		
	-3126 May 22 j 13:31	0°♑		
retrograde	-3126 Jun 14 j 06:16	3°♑21'44		
	-3126 Jul 07 j 01:56	30°℞♐		
min. Earth dist.	-3126 Jul 11 j 01:38	28°♐54'16	0.39361 AU	
greatest brilliancy	-3126 Jul 15 j 10:29	27°♐38'31	-2.8m	
opposition	-3126 Jul 16 j 15:51	27°♐17'08	-6°36'42	
direct	-3126 Aug 15 j 20:01	21°♐59'53		
	-3126 Sep 22 j 07:08	0°♑		
	-3126 Nov 20 j 10:02	0°♒		
	-3125 Jan 09 j 01:07	0°♓		
asc. node	-3125 Jan 19 j 20:14	6°♓41'05		
	-3125 Feb 26 j 07:38	0°♈		
	-3125 Apr 15 j 09:34	0°♉		
	-3125 Jun 02 j 02:42	0°♊		
evening set	-3125 Jun 04 j 21:41	1°♊46'11		
max. Earth dist.	-3125 Jul 06 j 15:15	22°♊03'53	2.64859 AU	
	-3125 Jul 18 j 21:08	0°♋		
conjunction	-3125 Jul 21 j 06:58	1°♋34'08	1°10'17	
minimum elong	-3125 Jul 21 j 06:38	1°♋33'35	1°10'24	
	-3125 Sep 02 j 05:10	0°♌		
morning rise	-3125 Sep 04 j 21:03	1°♌47'45		
	-3125 Oct 15 j 22:14	0°♍		
	-3125 Nov 27 j 03:21	0°♎		
	-3124 Jan 07 j 04:32	0°♏		
desc. node	-3124 Jan 29 j 02:22	16°♏13'31		
	-3124 Feb 16 j 15:50	0°♐		
	-3124 Mar 28 j 13:32	0°♑		
	-3124 May 11 j 01:51	0°♒		
	-3124 Jul 05 j 06:43	0°♓		
retrograde	-3124 Aug 08 j 17:45	7°♓24'52		
min. Earth dist.	-3124 Sep 07 j 22:39	1°♓09'37	0.51112 AU	
	-3124 Sep 11 j 02:11	30°℞♒		
opposition	-3124 Sep 15 j 14:20	28°♒18'54	-3°40'45	
greatest brilliancy	-3124 Sep 14 j 16:16	28°♒39'29	-2.1m	
direct	-3124 Oct 20 j 00:54	20°♒50'56		
	-3124 Nov 30 j 21:34	0°♓		
asc. node	-3124 Dec 06 j 19:58	2°♓20'46		
	-3123 Jan 31 j 16:12	0°♈		
	-3123 Mar 24 j 19:48	0°♉		
	-3123 May 13 j 05:10	0°♊		
	-3123 Jun 29 j 12:45	0°♋		
evening set	-3123 Jul 12 j 12:59	8°♋29'33		
max. Earth dist.	-3123 Aug 01 j 15:14	21°♋50'42	2.57382 AU	
	-3123 Aug 13 j 16:39	0°♌		
conjunction	-3123 Aug 29 j 11:16	10°♌50'14	0°59'58	
minimum elong	-3123 Aug 29 j 12:38	10°♌52'37	1°00'02	
	-3123 Sep 25 j 16:48	0°♍		
morning rise	-3123 Oct 18 j 06:21	16°♍18'46		
	-3123 Nov 05 j 19:38	0°♎		
	-3123 Dec 15 j 12:49	0°♏		
desc. node	-3123 Dec 16 j 02:27	0°♏26'03		
	-3122 Jan 23 j 12:27	0°♐		
	-3122 Mar 03 j 14:20	0°♑		
	-3122 Apr 12 j 19:48	0°♒		
	-3122 May 25 j 18:40	0°♓		
	-3122 Jul 14 j 06:45	0°♈		
retrograde	-3122 Sep 18 j 15:00	21°♈22'05		
min. Earth dist.	-3122 Oct 23 j 23:47	13°♈11'33	0.61822 AU	
asc. node	-3122 Oct 24 j 19:36	12°♈51'51		
opposition	-3122 Oct 28 j 09:59	11°♈25'26	0°08'49	
greatest brilliancy	-3122 Oct 28 j 09:24	11°♈26'01	-1.6m	
direct	-3122 Dec 05 j 09:53	2°♈30'15		
	-3121 Feb 27 j 05:28	0°♉		
	-3121 Apr 22 j 11:36	0°♊		
	-3121 Jun 10 j 09:45	0°♋		
	-3121 Jul 25 j 23:26	0°♌		
evening set	-3121 Aug 24 j 23:10	20°♌49'44		
	-3121 Sep 06 j 19:01	0°♍		
max. Earth dist.	-3121 Sep 09 j 09:37	1°♍52'59	2.45736 AU	
conjunction	-3121 Oct 17 j 16:54	0°♎13'29	0°11'17	
minimum elong	-3121 Oct 17 j 17:38	0°♎14'51	0°11'18	
behind sun begin	-3121 Oct 16 j 23:59	29°♍41'34		
behind sun end	-3121 Oct 18 j 11:16	0°♎48'10		
	-3121 Oct 17 j 09:46	0°♎		
desc. node	-3121 Nov 03 j 00:31	12°♎38'35		
	-3121 Nov 25 j 11:53	0°♏		
morning rise	-3121 Dec 17 j 06:01	16°♏59'08		
	-3120 Jan 02 j 20:32	0°♐		
	-3120 Feb 10 j 08:19	0°♑		
	-3120 Mar 20 j 20:33	0°♒		
	-3120 May 01 j 07:38	0°♓		
	-3120 Jun 14 j 21:09	0°♈		
	-3120 Aug 04 j 05:19	0°♉		
asc. node	-3120 Sep 10 j 18:58	17°♉43'35		
retrograde	-3120 Oct 22 j 21:22	26°♉56'58		
opposition	-3120 Dec 01 j 21:49	17°♉10'46	2°52'12	
min. Earth dist.	-3120 Dec 01 j 05:11	17°♉27'28	0.66974 AU	
greatest brilliancy	-3120 Dec 01 j 18:44	17°♉13'52	-1.3m	
direct	-3119 Jan 11 j 04:18	7°♉28'17		
	-3119 Mar 25 j 23:15	0°♊		
	-3119 May 19 j 04:17	0°♋		
	-3119 Jul 05 j 06:32	0°♌		
	-3119 Aug 17 j 11:00	0°♍		
desc. node	-3119 Sep 19 j 21:53	24°♍39'11		
	-3119 Sep 26 j 23:37	0°♎		
evening set	-3119 Oct 18 j 07:02	16°♎20'42		
	-3119 Nov 04 j 19:47	0°♏		
	-3119 Dec 12 j 22:33	0°♐		
conjunction	-3119 Dec 21 j 06:15	6°♐33'06	-0°56'01	
minimum elong	-3119 Dec 21 j 03:15	6°♐27'11	0°56'05	
	-3118 Jan 20 j 06:17	0°♑		
max. Earth dist.	-3118 Jan 25 j 03:00	3°♑45'43	2.38323 AU	
morning rise	-3118 Feb 27 j 14:33	29°♑13'14		
	-3118 Feb 28 j 15:35	0°♒		
	-3118 Apr 10 j 20:16	0°♓		
	-3118 May 24 j 10:14	0°♈		
	-3118 Jul 10 j 01:18	0°♉		
asc. node	-3118 Jul 29 j 19:16	11°♉57'54		
	-3118 Aug 30 j 15:03	0°♊		
	-3118 Nov 17 j 12:12	0°♋		
retrograde	-3118 Nov 27 j 03:09	0°♋33'11		
	-3118 Dec 06 j 10:46	30°℞♊		
opposition	-3117 Jan 05 j 06:23	21°♊23'44	4°32'41	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

greatest brilliancy	-3117 Jan 05 j 16:23	21°♊13'54	-1.4m
min. Earth dist.	-3117 Jan 08 j 09:48	20°♊09'29	0.65782 AU
direct	-3117 Feb 15 j 12:28	11°♊22'27	
	-3117 Apr 20 j 16:05	0°♋	
	-3117 Jun 12 j 19:44	0°♌	
	-3117 Jul 27 j 16:11	0°♍	
desc. node	-3117 Aug 07 j 20:18	7°♍57'19	
	-3117 Sep 06 j 17:36	0°♎	
	-3117 Oct 15 j 17:48	0°♏	
	-3117 Nov 22 j 22:46	0°♐	
evening set	-3117 Dec 26 j 02:40	25°♐54'29	
	-3117 Dec 31 j 09:44	0°♑	
	-3116 Feb 08 j 23:52	0°♒	
conjunction	-3116 Feb 27 j 11:00	13°♒33'57	-0°56'27
minimum elong	-3116 Feb 27 j 13:18	13°♒38'09	0°56'31
	-3116 Mar 21 j 09:00	0°♓	
max. Earth dist.	-3116 Apr 08 j 04:51	12°♓28'35	2.51012 AU
morning rise	-3116 Apr 26 j 04:06	24°♓47'11	
	-3116 May 03 j 21:23	0°♈	
asc. node	-3116 Jun 15 j 18:21	28°♈09'51	
	-3116 Jun 18 j 15:03	0°♉	
	-3116 Aug 05 j 16:37	0°♊	
	-3116 Sep 26 j 06:44	0°♋	
	-3116 Nov 29 j 14:03	0°♌	
retrograde	-3115 Jan 05 j 13:29	6°♌58'47	
	-3115 Feb 08 j 12:27	30°℞♋	
opposition	-3115 Feb 11 j 14:20	28°♋51'33	4°53'46
greatest brilliancy	-3115 Feb 12 j 18:01	28°♋25'33	-1.7m
min. Earth dist.	-3115 Feb 18 j 10:09	26°♋17'57	0.58201 AU
direct	-3115 Mar 24 j 02:12	19°♋11'37	
	-3115 May 07 j 20:28	0°♌	
desc. node	-3115 Jun 24 j 19:38	25°♌50'44	
	-3115 Jul 01 j 08:50	0°♍	
	-3115 Aug 13 j 22:36	0°♎	
	-3115 Sep 23 j 00:49	0°♏	
	-3115 Oct 31 j 22:16	0°♐	
	-3115 Dec 09 j 23:40	0°♑	
	-3114 Jan 19 j 04:06	0°♒	
evening set	-3114 Feb 24 j 01:46	25°♒46'05	
	-3114 Mar 02 j 02:38	0°♓	
	-3114 Apr 15 j 00:28	0°♈	
conjunction	-3114 Apr 19 j 12:59	3°♈01'04	-0°08'14
minimum elong	-3114 Apr 19 j 13:23	3°♈01'43	0°08'14
behind sun begin	-3114 Apr 18 j 18:37	2°♈30'30	
behind sun end	-3114 Apr 20 j 08:08	3°♈32'55	
asc. node	-3114 May 03 j 16:07	12°♈22'16	
max. Earth dist.	-3114 May 10 j 09:22	16°♈46'56	2.61390 AU
	-3114 May 30 j 17:21	0°♉	
morning rise	-3114 Jun 08 j 19:14	5°♉50'48	
	-3114 Jul 16 j 18:56	0°♊	
	-3114 Sep 02 j 22:42	0°♋	
	-3114 Oct 22 j 16:48	0°♌	
	-3114 Dec 16 j 02:35	0°♍	
retrograde	-3113 Feb 28 j 14:20	23°♍23'21	
opposition	-3113 Apr 02 j 23:15	17°♍00'06	2°21'58
greatest brilliancy	-3113 Apr 03 j 19:17	16°♍43'43	-2.4m
min. Earth dist.	-3113 Apr 11 j 06:27	14°♍18'24	0.45677 AU
direct	-3113 May 09 j 10:11	9°♍14'20	
desc. node	-3113 May 12 j 18:33	9°♍18'59	
	-3113 Jul 10 j 16:13	0°♎	
	-3113 Aug 26 j 14:00	0°♏	
	-3113 Oct 07 j 10:16	0°♐	
	-3113 Nov 17 j 10:22	0°♑	
	-3113 Dec 29 j 03:15	0°♒	
	-3112 Feb 10 j 06:58	0°♓	
asc. node	-3112 Mar 20 j 14:18	26°♓22'21	
	-3112 Mar 26 j 02:17	0°♈	
evening set	-3112 Apr 11 j 02:54	10°♈29'37	
	-3112 May 11 j 06:41	0°♉	
conjunction	-3112 May 30 j 01:09	12°♉01'47	0°37'48
minimum elong	-3112 May 29 j 23:56	11°♉59'51	0°37'52
max. Earth dist.	-3112 Jun 03 j 14:42	14°♉56'46	2.66612 AU
	-3112 Jun 27 j 05:08	0°♊	
morning rise	-3112 Jul 15 j 03:33	11°♊25'43	
	-3112 Aug 13 j 05:43	0°♋	
	-3112 Sep 28 j 23:08	0°♌	
	-3112 Nov 14 j 11:03	0°♍	
	-3112 Dec 31 j 08:47	0°♎	
	-3111 Feb 18 j 13:42	0°♏	
desc. node	-3111 Mar 29 j 19:44	20°♏28'31	
	-3111 Apr 25 j 22:53	0°♐	
retrograde	-3111 May 15 j 16:52	2°♐25'37	
	-3111 Jun 04 j 16:17	30°℞♏	
min. Earth dist.	-3111 Jun 14 j 07:47	27°♏34'08	0.37620 AU
opposition	-3111 Jun 15 j 06:41	27°♏18'55	-5°12'33
greatest brilliancy	-3111 Jun 15 j 00:26	27°♏23'04	-2.9m
direct	-3111 Jul 15 j 03:43	22°♏19'45	
	-3111 Aug 20 j 05:47	0°♐	
	-3111 Oct 16 j 12:26	0°♑	
	-3111 Dec 03 j 01:58	0°♒	
	-3110 Jan 18 j 11:52	0°♓	
asc. node	-3110 Feb 05 j 11:51	11°♓35'14	
	-3110 Mar 06 j 06:49	0°♈	
	-3110 Apr 22 j 14:34	0°♉	
evening set	-3110 May 21 j 02:41	18°♉01'40	
	-3110 Jun 08 j 23:28	0°♊	
max. Earth dist.	-3110 Jun 27 j 03:21	11°♊35'14	2.66418 AU
conjunction	-3110 Jul 06 j 16:26	17°♊42'35	1°05'53
minimum elong	-3110 Jul 06 j 15:34	17°♊41'11	1°06'00
	-3110 Jul 25 j 17:09	0°♋	
morning rise	-3110 Aug 20 j 18:46	17°♋03'04	
	-3110 Sep 09 j 07:00	0°♌	
	-3110 Oct 23 j 12:09	0°♍	
	-3110 Dec 05 j 11:10	0°♎	
	-3109 Jan 16 j 11:29	0°♏	
desc. node	-3109 Feb 14 j 20:43	21°♏09'26	
	-3109 Feb 27 j 04:31	0°♐	
	-3109 Apr 11 j 01:35	0°♑	
	-3109 May 30 j 04:37	0°♒	
retrograde	-3109 Jul 21 j 09:41	15°♒47'02	
min. Earth dist.	-3109 Aug 18 j 11:53	10°♒25'21	0.46038 AU
greatest brilliancy	-3109 Aug 25 j 06:07	8°♒05'06	-2.4m
opposition	-3109 Aug 26 j 15:18	7°♒36'16	-5°17'35
direct	-3109 Sep 28 j 06:22	0°♒58'08	
	-3109 Dec 20 j 18:59	0°♓	
asc. node	-3109 Dec 24 j 10:20	1°♓56'41	
	-3108 Feb 11 j 20:01	0°♈	
	-3108 Apr 01 j 20:10	0°♉	
	-3108 May 20 j 09:43	0°♊	
evening set	-3108 Jun 27 j 06:35	24°♊03'56	
	-3108 Jul 06 j 10:32	0°♋	
max. Earth dist.	-3108 Jul 21 j 14:18	9°♋55'07	2.60898 AU
conjunction	-3108 Aug 13 j 04:52	24°♋58'52	1°08'04
minimum elong	-3108 Aug 13 j 05:36	25°♋00'06	1°08'09
	-3108 Aug 20 j 15:02	0°♌	
morning rise	-3108 Sep 29 j 17:14	27°♌46'34	
	-3108 Oct 02 j 20:36	0°♍	
	-3108 Nov 13 j 08:03	0°♎	
	-3108 Dec 23 j 11:23	0°♏	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

desc. node	-3107 Jan 01 j 19:28	7°♏04'41	
	-3107 Jan 31 j 21:22	0°♐	
	-3107 Mar 12 j 10:20	0°♑	
	-3107 Apr 22 j 07:51	0°♒	
	-3107 Jun 05 j 21:51	0°♓	
	-3107 Aug 03 j 13:21	0°♈	
retrograde	-3107 Sep 03 j 19:06	5°♈54'54	
	-3107 Oct 03 j 01:43	30°℞♓	
min. Earth dist.	-3107 Oct 07 j 06:28	28°♓24'26	0.58163 AU
opposition	-3107 Oct 13 j 02:00	26°♓07'04	-1°12'51
greatest brilliancy	-3107 Oct 12 j 20:17	26°♓12'42	-1.8m
asc. node	-3107 Nov 10 j 10:51	18°♓08'10	
direct	-3107 Nov 18 j 19:57	17°♓40'10	
	-3106 Jan 08 j 13:16	0°♈	
	-3106 Mar 09 j 22:57	0°♉	
	-3106 Apr 30 j 14:18	0°♊	
	-3106 Jun 17 j 17:18	0°♋	
	-3106 Aug 02 j 01:43	0°♌	
evening set	-3106 Aug 07 j 03:30	3°♌28'03	
max. Earth dist.	-3106 Aug 22 j 16:55	14°♌14'32	2.50626 AU
	-3106 Sep 13 j 22:09	0°♍	
conjunction	-3106 Sep 26 j 22:58	9°♍26'33	0°34'57
minimum elong	-3106 Sep 27 j 00:36	9°♍29'32	0°34'59
	-3106 Oct 24 j 16:42	0°♎	
desc. node	-3106 Nov 19 j 17:35	19°♎47'11	
morning rise	-3106 Nov 21 j 10:25	21°♎05'34	
	-3106 Dec 02 j 23:41	0°♏	
	-3105 Jan 10 j 12:57	0°♐	
	-3105 Feb 18 j 04:42	0°♑	
	-3105 Mar 29 j 21:03	0°♒	
	-3105 May 10 j 15:53	0°♓	
	-3105 Jun 25 j 04:50	0°♈	
	-3105 Aug 19 j 01:08	0°♉	
asc. node	-3105 Sep 28 j 11:21	12°♉53'37	
retrograde	-3105 Oct 10 j 11:03	13°♉47'18	
min. Earth dist.	-3105 Nov 17 j 08:23	4°♉45'36	0.65677 AU
opposition	-3105 Nov 19 j 12:30	3°♉53'08	1°56'28
greatest brilliancy	-3105 Nov 19 j 07:53	3°♉57'48	-1.4m
	-3105 Nov 29 j 13:38	30°℞♈	
direct	-3105 Dec 29 j 00:52	24°♈25'48	
	-3104 Jan 30 j 17:07	0°♉	
	-3104 Apr 06 j 06:14	0°♊	
	-3104 May 27 j 13:22	0°♋	
	-3104 Jul 12 j 21:04	0°♌	
	-3104 Aug 24 j 20:37	0°♍	
evening set	-3104 Sep 24 j 19:04	22°♍46'02	
	-3104 Oct 04 j 09:15	0°♎	
desc. node	-3104 Oct 06 j 15:49	1°♎43'33	
max. Earth dist.	-3104 Oct 27 j 03:10	17°♎25'57	2.38618 AU
	-3104 Nov 12 j 06:56	0°♏	
conjunction	-3104 Nov 23 j 18:20	8°♏59'28	-0°32'44
minimum elong	-3104 Nov 23 j 15:51	8°♏54'35	0°32'46
	-3104 Dec 20 j 11:00	0°♐	
	-3103 Jan 27 j 19:11	0°♑	
morning rise	-3103 Jan 30 j 09:50	2°♑01'13	
	-3103 Mar 08 j 04:15	0°♒	
	-3103 Apr 18 j 09:13	0°♓	
	-3103 Jun 01 j 04:00	0°♈	
	-3103 Jul 18 j 14:49	0°♉	
asc. node	-3103 Aug 15 j 10:29	16°♉00'08	
	-3103 Sep 11 j 19:40	0°♊	
retrograde	-3103 Nov 13 j 03:38	17°♊36'06	
opposition	-3103 Dec 22 j 18:00	8°♊09'44	4°01'18
greatest brilliancy	-3103 Dec 22 j 21:42	8°♊06'03	-1.3m
min. Earth dist.	-3103 Dec 24 j 09:18	7°♊30'37	0.67015 AU
	-3102 Jan 16 j 03:31	30°℞♉	
direct	-3102 Feb 01 j 18:36	28°♉12'19	
	-3102 Feb 19 j 10:57	0°♊	
	-3102 May 03 j 04:54	0°♋	
	-3102 Jun 21 j 20:11	0°♌	
	-3102 Aug 04 j 19:24	0°♍	
desc. node	-3102 Aug 24 j 13:26	14°♍18'25	
	-3102 Sep 14 j 13:50	0°♎	
	-3102 Oct 23 j 11:22	0°♏	
evening set	-3102 Nov 28 j 17:44	28°♏31'55	
	-3102 Nov 30 j 14:28	0°♐	
	-3101 Jan 07 j 23:06	0°♑	
conjunction	-3101 Feb 02 j 12:58	19°♑34'38	-1°06'20
minimum elong	-3101 Feb 02 j 13:53	19°♑36'23	1°06'25
	-3101 Feb 16 j 10:08	0°♒	
max. Earth dist.	-3101 Mar 22 j 09:00	24°♒48'27	2.45862 AU
	-3101 Mar 29 j 15:55	0°♓	
morning rise	-3101 Apr 06 j 17:16	5°♓41'05	
	-3101 May 12 j 02:50	0°♈	
	-3101 Jun 27 j 00:45	0°♉	
asc. node	-3101 Jul 03 j 09:59	4°♉02'12	
	-3101 Aug 14 j 22:29	0°♊	
	-3101 Oct 08 j 18:06	0°♋	
retrograde	-3101 Dec 20 j 19:09	22°♋17'17	
opposition	-3100 Jan 27 j 19:40	13°♋41'49	4°58'03
greatest brilliancy	-3100 Jan 28 j 16:56	13°♋21'22	-1.5m
min. Earth dist.	-3100 Feb 02 j 06:33	11°♋35'57	0.61903 AU
direct	-3100 Mar 08 j 20:49	3°♋46'30	
	-3100 May 24 j 18:46	0°♌	
desc. node	-3100 Jul 11 j 12:17	29°♌40'55	
	-3100 Jul 11 j 23:33	0°♍	
	-3100 Aug 23 j 02:47	0°♎	
	-3100 Oct 01 j 14:36	0°♏	
	-3100 Nov 09 j 02:58	0°♐	
	-3100 Dec 17 j 20:42	0°♑	
	-3099 Jan 26 j 17:49	0°♒	
evening set	-3099 Feb 02 j 07:02	4°♒48'49	
	-3099 Mar 09 j 09:25	0°♓	
conjunction	-3099 Mar 31 j 23:57	15°♓41'52	-0°28'19
minimum elong	-3099 Apr 01 j 01:23	15°♓44'20	0°28'20
	-3099 Apr 22 j 02:00	0°♈	
max. Earth dist.	-3099 Apr 29 j 04:30	4°♈45'09	2.57898 AU
asc. node	-3099 May 20 j 08:34	18°♈43'37	
morning rise	-3099 May 23 j 23:10	21°♈05'02	
	-3099 Jun 06 j 17:07	0°♉	
	-3099 Jul 24 j 00:20	0°♊	
	-3099 Sep 11 j 01:18	0°♋	
	-3099 Nov 02 j 10:19	0°♌	
	-3098 Jan 10 j 15:59	0°♍	
retrograde	-3098 Feb 05 j 02:23	3°♍32'08	
	-3098 Feb 28 j 21:04	30°℞♌	
opposition	-3098 Mar 12 j 01:57	26°♌21'59	3°54'04
greatest brilliancy	-3098 Mar 13 j 08:00	25°♌55'32	-2.1m
min. Earth dist.	-3098 Mar 20 j 09:51	23°♌26'41	0.50894 AU
direct	-3098 Apr 19 j 15:56	17°♌34'52	
desc. node	-3098 May 29 j 12:44	26°♌50'57	
	-3098 Jun 05 j 15:32	0°♍	
	-3098 Jul 27 j 00:53	0°♎	
	-3098 Sep 07 j 10:11	0°♏	
	-3098 Oct 17 j 12:20	0°♐	
	-3098 Nov 26 j 10:29	0°♑	
	-3097 Jan 06 j 08:15	0°♒	
	-3097 Feb 17 j 21:12	0°♓	
evening set	-3097 Mar 26 j 01:22	24°♓32'55	
	-3097 Apr 03 j 05:54	0°♈	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

asc. node	-3097 Apr 07 j 05:25	2°♈38'11	
conjunction	-3097 May 15 j 16:56	27°♈45'56	0°21'38
minimum elong	-3097 May 15 j 16:05	27°♈44'34	0°21'40
	-3097 May 19 j 04:03	0°♉	
max. Earth dist.	-3097 May 26 j 07:26	4°♉35'49	2.65215 AU
morning rise	-3097 Jul 02 j 00:07	28°♉02'46	
	-3097 Jul 05 j 01:51	0°♊	
	-3097 Aug 21 j 09:46	0°♋	
	-3097 Oct 07 j 22:56	0°♌	
	-3097 Nov 25 j 05:42	0°♍	
	-3096 Jan 15 j 06:22	0°♎	
	-3096 Mar 24 j 10:31	0°♏	
retrograde	-3096 Apr 13 j 14:50	2°♏23'15	
desc. node	-3096 Apr 15 j 12:24	2°♏21'52	
	-3096 May 03 j 11:06	30°℞♎	
opposition	-3096 May 14 j 08:23	27°♎11'45	-2°02'39
greatest brilliancy	-3096 May 14 j 15:19	27°♎06'56	-2.9m
min. Earth dist.	-3096 May 18 j 18:51	25°♎57'47	0.39036 AU
direct	-3096 Jun 15 j 10:19	21°♎27'50	
	-3096 Jul 22 j 20:37	0°♏	
	-3096 Sep 15 j 07:10	0°♐	
	-3096 Oct 30 j 10:47	0°♑	
	-3096 Dec 13 j 11:23	0°♒	
	-3095 Jan 27 j 02:51	0°♓	
asc. node	-3095 Feb 22 j 03:20	17°♓08'33	
	-3095 Mar 13 j 21:42	0°♈	
	-3095 Apr 29 j 15:57	0°♉	
evening set	-3095 May 06 j 01:14	4°♉04'07	
	-3095 Jun 15 j 19:07	0°♊	
max. Earth dist.	-3095 Jun 17 j 22:41	1°♊22'11	2.67137 AU
conjunction	-3095 Jun 22 j 05:40	4°♊06'22	0°57'40
minimum elong	-3095 Jun 22 j 04:28	4°♊04'27	0°57'45
	-3095 Aug 01 j 13:59	0°♋	
morning rise	-3095 Aug 06 j 08:54	3°♋05'57	
	-3095 Sep 16 j 11:52	0°♌	
	-3095 Oct 31 j 08:58	0°♍	
	-3095 Dec 14 j 08:47	0°♎	
	-3094 Jan 26 j 21:11	0°♏	
desc. node	-3094 Mar 03 j 12:31	24°♏21'22	
	-3094 Mar 11 j 22:53	0°♐	
	-3094 Apr 29 j 06:51	0°♑	
retrograde	-3094 Jun 28 j 19:00	20°♑05'49	
min. Earth dist.	-3094 Jul 25 j 13:54	15°♑27'10	0.41382 AU
greatest brilliancy	-3094 Jul 31 j 05:18	13°♑41'56	-2.6m
opposition	-3094 Aug 01 j 17:08	13°♑13'54	-6°28'46
direct	-3094 Sep 01 j 13:31	7°♑30'06	
	-3094 Nov 10 j 04:58	0°♒	
	-3093 Jan 02 j 08:14	0°♓	
asc. node	-3093 Jan 10 j 02:31	4°♓38'19	
	-3093 Feb 20 j 20:00	0°♈	
	-3093 Apr 10 j 11:14	0°♉	
	-3093 May 28 j 10:34	0°♊	
evening set	-3093 Jun 13 j 09:21	10°♊06'45	
max. Earth dist.	-3093 Jul 12 j 08:57	28°♊44'50	2.63671 AU
	-3093 Jul 14 j 07:13	0°♋	
conjunction	-3093 Jul 29 j 20:07	10°♋09'59	1°10'51
minimum elong	-3093 Jul 29 j 20:09	10°♋10'02	1°10'57
	-3093 Aug 28 j 14:06	0°♌	
morning rise	-3093 Sep 13 j 21:54	11°♌06'29	
	-3093 Oct 11 j 03:10	0°♍	
	-3093 Nov 22 j 01:37	0°♎	
	-3092 Jan 01 j 18:06	0°♏	
desc. node	-3092 Jan 19 j 12:46	13°♏18'03	
	-3092 Feb 10 j 18:21	0°♐	
	-3092 Mar 22 j 00:34	0°♑	
	-3092 May 03 j 04:02	0°♒	
	-3092 Jun 20 j 16:55	0°♓	
retrograde	-3092 Aug 18 j 17:36	18°♓42'59	
min. Earth dist.	-3092 Sep 19 j 03:20	11°♓58'52	0.53786 AU
opposition	-3092 Sep 26 j 04:58	9°♓16'48	-2°44'38
greatest brilliancy	-3092 Sep 25 j 13:31	9°♓31'36	-2.0m
direct	-3092 Oct 31 j 12:41	1°♓25'19	
asc. node	-3092 Nov 27 j 01:58	5°♓25'28	
	-3091 Jan 24 j 01:47	0°♈	
	-3091 Mar 19 j 04:34	0°♉	
	-3091 May 08 j 06:01	0°♊	
	-3091 Jun 24 j 20:03	0°♋	
evening set	-3091 Jul 21 j 14:38	17°♋34'05	
max. Earth dist.	-3091 Aug 08 j 20:14	29°♋50'43	2.55137 AU
	-3091 Aug 09 j 01:41	0°♌	
conjunction	-3091 Sep 08 j 08:43	20°♌59'37	0°52'35
minimum elong	-3091 Sep 08 j 10:21	21°♌02'29	0°52'38
	-3091 Sep 21 j 00:53	0°♍	
morning rise	-3091 Oct 29 j 20:18	28°♍21'44	
	-3091 Nov 01 j 01:01	0°♎	
desc. node	-3091 Dec 06 j 10:58	26°♎48'43	
	-3091 Dec 10 j 14:43	0°♏	
	-3090 Jan 18 j 10:19	0°♐	
	-3090 Feb 26 j 07:46	0°♑	
	-3090 Apr 07 j 06:48	0°♒	
	-3090 May 19 j 15:09	0°♓	
	-3090 Jul 06 j 00:27	0°♈	
	-3090 Sep 23 j 16:39	0°♉	
retrograde	-3090 Sep 26 j 18:12	0°♉03'44	
	-3090 Sep 29 j 18:50	30°℞♈	
asc. node	-3090 Oct 15 j 01:52	27°♈43'12	
min. Earth dist.	-3090 Nov 02 j 01:15	21°♈33'43	0.63443 AU
opposition	-3090 Nov 05 j 16:29	20°♈06'07	0°51'18
greatest brilliancy	-3090 Nov 05 j 13:18	20°♈09'18	-1.5m
direct	-3090 Dec 14 j 06:19	10°♈58'08	
	-3089 Feb 18 j 20:47	0°♉	
	-3089 Apr 16 j 18:07	0°♊	
	-3089 Jun 05 j 09:37	0°♋	
	-3089 Jul 21 j 05:23	0°♌	
	-3089 Sep 02 j 02:34	0°♍	
evening set	-3089 Sep 04 j 21:42	2°♍01'13	
max. Earth dist.	-3089 Sep 22 j 13:55	14°♍57'05	2.42965 AU
	-3089 Oct 12 j 16:39	0°♎	
desc. node	-3089 Oct 24 j 08:35	8°♎52'05	
conjunction	-3089 Oct 30 j 16:44	13°♎43'41	-0°04'29
minimum elong	-3089 Oct 30 j 16:25	13°♎43'05	0°04'29
behind sun begin	-3089 Oct 29 j 16:01	12°♎56'14	
behind sun end	-3089 Oct 31 j 16:49	14°♎29'57	
	-3089 Nov 20 j 17:15	0°♏	
	-3089 Dec 29 j 00:02	0°♐	
morning rise	-3088 Jan 02 j 05:01	3°♐18'13	
	-3088 Feb 05 j 10:04	0°♑	
	-3088 Mar 15 j 20:25	0°♒	
	-3088 Apr 26 j 03:45	0°♓	
	-3088 Jun 09 j 07:30	0°♈	
	-3088 Jul 28 j 04:19	0°♉	
asc. node	-3088 Sep 01 j 01:55	18°♉13'57	
	-3088 Oct 01 j 04:22	0°♊	
retrograde	-3088 Oct 30 j 14:28	4°♊47'17	
	-3088 Nov 26 j 15:09	30°℞♉	
opposition	-3088 Dec 09 j 12:07	25°♉07'11	3°20'15
greatest brilliancy	-3088 Dec 09 j 10:53	25°♉08'25	-1.3m
min. Earth dist.	-3088 Dec 09 j 15:09	25°♉04'09	0.67270 AU
direct	-3087 Jan 19 j 02:13	15°♉18'16	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

	-3087 Mar 16 j 21:07	0°♊	
	-3087 May 13 j 07:00	0°♋	
	-3087 Jun 30 j 03:25	0°♌	
	-3087 Aug 12 j 14:13	0°♍	
desc. node	-3087 Sep 10 j 07:44	21°♍03'11	
	-3087 Sep 22 j 04:52	0°♎	
	-3087 Oct 31 j 01:23	0°♏	
evening set	-3087 Nov 01 j 16:44	1°♏17'04	
	-3087 Dec 08 j 03:43	0°♐	
conjunction	-3086 Jan 06 j 04:56	22°♐48'27	-1°03'55
minimum elong	-3086 Jan 06 j 03:03	22°♐44'46	1°04'01
	-3086 Jan 15 j 10:56	0°♑	
	-3086 Feb 23 j 19:56	0°♒	
max. Earth dist.	-3086 Feb 23 j 13:07	29°♑47'16	2.40671 AU
morning rise	-3086 Mar 14 j 08:47	13°♒41'54	
	-3086 Apr 05 j 23:45	0°♓	
	-3086 May 19 j 11:08	0°♈	
	-3086 Jul 04 j 17:16	0°♉	
asc. node	-3086 Jul 20 j 00:45	9°♉27'51	
	-3086 Aug 23 j 23:41	0°♊	
	-3086 Oct 25 j 01:57	0°♋	
retrograde	-3086 Dec 05 j 11:44	8°♋35'33	
	-3085 Jan 12 j 07:04	30°℞♊	
opposition	-3085 Jan 13 j 06:33	29°♊37'05	4°45'35
greatest brilliancy	-3085 Jan 13 j 20:30	29°♊23'26	-1.4m
min. Earth dist.	-3085 Jan 17 j 05:43	28°♊03'58	0.64682 AU
direct	-3085 Feb 23 j 12:30	19°♊36'03	
	-3085 Apr 09 j 20:01	0°♋	
	-3085 Jun 06 j 10:45	0°♌	
	-3085 Jul 22 j 05:13	0°♍	
desc. node	-3085 Jul 29 j 06:23	4°♍56'47	
	-3085 Sep 01 j 14:35	0°♎	
	-3085 Oct 10 j 18:31	0°♏	
	-3085 Nov 18 j 01:28	0°♐	
	-3085 Dec 26 j 13:53	0°♑	
evening set	-3084 Jan 09 j 21:14	10°♑57'18	
	-3084 Feb 04 j 05:21	0°♒	
conjunction	-3084 Mar 11 j 07:42	26°♒13'43	-0°47'17
minimum elong	-3084 Mar 11 j 09:59	26°♒17'45	0°47'19
	-3084 Mar 16 j 15:21	0°♓	
max. Earth dist.	-3084 Apr 16 j 15:02	21°♓30'40	2.53627 AU
	-3084 Apr 29 j 03:53	0°♈	
morning rise	-3084 May 06 j 19:10	5°♈07'04	
asc. node	-3084 Jun 05 j 23:25	24°♈57'15	
	-3084 Jun 13 j 19:02	0°♉	
	-3084 Jul 31 j 11:45	0°♊	
	-3084 Sep 19 j 21:07	0°♋	
	-3084 Nov 16 j 08:57	0°♌	
retrograde	-3083 Jan 15 j 23:03	16°♌23'20	
opposition	-3083 Feb 21 j 07:45	8°♌34'24	4°40'41
greatest brilliancy	-3083 Feb 22 j 13:48	8°♌06'40	-1.8m
min. Earth dist.	-3083 Feb 28 j 19:02	5°♌49'19	0.55783 AU
	-3083 Mar 22 j 01:57	30°℞♋	
direct	-3083 Apr 02 j 06:43	29°♋08'28	
	-3083 Apr 13 j 19:14	0°♌	
desc. node	-3083 Jun 15 j 04:47	25°♌04'43	
	-3083 Jun 23 j 12:37	0°♍	
	-3083 Aug 07 j 16:03	0°♎	
	-3083 Sep 17 j 08:30	0°♏	
	-3083 Oct 26 j 13:43	0°♐	
	-3083 Dec 04 j 20:42	0°♑	
	-3082 Jan 14 j 05:48	0°♒	
	-3082 Feb 25 j 07:54	0°♓	
evening set	-3082 Mar 07 j 10:37	7°♓00'30	
	-3082 Apr 10 j 08:19	0°♈	

asc. node	-3082 Apr 23 j 22:08	9°♈00'46	
conjunction	-3082 Apr 29 j 09:39	12°♈37'22	0°03'13
minimum elong	-3082 Apr 29 j 09:29	12°♈37'05	0°03'14
behind sun begin	-3082 Apr 28 j 12:44	12°♈02'59	
behind sun end	-3082 Apr 30 j 06:15	13°♈11'10	
max. Earth dist.	-3082 May 16 j 09:51	23°♈44'15	2.62965 AU
	-3082 May 26 j 01:49	0°♉	
morning rise	-3082 Jun 17 j 10:53	14°♉22'21	
	-3082 Jul 12 j 00:58	0°♊	
	-3082 Aug 28 j 19:52	0°♋	
	-3082 Oct 16 j 14:13	0°♌	
	-3082 Dec 06 j 22:21	0°♍	
	-3081 Feb 08 j 14:35	0°♎	
retrograde	-3081 Mar 15 j 14:34	6°♎30'28	
opposition	-3081 Apr 16 j 23:38	0°♎35'30	1°02'55
greatest brilliancy	-3081 Apr 17 j 08:31	0°♎28'39	-2.6m
	-3081 Apr 18 j 21:35	30°℞♍	
min. Earth dist.	-3081 Apr 24 j 15:25	28°♍14'34	0.42938 AU
desc. node	-3081 May 03 j 04:49	25°♍54'22	
direct	-3081 May 21 j 23:19	23°♍32'29	
	-3081 Jun 23 j 01:08	0°♎	
	-3081 Aug 17 j 15:39	0°♏	
	-3081 Sep 30 j 10:06	0°♐	
	-3081 Nov 11 j 08:33	0°♑	
	-3081 Dec 23 j 15:47	0°♒	
	-3080 Feb 05 j 05:10	0°♓	
asc. node	-3080 Mar 10 j 19:39	23°♓06'47	
	-3080 Mar 21 j 07:09	0°♈	
evening set	-3080 Apr 20 j 09:52	19°♈33'55	
	-3080 May 06 j 15:18	0°♉	
conjunction	-3080 Jun 07 j 14:29	20°♉25'46	0°46'00
minimum elong	-3080 Jun 07 j 13:12	20°♉23'42	0°46'03
max. Earth dist.	-3080 Jun 08 j 22:53	21°♉17'24	2.67023 AU
	-3080 Jun 22 j 14:44	0°♊	
morning rise	-3080 Jul 23 j 05:42	19°♊33'23	
	-3080 Aug 08 j 12:38	0°♋	
	-3080 Sep 23 j 21:56	0°♌	
	-3080 Nov 08 j 17:33	0°♍	
	-3080 Dec 24 j 07:39	0°♎	
	-3079 Feb 08 j 14:32	0°♏	
desc. node	-3079 Mar 20 j 05:34	24°♏03'24	
	-3079 Mar 31 j 00:17	0°♐	
retrograde	-3079 Jun 01 j 22:14	20°♐22'29	
min. Earth dist.	-3079 Jun 29 j 12:01	15°♐52'32	0.38221 AU
greatest brilliancy	-3079 Jul 02 j 10:08	15°♐04'25	-2.9m
opposition	-3079 Jul 03 j 06:05	14°♐50'40	-6°17'11
direct	-3079 Aug 02 j 01:40	9°♐48'12	
	-3079 Oct 04 j 18:24	0°♑	
	-3079 Nov 25 j 15:27	0°♒	
	-3078 Jan 12 j 13:53	0°♓	
asc. node	-3078 Jan 26 j 17:48	8°♓56'46	
	-3078 Mar 01 j 02:33	0°♈	
	-3078 Apr 17 j 19:29	0°♉	
evening set	-3078 May 29 j 14:38	26°♉20'52	
	-3078 Jun 04 j 08:51	0°♊	
max. Earth dist.	-3078 Jul 02 j 13:51	18°♊00'26	2.65655 AU
conjunction	-3078 Jul 15 j 00:44	26°♊02'17	1°08'56
minimum elong	-3078 Jul 15 j 00:09	26°♊01'20	1°09'02
	-3078 Jul 21 j 03:24	0°♋	
morning rise	-3078 Aug 29 j 07:50	25°♋47'56	
	-3078 Sep 04 j 14:28	0°♌	
	-3078 Oct 18 j 13:24	0°♍	
	-3078 Nov 30 j 02:26	0°♎	
	-3077 Jan 10 j 13:26	0°♏	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

desc. node	-3077 Feb 05 j 04:59	18°♏47'17		
	-3077 Feb 20 j 12:02	0°♐		
	-3077 Apr 03 j 01:46	0°♑		
	-3077 May 18 j 02:22	0°♒		
retrograde	-3077 Aug 01 j 18:11	28°♒53'14		
min. Earth dist.	-3077 Aug 30 j 23:15	23°♒01'38	0.48855 AU	
opposition	-3077 Sep 07 j 22:23	20°♒08'49	-4°23'21	
greatest brilliancy	-3077 Sep 06 j 19:15	20°♒33'28	-2.2m	
direct	-3077 Oct 11 j 14:27	13°♒01'57		
	-3077 Dec 10 j 13:48	0°♓		
asc. node	-3077 Dec 14 j 17:24	1°♓56'54		
	-3076 Feb 05 j 11:17	0°♈		
	-3076 Mar 27 j 14:08	0°♉		
	-3076 May 15 j 14:46	0°♊		
	-3076 Jul 01 j 20:10	0°♋		
evening set	-3076 Jul 05 j 22:16	2°♋39'24		
max. Earth dist.	-3076 Jul 27 j 21:16	17°♋06'42	2.59051 AU	
	-3076 Aug 16 j 01:15	0°♌		
conjunction	-3076 Aug 22 j 08:10	4°♌17'05	1°04'04	
minimum elong	-3076 Aug 22 j 09:17	4°♌18'59	1°04'10	
	-3076 Sep 28 j 04:50	0°♍		
morning rise	-3076 Oct 09 j 23:58	8°♍26'47		
	-3076 Nov 08 j 12:02	0°♎		
	-3076 Dec 18 j 10:01	0°♏		
desc. node	-3076 Dec 23 j 05:01	3°♏39'03		
	-3075 Jan 26 j 13:54	0°♐		
	-3075 Mar 06 j 19:38	0°♑		
	-3075 Apr 16 j 06:04	0°♒		
	-3075 May 29 j 16:07	0°♓		
	-3075 Jul 20 j 08:29	0°♈		
retrograde	-3075 Sep 12 j 10:24	15°♈21'59		
min. Earth dist.	-3075 Oct 16 j 23:23	7°♈28'28	0.60298 AU	
opposition	-3075 Oct 22 j 00:38	5°♈27'49	-0°24'14	
greatest brilliancy	-3075 Oct 21 j 23:01	5°♈29'25	-1.7m	
asc. node	-3075 Oct 31 j 17:03	1°♈47'58		
	-3075 Nov 06 j 08:17	30°℞♓		
direct	-3075 Nov 28 j 11:13	26°♓44'31		
	-3075 Dec 22 j 15:10	0°♈		
	-3074 Mar 03 j 05:23	0°♉		
	-3074 Apr 25 j 06:43	0°♊		
	-3074 Jun 12 j 21:25	0°♋		
	-3074 Jul 28 j 09:59	0°♌		
evening set	-3074 Aug 17 j 01:51	13°♌32'33		
max. Earth dist.	-3074 Sep 01 j 05:37	24°♌13'36	2.47968 AU	
	-3074 Sep 09 j 07:15	0°♍		
conjunction	-3074 Oct 08 j 09:06	21°♍16'55	0°22'09	
minimum elong	-3074 Oct 08 j 10:20	21°♍19'14	0°22'09	
	-3074 Oct 20 j 00:34	0°♎		
desc. node	-3074 Nov 10 j 03:23	16°♎03'04		
	-3074 Nov 28 j 05:25	0°♏		
morning rise	-3074 Dec 05 j 13:24	5°♏41'46		
	-3073 Jan 05 j 16:05	0°♐		
	-3073 Feb 13 j 04:56	0°♑		
	-3073 Mar 24 j 17:47	0°♒		
	-3073 May 05 j 06:04	0°♓		
	-3073 Jun 19 j 01:44	0°♈		
	-3073 Aug 09 j 15:48	0°♉		
asc. node	-3073 Sep 18 j 16:18	16°♉56'18		
retrograde	-3073 Oct 18 j 05:40	21°♉51'16		
min. Earth dist.	-3073 Nov 25 j 21:51	12°♉33'51	0.66519 AU	
opposition	-3073 Nov 27 j 06:36	12°♉00'52	2°30'07	
greatest brilliancy	-3073 Nov 27 j 02:28	12°♉05'03	-1.4m	
direct	-3072 Jan 06 j 05:10	2°♉24'43		
	-3072 Mar 30 j 05:39	0°♊		
	-3072 May 22 j 03:08	0°♋		
	-3072 Jul 07 j 22:26	0°♌		
	-3072 Aug 20 j 02:09	0°♍		
desc. node	-3072 Sep 27 j 00:56	28°♍01'10		
	-3072 Sep 29 j 15:43	0°♎		
evening set	-3072 Oct 07 j 17:17	6°♎08'16		
	-3072 Nov 07 j 13:13	0°♏		
conjunction	-3072 Dec 09 j 00:37	24°♏44'44	-0°47'04	
minimum elong	-3072 Dec 08 j 21:29	24°♏38'32	0°47'07	
max. Earth dist.	-3072 Dec 11 j 13:03	26°♏43'48	2.37500 AU	
	-3072 Dec 15 j 16:38	0°♐		
	-3071 Jan 23 j 00:01	0°♑		
morning rise	-3071 Feb 15 j 13:42	18°♑06'22		
	-3071 Mar 03 j 08:16	0°♒		
	-3071 Apr 13 j 11:30	0°♓		
	-3071 May 27 j 01:29	0°♈		
	-3071 Jul 12 j 21:37	0°♉		
asc. node	-3071 Aug 05 j 16:33	14°♉10'04		
	-3071 Sep 03 j 13:08	0°♊		
retrograde	-3071 Nov 21 j 03:05	25°♊27'30		
opposition	-3071 Dec 30 j 11:21	16°♊10'01	4°20'38	
greatest brilliancy	-3071 Dec 30 j 18:24	16°♊03'01	-1.3m	
min. Earth dist.	-3070 Jan 01 j 22:20	15°♊11'34	0.66462 AU	
direct	-3070 Feb 09 j 15:15	6°♊09'47		
	-3070 Apr 25 j 15:15	0°♋		
	-3070 Jun 16 j 03:26	0°♌		
	-3070 Jul 30 j 15:42	0°♍		
desc. node	-3070 Aug 14 j 23:08	10°♍58'56		
	-3070 Sep 09 j 14:50	0°♎		
	-3070 Oct 18 j 14:21	0°♏		
	-3070 Nov 25 j 18:23	0°♐		
evening set	-3070 Dec 14 j 06:22	14°♐31'29		
	-3069 Jan 03 j 03:39	0°♑		
	-3069 Feb 11 j 15:27	0°♒		
conjunction	-3069 Feb 16 j 23:33	3°♒57'45	-1°01'51	
minimum elong	-3069 Feb 17 j 01:31	4°♒01'23	1°01'55	
	-3069 Mar 24 j 21:46	0°♓		
max. Earth dist.	-3069 Apr 02 j 04:30	5°♓50'36	2.48755 AU	
morning rise	-3069 Apr 18 j 16:00	17°♓17'47		
	-3069 May 07 j 07:59	0°♈		
	-3069 Jun 22 j 01:41	0°♉		
asc. node	-3069 Jun 23 j 16:09	1°♉01'26		
	-3069 Aug 09 j 09:23	0°♊		
	-3069 Oct 01 j 00:08	0°♋		
	-3069 Dec 17 j 01:32	0°♌		
retrograde	-3069 Dec 30 j 04:21	0°♌59'40		
	-3068 Jan 11 j 16:12	30°℞♋		
opposition	-3068 Feb 05 j 15:58	22°♋39'01	4°57'32	
greatest brilliancy	-3068 Feb 06 j 16:56	22°♋15'16	-1.6m	
min. Earth dist.	-3068 Feb 11 j 20:54	20°♋17'29	0.59975 AU	
direct	-3068 Mar 17 j 10:27	12°♋50'44		
	-3068 May 15 j 10:05	0°♌		
desc. node	-3068 Jul 01 j 22:16	27°♌37'08		
	-3068 Jul 05 j 13:36	0°♍		
	-3068 Aug 17 j 11:32	0°♎		
	-3068 Sep 26 j 07:25	0°♏		
	-3068 Nov 04 j 00:25	0°♐		
	-3068 Dec 12 j 21:24	0°♑		
	-3067 Jan 21 j 21:22	0°♒		
evening set	-3067 Feb 14 j 22:25	17°♒26'58		
	-3067 Mar 04 j 15:21	0°♓		
conjunction	-3067 Apr 11 j 18:43	26°♓13'33	-0°16'44	
minimum elong	-3067 Apr 11 j 19:33	26°♓14'57	0°16'43	
	-3067 Apr 17 j 09:29	0°♈		
max. Earth dist.	-3067 May 05 j 18:58	12°♈14'01	2.59922 AU	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

asc. node	-3067 May 10 j 13:57	15°♈23'15	
morning rise	-3067 Jun 02 j 03:54	0°♉05'46	
	-3067 Jun 02 j 00:20	0°♉	
	-3067 Jul 19 j 03:21	0°♊	
	-3067 Sep 05 j 14:35	0°♋	
	-3067 Oct 26 j 06:27	0°♌	
	-3067 Dec 23 j 05:08	0°♍	
retrograde	-3066 Feb 17 j 21:50	14°♍51'32	
opposition	-3066 Mar 24 j 01:16	8°♍06'21	3°07'45
greatest brilliancy	-3066 Mar 25 j 02:59	7°♍44'31	-2.2m
min. Earth dist.	-3066 Apr 01 j 12:44	5°♍14'53	0.48007 AU
	-3066 Apr 25 j 18:57	30℞♌	
direct	-3066 Apr 30 j 13:11	29°♌50'29	
	-3066 May 05 j 08:45	0°♍	
desc. node	-3066 May 19 j 21:04	2°♍15'58	
	-3066 Jul 18 j 02:41	0°♎	
	-3066 Aug 31 j 12:04	0°♏	
	-3066 Oct 11 j 10:41	0°♐	
	-3066 Nov 20 j 21:09	0°♑	
	-3065 Jan 01 j 03:48	0°♒	
	-3065 Feb 12 j 23:16	0°♓	
asc. node	-3065 Mar 28 j 11:53	29°♓19'18	
	-3065 Mar 29 j 12:30	0°♈	
evening set	-3065 Apr 04 j 22:35	4°♈14'08	
	-3065 May 14 j 13:05	0°♉	
conjunction	-3065 May 24 j 13:48	6°♉26'48	0°31'19
minimum elong	-3065 May 24 j 12:43	6°♉25'03	0°31'21
max. Earth dist.	-3065 May 31 j 19:53	11°♉05'42	2.66091 AU
	-3065 Jun 30 j 10:49	0°♊	
morning rise	-3065 Jul 10 j 03:28	6°♊10'17	
	-3065 Aug 16 j 14:17	0°♋	
	-3065 Oct 02 j 15:44	0°♌	
	-3065 Nov 18 j 20:14	0°♍	
	-3064 Jan 06 j 03:42	0°♎	
	-3064 Feb 28 j 07:32	0°♏	
desc. node	-3064 Apr 05 j 21:49	15°♏25'39	
retrograde	-3064 May 01 j 15:34	19°♏20'59	
opposition	-3064 Jun 01 j 02:04	14°♏19'37	-3°57'09
greatest brilliancy	-3064 Jun 01 j 05:09	14°♏17'33	-2.9m
min. Earth dist.	-3064 Jun 02 j 15:33	13°♏54'34	0.37860 AU
direct	-3064 Jul 01 j 16:19	9°♏08'02	
	-3064 Sep 03 j 01:09	0°♐	
	-3064 Oct 22 j 11:43	0°♑	
	-3064 Dec 07 j 03:13	0°♒	
	-3063 Jan 21 j 15:19	0°♓	
asc. node	-3063 Feb 12 j 09:32	14°♓10'39	
	-3063 Mar 08 j 21:59	0°♈	
	-3063 Apr 24 j 22:52	0°♉	
evening set	-3063 May 14 j 17:31	12°♉32'42	
	-3063 Jun 11 j 05:07	0°♊	
max. Earth dist.	-3063 Jun 23 j 07:02	7°♊42'10	2.66848 AU
conjunction	-3063 Jun 30 j 12:33	12°♊19'28	1°02'53
minimum elong	-3063 Jun 30 j 11:31	12°♊17'49	1°02'57
	-3063 Jul 27 j 23:35	0°♋	
morning rise	-3063 Aug 14 j 13:38	11°♋26'30	
	-3063 Sep 11 j 17:27	0°♌	
	-3063 Oct 26 j 06:00	0°♍	
	-3063 Dec 08 j 15:33	0°♎	
	-3062 Jan 20 j 06:12	0°♏	
desc. node	-3062 Feb 21 j 23:14	23°♏06'43	
	-3062 Mar 03 j 19:01	0°♐	
	-3062 Apr 17 j 05:19	0°♑	
	-3062 Jun 13 j 00:00	0°♒	
retrograde	-3062 Jul 12 j 02:33	5°♒33'51	
min. Earth dist.	-3062 Aug 08 j 09:29	0°♒34'25	0.43837 AU
	-3062 Aug 10 j 03:49	30℞♑	
greatest brilliancy	-3062 Aug 14 j 20:39	28°♑26'13	-2.5m
opposition	-3062 Aug 16 j 08:41	27°♑56'15	-5°54'21
direct	-3062 Sep 17 j 03:48	21°♑42'35	
	-3062 Oct 26 j 01:12	0°♒	
	-3062 Dec 25 j 20:10	0°♓	
asc. node	-3062 Dec 31 j 07:48	3°♓06'30	
	-3061 Feb 15 j 01:50	0°♈	
	-3061 Apr 05 j 10:20	0°♉	
	-3061 May 23 j 17:44	0°♊	
evening set	-3061 Jun 21 j 21:31	18°♊30'02	
	-3061 Jul 09 j 17:17	0°♋	
max. Earth dist.	-3061 Jul 18 j 05:56	5°♋33'34	2.62240 AU
conjunction	-3061 Aug 07 j 12:54	18°♋57'21	1°09'50
minimum elong	-3061 Aug 07 j 13:19	18°♋58'03	1°09'56
	-3061 Aug 23 j 23:38	0°♌	
morning rise	-3061 Sep 23 j 07:15	20°♌49'10	
	-3061 Oct 06 j 09:27	0°♍	
	-3061 Nov 17 j 02:22	0°♎	
	-3061 Dec 27 j 11:48	0°♏	
desc. node	-3060 Jan 09 j 22:09	10°♏07'23	
	-3060 Feb 05 j 03:50	0°♐	
	-3060 Mar 15 j 22:56	0°♑	
	-3060 Apr 26 j 05:57	0°♒	
	-3060 Jun 10 j 22:07	0°♓	
retrograde	-3060 Aug 28 j 02:52	29°♓12'31	
min. Earth dist.	-3060 Sep 29 j 16:32	22°♓01'50	0.56275 AU
opposition	-3060 Oct 06 j 01:56	19°♓32'20	-1°50'34
greatest brilliancy	-3060 Oct 05 j 16:25	19°♓41'38	-1.9m
direct	-3060 Nov 11 j 04:23	11°♓20'24	
asc. node	-3060 Nov 17 j 07:42	11°♓34'41	
	-3059 Jan 15 j 02:07	0°♈	
	-3059 Mar 13 j 06:06	0°♉	
	-3059 May 03 j 04:41	0°♊	
	-3059 Jun 20 j 02:52	0°♋	
evening set	-3059 Jul 30 j 21:52	26°♋54'38	
	-3059 Aug 04 j 11:11	0°♌	
max. Earth dist.	-3059 Aug 16 j 12:52	8°♌16'14	2.52715 AU
	-3059 Sep 16 j 10:01	0°♍	
conjunction	-3059 Sep 18 j 16:40	1°♍38'04	0°43'15
minimum elong	-3059 Sep 18 j 18:23	1°♍41'09	0°43'16
	-3059 Oct 27 j 07:49	0°♎	
morning rise	-3059 Nov 11 j 05:28	11°♎13'56	
desc. node	-3059 Nov 26 j 20:07	23°♎08'30	
	-3059 Dec 05 j 18:12	0°♏	
	-3058 Jan 13 j 10:20	0°♐	
	-3058 Feb 21 j 03:59	0°♑	
	-3058 Apr 01 j 22:01	0°♒	
	-3058 May 13 j 20:16	0°♓	
	-3058 Jun 28 j 21:47	0°♈	
	-3058 Aug 26 j 07:20	0°♉	
retrograde	-3058 Oct 04 j 16:59	8°♉28'03	
asc. node	-3058 Oct 05 j 08:15	8°♉27'54	
	-3058 Nov 10 j 01:24	30℞♈	
min. Earth dist.	-3058 Nov 10 j 21:16	29°♈40'05	0.64790 AU
opposition	-3058 Nov 13 j 17:16	28°♈31'37	1°30'29
greatest brilliancy	-3058 Nov 13 j 12:46	28°♈36'09	-1.5m
direct	-3058 Dec 22 j 19:48	19°♈12'32	
	-3057 Feb 08 j 08:16	0°♉	
	-3057 Apr 10 j 16:17	0°♊	
	-3057 May 31 j 06:34	0°♋	
	-3057 Jul 16 j 10:22	0°♌	
	-3057 Aug 28 j 10:19	0°♍	
evening set	-3057 Sep 16 j 10:35	13°♍51'49	
	-3057 Oct 08 j 00:35	0°♎	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

max. Earth dist.	-3057 Oct 08 j 23:34	0°♎43'31	2.40399 AU
desc. node	-3057 Oct 14 j 18:21	5°♎07'05	
conjunction	-3057 Nov 13 j 11:31	28°♎01'59	-0°20'39
minimum elong	-3057 Nov 13 j 09:56	27°♎58'53	0°20'39
	-3057 Nov 16 j 00:05	0°♏	
	-3057 Dec 24 j 05:24	0°♐	
morning rise	-3056 Jan 18 j 14:19	19°♐54'08	
	-3056 Jan 31 j 13:47	0°♑	
	-3056 Mar 10 j 22:18	0°♒	
	-3056 Apr 21 j 02:45	0°♓	
	-3056 Jun 03 j 22:52	0°♈	
	-3056 Jul 21 j 19:20	0°♉	
asc. node	-3056 Aug 22 j 07:38	17°♉34'32	
	-3056 Sep 17 j 10:15	0°♊	
retrograde	-3056 Nov 07 j 09:29	12°♊36'14	
opposition	-3056 Dec 17 j 03:00	3°♊03'18	3°45'16
greatest brilliancy	-3056 Dec 17 j 04:18	3°♊02'00	-1.3m
min. Earth dist.	-3056 Dec 18 j 01:51	2°♊40'28	0.67251 AU
	-3056 Dec 24 j 21:28	30°℞♉	
direct	-3055 Jan 26 j 22:58	23°♉09'15	
	-3055 Mar 04 j 11:20	0°♊	
	-3055 May 06 j 22:34	0°♋	
	-3055 Jun 24 j 19:39	0°♌	
	-3055 Aug 07 j 14:52	0°♍	
desc. node	-3055 Aug 31 j 16:24	17°♍30'30	
	-3055 Sep 17 j 08:40	0°♎	
	-3055 Oct 26 j 06:20	0°♏	
evening set	-3055 Nov 16 j 18:28	16°♏54'02	
	-3055 Dec 03 j 09:11	0°♐	
	-3054 Jan 10 j 16:37	0°♑	
conjunction	-3054 Jan 21 j 20:04	8°♑35'59	-1°07'01
minimum elong	-3054 Jan 21 j 19:51	8°♑35'32	1°07'07
	-3054 Feb 19 j 01:41	0°♒	
max. Earth dist.	-3054 Mar 12 j 06:52	15°♒39'21	2.43488 AU
morning rise	-3054 Mar 27 j 23:24	26°♒58'35	
	-3054 Apr 01 j 05:13	0°♓	
	-3054 May 14 j 14:31	0°♈	
	-3054 Jun 29 j 13:56	0°♉	
asc. node	-3054 Jul 10 j 07:12	6°♉43'49	
	-3054 Aug 17 j 21:45	0°♊	
	-3054 Oct 13 j 18:16	0°♋	
retrograde	-3054 Dec 14 j 03:30	16°♋47'57	
opposition	-3053 Jan 21 j 12:09	8°♋01'38	4°54'14
greatest brilliancy	-3053 Jan 22 j 06:10	7°♋44'08	-1.5m
min. Earth dist.	-3053 Jan 26 j 06:50	6°♋10'18	0.63260 AU
	-3053 Feb 14 j 11:17	30°℞♊	
direct	-3053 Mar 03 j 15:43	28°♊02'48	
	-3053 Mar 21 j 19:46	0°♋	
	-3053 May 30 j 09:39	0°♌	
	-3053 Jul 16 j 11:22	0°♍	
desc. node	-3053 Jul 19 j 14:45	2°♍09'39	
	-3053 Aug 27 j 07:12	0°♎	
	-3053 Oct 05 j 15:48	0°♏	
	-3053 Nov 13 j 01:41	0°♐	
	-3053 Dec 21 j 16:22	0°♑	
evening set	-3052 Jan 24 j 00:34	25°♑15'16	
	-3052 Jan 30 j 09:55	0°♒	
	-3052 Mar 11 j 21:49	0°♓	
conjunction	-3052 Mar 23 j 08:41	8°♓01'53	-0°36'40
minimum elong	-3052 Mar 23 j 10:34	8°♓05'09	0°36'42
max. Earth dist.	-3052 Apr 24 j 02:34	29°♓45'36	2.56078 AU
	-3052 Apr 24 j 11:07	0°♈	
morning rise	-3052 May 16 j 18:53	14°♈51'09	
asc. node	-3052 May 27 j 06:13	21°♈42'46	
	-3052 Jun 09 j 00:56	0°♉	
	-3052 Jul 26 j 10:48	0°♊	
	-3052 Sep 13 j 22:52	0°♋	
	-3052 Nov 06 j 22:40	0°♌	
retrograde	-3051 Jan 27 j 00:22	26°♌18'33	
opposition	-3051 Mar 03 j 15:45	18°♌49'49	4°17'59
greatest brilliancy	-3051 Mar 04 j 22:30	18°♌22'04	-1.9m
min. Earth dist.	-3051 Mar 11 j 16:07	15°♌56'55	0.53158 AU
direct	-3051 Apr 11 j 22:01	9°♌42'48	
desc. node	-3051 Jun 05 j 14:54	25°♌38'26	
	-3051 Jun 13 j 22:42	0°♍	
	-3051 Jul 31 j 19:54	0°♎	
	-3051 Sep 11 j 08:27	0°♏	
	-3051 Oct 21 j 00:03	0°♐	
	-3051 Nov 29 j 14:03	0°♑	
	-3050 Jan 09 j 04:39	0°♒	
	-3050 Feb 20 j 11:24	0°♓	
evening set	-3050 Mar 18 j 06:48	17°♓41'05	
	-3050 Apr 05 j 15:05	0°♈	
asc. node	-3050 Apr 14 j 02:58	5°♈38'11	
conjunction	-3050 May 08 j 21:14	21°♈52'18	0°14'08
minimum elong	-3050 May 08 j 20:39	21°♈51'21	0°14'10
behind sun begin	-3050 May 08 j 11:30	21°♈36'30	
behind sun end	-3050 May 09 j 05:48	22°♈06'13	
	-3050 May 21 j 10:16	0°♉	
max. Earth dist.	-3050 May 22 j 05:08	0°♉30'28	2.64326 AU
morning rise	-3050 Jun 25 j 21:06	22°♉43'10	
	-3050 Jul 07 j 08:01	0°♊	
	-3050 Aug 23 j 20:00	0°♋	
	-3050 Oct 10 j 20:30	0°♌	
	-3050 Nov 29 j 05:30	0°♍	
	-3049 Jan 22 j 12:19	0°♎	
retrograde	-3049 Apr 01 j 01:02	20°♎56'24	
desc. node	-3049 Apr 23 j 14:54	17°♎52'18	
opposition	-3049 May 02 j 09:07	15°♎27'51	-0°36'08
greatest brilliancy	-3049 May 02 j 12:21	15°♎25'30	-2.8m
min. Earth dist.	-3049 May 08 j 14:03	13°♎39'46	0.40556 AU
direct	-3049 Jun 04 j 19:04	9°♎09'34	
	-3049 Aug 05 j 21:24	0°♏	
	-3049 Sep 22 j 10:51	0°♐	
	-3049 Nov 04 j 20:06	0°♑	
	-3049 Dec 17 j 22:31	0°♒	
	-3048 Jan 31 j 00:13	0°♓	
asc. node	-3048 Mar 01 j 00:39	19°♓55'45	
	-3048 Mar 16 j 09:58	0°♈	
evening set	-3048 Apr 29 j 11:14	28°♈24'35	
	-3048 May 01 j 22:54	0°♉	
max. Earth dist.	-3048 Jun 14 j 07:29	27°♉38'41	2.67197 AU
conjunction	-3048 Jun 16 j 01:03	28°♉44'54	0°53'11
minimum elong	-3048 Jun 15 j 23:48	28°♉42'53	0°53'14
	-3048 Jun 18 j 00:11	0°♊	
morning rise	-3048 Jul 31 j 07:55	27°♊43'50	
	-3048 Aug 03 j 20:27	0°♋	
	-3048 Sep 18 j 23:38	0°♌	
	-3048 Nov 03 j 06:18	0°♍	
	-3048 Dec 17 j 21:25	0°♎	
	-3047 Jan 31 j 09:52	0°♏	
desc. node	-3047 Mar 10 j 15:05	25°♏07'15	
	-3047 Mar 18 j 08:00	0°♐	
	-3047 May 12 j 19:59	0°♑	
retrograde	-3047 Jun 17 j 14:59	7°♑55'54	
min. Earth dist.	-3047 Jul 14 j 09:55	3°♑27'37	0.39690 AU
greatest brilliancy	-3047 Jul 19 j 01:40	2°♑05'34	-2.8m
opposition	-3047 Jul 20 j 08:52	1°♑42'30	-6°38'27
	-3047 Jul 26 j 08:25	30°℞♐	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

direct	-3047 Aug 19 j 14:52	26°♐20'46	
	-3047 Sep 13 j 02:57	0°♑	
	-3047 Nov 16 j 22:31	0°♒	
	-3046 Jan 06 j 05:51	0°♓	
asc. node	-3046 Jan 17 j 00:08	6°♓37'13	
	-3046 Feb 23 j 17:47	0°♈	
	-3046 Apr 12 j 22:13	0°♉	
	-3046 May 30 j 17:09	0°♊	
evening set	-3046 Jun 07 j 02:13	4°♊40'33	
max. Earth dist.	-3046 Jul 08 j 04:54	24°♊35'26	2.64667 AU
	-3046 Jul 16 j 13:19	0°♋	
conjunction	-3046 Jul 23 j 11:17	4°♋30'09	1°10'34
minimum elong	-3046 Jul 23 j 11:02	4°♋29'45	1°10'40
	-3046 Aug 30 j 22:55	0°♌	
morning rise	-3046 Sep 07 j 02:36	4°♌49'45	
	-3046 Oct 13 j 17:03	0°♍	
	-3046 Nov 24 j 22:25	0°♎	
	-3045 Jan 04 j 22:52	0°♏	
desc. node	-3045 Jan 26 j 15:12	16°♏05'00	
	-3045 Feb 14 j 08:05	0°♐	
	-3045 Mar 27 j 01:06	0°♑	
	-3045 May 09 j 01:20	0°♒	
	-3045 Jun 30 j 08:26	0°♓	
retrograde	-3045 Aug 12 j 06:59	10°♓56'48	
min. Earth dist.	-3045 Sep 11 j 17:24	4°♓35'08	0.51620 AU
greatest brilliancy	-3045 Sep 18 j 09:14	2°♓05'29	-2.1m
opposition	-3045 Sep 19 j 05:40	1°♓46'16	-3°26'33
	-3045 Sep 24 j 01:26	30°℞♒	
direct	-3045 Oct 23 j 19:51	24°♒13'29	
	-3045 Nov 25 j 03:52	0°♓	
asc. node	-3045 Dec 04 j 23:27	3°♓27'36	
	-3044 Jan 29 j 10:50	0°♈	
	-3044 Mar 22 j 02:48	0°♉	
	-3044 May 10 j 17:18	0°♊	
	-3044 Jun 27 j 04:11	0°♋	
evening set	-3044 Jul 14 j 19:34	11°♋30'55	
max. Earth dist.	-3044 Aug 03 j 16:32	24°♋45'10	2.56978 AU
	-3044 Aug 11 j 10:43	0°♌	
conjunction	-3044 Aug 31 j 21:19	14°♌02'55	0°58'10
minimum elong	-3044 Aug 31 j 22:45	14°♌05'25	0°58'15
	-3044 Sep 23 j 12:55	0°♍	
morning rise	-3044 Oct 20 j 23:13	19°♍50'53	
	-3044 Nov 03 j 17:08	0°♎	
desc. node	-3044 Dec 13 j 13:51	0°♏05'35	
	-3044 Dec 13 j 10:55	0°♏	
	-3043 Jan 21 j 10:16	0°♐	
	-3043 Mar 01 j 10:41	0°♑	
	-3043 Apr 10 j 12:56	0°♒	
	-3043 May 23 j 04:42	0°♓	
	-3043 Jul 10 j 18:19	0°♈	
retrograde	-3043 Sep 20 j 18:02	24°♈20'51	
asc. node	-3043 Oct 21 j 23:02	17°♈47'34	
min. Earth dist.	-3043 Oct 26 j 06:28	16°♈06'38	0.62139 AU
opposition	-3043 Oct 30 j 13:18	14°♈23'37	0°20'55
greatest brilliancy	-3043 Oct 30 j 11:49	14°♈25'06	-1.6m
direct	-3043 Dec 07 j 15:22	5°♈26'05	
	-3042 Feb 23 j 16:27	0°♉	
	-3042 Apr 19 j 17:57	0°♊	
	-3042 Jun 07 j 23:13	0°♋	
	-3042 Jul 23 j 17:03	0°♌	
evening set	-3042 Aug 27 j 13:35	24°♌13'18	
	-3042 Sep 04 j 15:24	0°♍	
max. Earth dist.	-3042 Sep 12 j 09:51	5°♍36'54	2.45187 AU
	-3042 Oct 15 j 07:51	0°♎	
conjunction	-3042 Oct 20 j 16:22	4°♎02'58	0°07'31
minimum elong	-3042 Oct 20 j 16:51	4°♎03'54	0°07'30
behind sun begin	-3042 Oct 19 j 19:01	3°♎22'33	
behind sun end	-3042 Oct 21 j 14:41	4°♎45'18	
desc. node	-3042 Oct 31 j 11:19	12°♎16'08	
	-3042 Nov 23 j 10:47	0°♏	
morning rise	-3042 Dec 20 j 19:34	21°♏22'46	
	-3042 Dec 31 j 19:27	0°♐	
	-3041 Feb 08 j 06:22	0°♑	
	-3041 Mar 19 j 16:47	0°♒	
	-3041 Apr 30 j 00:42	0°♓	
	-3041 Jun 13 j 08:11	0°♈	
	-3041 Aug 02 j 00:01	0°♉	
asc. node	-3041 Sep 08 j 23:24	18°♉36'48	
retrograde	-3041 Oct 25 j 22:25	29°♉44'38	
opposition	-3041 Dec 04 j 21:43	19°♉59'24	3°00'25
min. Earth dist.	-3041 Dec 04 j 08:22	20°♉12'49	0.67056 AU
greatest brilliancy	-3041 Dec 04 j 18:52	20°♉02'16	-1.3m
direct	-3040 Jan 14 j 05:12	10°♉15'49	
	-3040 Mar 22 j 05:22	0°♊	
	-3040 May 16 j 11:25	0°♋	
	-3040 Jul 02 j 22:00	0°♌	
	-3040 Aug 15 j 06:56	0°♍	
desc. node	-3040 Sep 17 j 10:30	24°♍21'22	
	-3040 Sep 24 j 22:03	0°♎	
evening set	-3040 Oct 21 j 11:58	20°♎24'14	
	-3040 Nov 02 j 19:20	0°♏	
	-3040 Dec 10 j 22:06	0°♐	
conjunction	-3040 Dec 24 j 20:59	10°♐59'19	-0°58'16
minimum elong	-3040 Dec 24 j 18:11	10°♐53'49	0°58'20
	-3039 Jan 18 j 04:51	0°♑	
max. Earth dist.	-3039 Feb 01 j 19:39	11°♑16'47	2.38681 AU
	-3039 Feb 26 j 12:26	0°♒	
morning rise	-3039 Mar 03 j 02:50	3°♒25'58	
	-3039 Apr 08 j 14:42	0°♓	
	-3039 May 22 j 01:23	0°♈	
	-3039 Jul 07 j 11:04	0°♉	
asc. node	-3039 Jul 26 j 22:37	11°♉53'47	
	-3039 Aug 27 j 11:00	0°♊	
	-3039 Nov 04 j 13:17	0°♋	
retrograde	-3039 Nov 29 j 06:59	3°♋22'33	
	-3039 Dec 22 j 03:11	30°℞♊	
opposition	-3038 Jan 07 j 07:49	24°♊15'05	4°36'15
greatest brilliancy	-3038 Jan 07 j 18:36	24°♊04'27	-1.4m
min. Earth dist.	-3038 Jan 10 j 14:30	22°♊57'34	0.65611 AU
direct	-3038 Feb 17 j 13:02	14°♊13'46	
	-3038 Apr 16 j 14:44	0°♋	
	-3038 Jun 10 j 02:50	0°♌	
	-3038 Jul 25 j 08:35	0°♍	
desc. node	-3038 Aug 05 j 09:19	7°♍48'38	
	-3038 Sep 04 j 14:23	0°♎	
	-3038 Oct 13 j 16:40	0°♏	
	-3038 Nov 20 j 22:12	0°♐	
evening set	-3038 Dec 29 j 11:59	0°♑06'39	
	-3038 Dec 29 j 08:32	0°♑	
	-3037 Feb 06 j 21:09	0°♒	
conjunction	-3037 Mar 02 j 13:35	17°♒23'13	-0°54'17
minimum elong	-3037 Mar 02 j 15:56	17°♒27'27	0°54'20
	-3037 Mar 20 j 04:09	0°♓	
max. Earth dist.	-3037 Apr 11 j 14:38	15°♓41'43	2.51508 AU
morning rise	-3037 Apr 29 j 20:29	28°♓09'22	
	-3037 May 02 j 14:03	0°♈	
asc. node	-3037 Jun 13 j 21:02	27°♈51'42	
	-3037 Jun 17 j 04:48	0°♉	
	-3037 Aug 04 j 01:52	0°♊	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

	-3037 Sep 24 j 04:52	0°♋		
	-3037 Nov 24 j 14:21	0°♌		
retrograde	-3036 Jan 09 j 01:29	10°♌02'21		
opposition	-3036 Feb 14 j 22:50	1°♌58'17	4°50'18	
greatest brilliancy	-3036 Feb 16 j 02:53	1°♌31'59	-1.7m	
	-3036 Feb 20 j 04:51	30°℞♋		
min. Earth dist.	-3036 Feb 21 j 20:49	29°♋22'58	0.57766 AU	
direct	-3036 Mar 26 j 07:14	22°♋20'44		
	-3036 May 02 j 04:51	0°♌		
desc. node	-3036 Jun 22 j 07:25	26°♌10'12		
	-3036 Jun 28 j 11:01	0°♍		
	-3036 Aug 11 j 12:41	0°♎		
	-3036 Sep 20 j 19:30	0°♏		
	-3036 Oct 29 j 18:47	0°♐		
	-3036 Dec 07 j 20:25	0°♑		
	-3035 Jan 17 j 00:04	0°♒		
evening set	-3035 Feb 26 j 20:15	29°♒16'25		
	-3035 Feb 27 j 21:09	0°♓		
	-3035 Apr 12 j 17:14	0°♈		
conjunction	-3035 Apr 22 j 00:39	6°♈12'30	-0°05'09	
minimum elong	-3035 Apr 22 j 00:54	6°♈12'53	0°05'08	
behind sun begin	-3035 Apr 21 j 04:17	5°♈38'40		
behind sun end	-3035 Apr 22 j 21:30	6°♈47'05		
asc. node	-3035 Apr 30 j 19:49	12°♈01'50		
max. Earth dist.	-3035 May 12 j 00:55	19°♈23'41	2.61696 AU	
	-3035 May 28 j 08:26	0°♉		
morning rise	-3035 Jun 11 j 00:53	8°♉48'55		
	-3035 Jul 14 j 08:13	0°♊		
	-3035 Aug 31 j 09:03	0°♋		
	-3035 Oct 19 j 20:04	0°♌		
	-3035 Dec 12 j 05:26	0°♍		
retrograde	-3034 Mar 03 j 20:12	27°♍03'59		
opposition	-3034 Apr 06 j 01:17	20°♍46'12	2°04'14	
greatest brilliancy	-3034 Apr 06 j 19:01	20°♍31'55	-2.4m	
min. Earth dist.	-3034 Apr 14 j 08:10	18°♍06'45	0.45139 AU	
desc. node	-3034 May 10 j 07:06	13°♍09'56		
direct	-3034 May 12 j 06:42	13°♍08'18		
	-3034 Jul 06 j 06:37	0°♎		
	-3034 Aug 23 j 16:03	0°♏		
	-3034 Oct 04 j 21:31	0°♐		
	-3034 Nov 15 j 01:05	0°♑		
	-3034 Dec 26 j 19:08	0°♒		
	-3033 Feb 07 j 22:52	0°♓		
asc. node	-3033 Mar 18 j 17:27	26°♓01'58		
	-3033 Mar 24 j 17:43	0°♈		
evening set	-3033 Apr 14 j 11:36	13°♈34'18		
	-3033 May 09 j 21:38	0°♉		
conjunction	-3033 Jun 02 j 06:24	14°♉58'16	0°40'11	
minimum elong	-3033 Jun 02 j 05:10	14°♉56'17	0°40'14	
max. Earth dist.	-3033 Jun 06 j 05:58	17°♉30'51	2.66709 AU	
	-3033 Jun 25 j 19:44	0°♊		
morning rise	-3033 Jul 18 j 06:07	14°♊18'06		
	-3033 Aug 11 j 19:53	0°♋		
	-3033 Sep 27 j 12:05	0°♌		
	-3033 Nov 12 j 20:50	0°♍		
	-3033 Dec 29 j 11:10	0°♎		
	-3032 Feb 15 j 20:08	0°♏		
desc. node	-3032 Mar 27 j 08:12	22°♏07'40		
	-3032 Apr 14 j 17:00	0°♐		
retrograde	-3032 May 19 j 15:39	7°♐05'39		
min. Earth dist.	-3032 Jun 17 j 18:57	2°♐19'02	0.37663 AU	
opposition	-3032 Jun 19 j 05:38	1°♐55'59	-5°30'57	
greatest brilliancy	-3032 Jun 18 j 21:08	2°♐01'37	-2.9m	
	-3032 Jun 26 j 16:49	30°℞♏		
direct	-3032 Jul 19 j 01:36	26°♏57'42		
	-3032 Aug 10 j 02:01	0°♐		
	-3032 Oct 12 j 22:15	0°♑		
	-3032 Nov 30 j 05:49	0°♒		
	-3031 Jan 15 j 21:46	0°♓		
asc. node	-3031 Feb 02 j 15:17	11°♓23'02		
	-3031 Mar 03 j 19:07	0°♈		
	-3031 Apr 20 j 04:09	0°♉		
evening set	-3031 May 23 j 07:08	20°♉56'03		
	-3031 Jun 06 j 14:12	0°♊		
max. Earth dist.	-3031 Jun 28 j 15:44	14°♊04'24	2.66288 AU	
conjunction	-3031 Jul 08 j 20:11	20°♊36'39	1°06'52	
minimum elong	-3031 Jul 08 j 19:23	20°♊35'22	1°06'57	
	-3031 Jul 23 j 09:00	0°♋		
morning rise	-3031 Aug 22 j 23:00	20°♋01'05		
	-3031 Sep 06 j 23:39	0°♌		
	-3031 Oct 21 j 04:51	0°♍		
	-3031 Dec 03 j 03:01	0°♎		
	-3030 Jan 14 j 01:16	0°♏		
desc. node	-3030 Feb 12 j 07:30	21°♏08'35		
	-3030 Feb 24 j 14:17	0°♐		
	-3030 Apr 08 j 01:55	0°♑		
	-3030 May 25 j 15:52	0°♒		
retrograde	-3030 Jul 24 j 05:52	19°♒39'58		
min. Earth dist.	-3030 Aug 21 j 11:56	14°♒12'14	0.46576 AU	
greatest brilliancy	-3030 Aug 28 j 06:56	11°♒50'08	-2.3m	
opposition	-3030 Aug 29 j 14:38	11°♒22'17	-5°05'13	
direct	-3030 Oct 01 j 11:27	4°♒38'16		
	-3030 Dec 17 j 01:57	0°♓		
asc. node	-3030 Dec 21 j 14:45	2°♓21'28		
	-3029 Feb 08 j 23:40	0°♈		
	-3029 Mar 31 j 06:21	0°♉		
	-3029 May 18 j 23:20	0°♊		
evening set	-3029 Jun 30 j 10:44	26°♊58'40		
	-3029 Jul 05 j 02:46	0°♋		
max. Earth dist.	-3029 Jul 24 j 07:03	12°♋32'49	2.60573 AU	
conjunction	-3029 Aug 16 j 10:45	28°♋00'26	1°07'09	
minimum elong	-3029 Aug 16 j 11:34	28°♋01'49	1°07'14	
	-3029 Aug 19 j 09:27	0°♌		
	-3029 Oct 01 j 16:35	0°♍		
morning rise	-3029 Oct 03 j 03:43	1°♍02'15		
	-3029 Nov 12 j 04:47	0°♎		
	-3029 Dec 22 j 07:59	0°♏		
desc. node	-3029 Dec 31 j 07:12	6°♏48'05		
	-3028 Jan 30 j 16:56	0°♐		
	-3028 Mar 10 j 03:33	0°♑		
	-3028 Apr 19 j 20:17	0°♒		
	-3028 Jun 02 j 22:14	0°♓		
	-3028 Jul 28 j 08:21	0°♈		
retrograde	-3028 Sep 06 j 01:02	9°♈05'22		
min. Earth dist.	-3028 Oct 09 j 17:27	1°♈30'11	0.58603 AU	
	-3028 Oct 13 j 12:50	30°℞♓		
opposition	-3028 Oct 15 j 09:36	29°♓15'38	-0°59'19	
greatest brilliancy	-3028 Oct 15 j 05:03	29°♓20'09	-1.8m	
asc. node	-3028 Nov 07 j 14:11	22°♓00'46		
direct	-3028 Nov 21 j 06:11	20°♓45'32		
	-3027 Jan 03 j 05:00	0°♈		
	-3027 Mar 06 j 21:28	0°♉		
	-3027 Apr 27 j 23:43	0°♊		
	-3027 Jun 15 j 08:00	0°♋		
	-3027 Jul 30 j 20:03	0°♌		
evening set	-3027 Aug 09 j 12:14	6°♌36'45		
max. Earth dist.	-3027 Aug 25 j 02:24	17°♌26'28	2.50156 AU	
	-3027 Sep 11 j 19:10	0°♍		
conjunction	-3027 Sep 29 j 13:36	12°♍52'53	0°31'55	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

minimum elong	-3027 Sep 29 j 15:10	12°♍55'45	0°31'56
	-3027 Oct 22 j 15:29	0°♎	
desc. node	-3027 Nov 17 j 06:04	19°♎26'14	
morning rise	-3027 Nov 24 j 12:48	25°♎01'58	
	-3027 Nov 30 j 23:15	0°♏	
	-3026 Jan 08 j 12:16	0°♐	
	-3026 Feb 16 j 02:43	0°♑	
	-3026 Mar 27 j 16:30	0°♒	
	-3026 May 08 j 06:53	0°♓	
	-3026 Jun 22 j 10:41	0°♈	
	-3026 Aug 14 j 19:29	0°♉	
asc. node	-3026 Sep 25 j 13:22	14°♉55'21	
retrograde	-3026 Oct 12 j 12:58	16°♉40'20	
min. Earth dist.	-3026 Nov 19 j 13:02	7°♉35'49	0.65872 AU
opposition	-3026 Nov 21 j 14:02	6°♉46'28	2°06'29
greatest brilliancy	-3026 Nov 21 j 09:16	6°♉51'15	-1.4m
	-3026 Dec 10 j 19:50	30°℞♈	
direct	-3026 Dec 31 j 04:10	27°♈17'27	
	-3025 Jan 22 j 07:33	0°♉	
	-3025 Apr 04 j 02:26	0°♊	
	-3025 May 25 j 23:36	0°♋	
	-3025 Jul 11 j 13:33	0°♌	
	-3025 Aug 23 j 16:51	0°♍	
evening set	-3025 Sep 28 j 17:04	26°♍30'57	
	-3025 Oct 03 j 07:52	0°♎	
desc. node	-3025 Oct 05 j 03:41	1°♎22'58	
max. Earth dist.	-3025 Nov 04 j 06:41	24°♎32'22	2.38302 AU
	-3025 Nov 11 j 06:49	0°♏	
conjunction	-3025 Nov 28 j 03:17	13°♏12'29	-0°36'19
minimum elong	-3025 Nov 28 j 00:34	13°♏07'09	0°36'21
	-3025 Dec 19 j 11:09	0°♐	
	-3024 Jan 26 j 18:35	0°♑	
morning rise	-3024 Feb 04 j 01:38	6°♑24'58	
	-3024 Mar 06 j 01:53	0°♒	
	-3024 Apr 16 j 04:04	0°♓	
	-3024 May 29 j 18:30	0°♈	
	-3024 Jul 15 j 21:16	0°♉	
asc. node	-3024 Aug 12 j 13:33	16°♉08'09	
	-3024 Sep 07 j 22:48	0°♊	
retrograde	-3024 Nov 15 j 06:07	20°♊24'57	
opposition	-3024 Dec 24 j 18:39	11°♊00'00	4°06'58
greatest brilliancy	-3024 Dec 24 j 22:57	10°♊55'43	-1.3m
min. Earth dist.	-3024 Dec 26 j 13:01	10°♊17'50	0.66945 AU
direct	-3023 Feb 03 j 19:27	1°♊01'59	
	-3023 Apr 29 j 23:58	0°♋	
	-3023 Jun 19 j 07:49	0°♌	
	-3023 Aug 02 j 13:37	0°♍	
desc. node	-3023 Aug 22 j 01:46	14°♍04'11	
	-3023 Sep 12 j 11:25	0°♎	
	-3023 Oct 21 j 10:30	0°♏	
	-3023 Nov 28 j 13:54	0°♐	
evening set	-3023 Dec 02 j 05:53	2°♐53'13	
	-3022 Jan 05 j 21:52	0°♑	
conjunction	-3022 Feb 05 j 22:10	23°♑42'34	-1°05'31
minimum elong	-3022 Feb 05 j 23:26	23°♑44'57	1°05'36
	-3022 Feb 14 j 07:26	0°♒	
max. Earth dist.	-3022 Mar 25 j 04:16	28°♒22'16	2.46418 AU
	-3022 Mar 27 j 11:12	0°♓	
morning rise	-3022 Apr 09 j 15:31	9°♓17'34	
	-3022 May 09 j 19:28	0°♈	
	-3022 Jun 24 j 13:45	0°♉	
asc. node	-3022 Jun 30 j 13:34	3°♉48'21	
	-3022 Aug 12 j 04:41	0°♊	
	-3022 Oct 05 j 02:42	0°♋	
retrograde	-3022 Dec 23 j 03:42	25°♋15'00	
opposition	-3021 Jan 30 j 01:10	16°♋42'06	4°57'48
greatest brilliancy	-3021 Jan 30 j 23:05	16°♋21'01	-1.5m
min. Earth dist.	-3021 Feb 04 j 14:28	14°♋34'00	0.61568 AU
direct	-3021 Mar 12 j 00:17	6°♋47'59	
	-3021 May 22 j 07:12	0°♌	
desc. node	-3021 Jul 10 j 00:46	29°♌44'21	
	-3021 Jul 10 j 10:06	0°♍	
	-3021 Aug 21 j 20:43	0°♎	
	-3021 Sep 30 j 11:40	0°♏	
	-3021 Nov 08 j 01:05	0°♐	
	-3021 Dec 16 j 18:30	0°♑	
	-3020 Jan 25 j 14:21	0°♒	
evening set	-3020 Feb 06 j 07:37	8°♒35'58	
	-3020 Mar 07 j 04:13	0°♓	
conjunction	-3020 Apr 03 j 16:08	19°♓04'43	-0°25'16
minimum elong	-3020 Apr 03 j 17:25	19°♓06'56	0°25'17
	-3020 Apr 19 j 18:50	0°♈	
max. Earth dist.	-3020 May 01 j 02:09	7°♈33'36	2.58295 AU
asc. node	-3020 May 17 j 11:22	18°♈22'38	
morning rise	-3020 May 26 j 07:38	24°♈09'19	
	-3020 Jun 04 j 07:57	0°♉	
	-3020 Jul 21 j 12:37	0°♊	
	-3020 Sep 08 j 08:37	0°♋	
	-3020 Oct 30 j 03:23	0°♌	
	-3019 Jan 02 j 05:59	0°♍	
retrograde	-3019 Feb 07 j 23:53	6°♍57'42	
opposition	-3019 Mar 14 j 20:34	29°♌51'56	3°42'55
	-3019 Mar 14 j 11:19	30°℞♌	
greatest brilliancy	-3019 Mar 16 j 01:32	29°♌26'36	-2.1m
min. Earth dist.	-3019 Mar 23 j 06:09	26°♌56'42	0.50354 AU
direct	-3019 Apr 22 j 05:46	21°♌10'36	
desc. node	-3019 May 26 j 23:31	28°♌24'34	
	-3019 May 30 j 23:45	0°♍	
	-3019 Jul 24 j 00:40	0°♎	
	-3019 Sep 04 j 22:08	0°♏	
	-3019 Oct 15 j 04:50	0°♐	
	-3019 Nov 24 j 04:39	0°♑	
	-3018 Jan 04 j 02:29	0°♒	
	-3018 Feb 15 j 14:38	0°♓	
evening set	-3018 Mar 28 j 12:41	27°♓44'23	
	-3018 Mar 31 j 22:15	0°♈	
asc. node	-3018 Apr 04 j 09:07	2°♈17'26	
	-3018 May 16 j 19:26	0°♉	
conjunction	-3018 May 17 j 23:31	0°♉45'17	0°24'22
minimum elong	-3018 May 17 j 22:36	0°♉43'48	0°24'25
max. Earth dist.	-3018 May 27 j 20:24	7°♉06'25	2.65405 AU
	-3018 Jul 02 j 16:29	0°♊	
morning rise	-3018 Jul 04 j 02:49	0°♊54'36	
	-3018 Aug 18 j 23:18	0°♋	
	-3018 Oct 05 j 09:49	0°♌	
	-3018 Nov 22 j 09:44	0°♍	
	-3017 Jan 11 j 14:50	0°♎	
	-3017 Mar 14 j 05:14	0°♏	
desc. node	-3017 Apr 13 j 23:48	6°♏44'20	
retrograde	-3017 Apr 18 j 12:59	6°♏52'12	
opposition	-3017 May 19 j 05:47	1°♏43'51	-2°29'58
greatest brilliancy	-3017 May 19 j 12:53	1°♏38'57	-2.9m
min. Earth dist.	-3017 May 23 j 02:41	0°♏39'54	0.38729 AU
	-3017 May 25 j 14:01	30°℞♎	
direct	-3017 Jun 19 j 22:48	26°♎07'31	
	-3017 Jul 14 j 12:02	0°♏	
	-3017 Sep 12 j 16:33	0°♐	
	-3017 Oct 28 j 14:25	0°♑	
	-3017 Dec 11 j 21:38	0°♒	
	-3016 Jan 25 j 15:47	0°♓	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

asc. node	-3016 Feb 20 j 07:09	16°♓52'34	
	-3016 Mar 11 j 11:37	0°♈	
	-3016 Apr 27 j 06:19	0°♉	
evening set	-3016 May 08 j 06:31	7°♉00'31	
	-3016 Jun 13 j 10:00	0°♊	
max. Earth dist.	-3016 Jun 19 j 14:57	3°♊57'16	2.67112 AU
conjunction	-3016 Jun 24 j 08:35	6°♊58'29	0°59'13
minimum elong	-3016 Jun 24 j 07:26	6°♊56'39	0°59'18
	-3016 Jul 30 j 05:33	0°♋	
morning rise	-3016 Aug 08 j 10:39	5°♋57'55	
	-3016 Sep 14 j 03:51	0°♌	
	-3016 Oct 29 j 00:28	0°♍	
	-3016 Dec 11 j 22:21	0°♎	
	-3015 Jan 24 j 06:23	0°♏	
desc. node	-3015 Mar 01 j 01:39	24°♏40'20	
	-3015 Mar 08 j 22:16	0°♐	
	-3015 Apr 24 j 21:33	0°♑	
retrograde	-3015 Jul 02 j 00:53	24°♑29'02	
min. Earth dist.	-3015 Jul 28 j 18:50	19°♑48'25	0.41794 AU
greatest brilliancy	-3015 Aug 03 j 16:32	17°♑57'18	-2.6m
opposition	-3015 Aug 05 j 04:49	17°♑28'40	-6°23'09
direct	-3015 Sep 05 j 04:45	11°♑39'44	
	-3015 Nov 05 j 17:05	0°♒	
	-3015 Dec 30 j 06:43	0°♓	
asc. node	-3014 Jan 07 j 05:30	4°♓41'54	
	-3014 Feb 18 j 03:31	0°♈	
	-3014 Apr 07 j 22:40	0°♉	
	-3014 May 26 j 00:29	0°♊	
evening set	-3014 Jun 15 j 13:29	13°♊01'07	
	-3014 Jul 11 j 23:08	0°♋	
max. Earth dist.	-3014 Jul 13 j 22:12	1°♋16'28	2.63432 AU
conjunction	-3014 Aug 01 j 00:29	13°♋07'24	1°10'43
minimum elong	-3014 Aug 01 j 00:37	13°♋07'38	1°10'48
	-3014 Aug 26 j 07:45	0°♌	
morning rise	-3014 Sep 16 j 04:27	14°♌12'24	
	-3014 Oct 08 j 22:03	0°♍	
	-3014 Nov 19 j 21:06	0°♎	
	-3014 Dec 30 j 13:25	0°♏	
desc. node	-3013 Jan 17 j 00:42	13°♏04'54	
	-3013 Feb 08 j 12:26	0°♐	
	-3013 Mar 20 j 15:30	0°♑	
	-3013 May 01 j 11:10	0°♒	
	-3013 Jun 17 j 19:59	0°♓	
retrograde	-3013 Aug 22 j 02:45	22°♓04'58	
min. Earth dist.	-3013 Sep 22 j 18:00	15°♓15'28	0.54247 AU
opposition	-3013 Sep 29 j 16:21	12°♓35'36	-2°30'29
greatest brilliancy	-3013 Sep 29 j 02:22	12°♓49'04	-1.9m
direct	-3013 Nov 04 j 02:25	4°♓40'16	
asc. node	-3013 Nov 25 j 04:49	7°♓15'50	
	-3012 Jan 21 j 10:35	0°♈	
	-3012 Mar 16 j 08:49	0°♉	
	-3012 May 05 j 17:09	0°♊	
	-3012 Jun 22 j 11:18	0°♋	
evening set	-3012 Jul 23 j 21:28	20°♋36'49	
	-3012 Aug 06 j 20:00	0°♌	
max. Earth dist.	-3012 Aug 10 j 20:38	2°♌44'25	2.54705 AU
conjunction	-3012 Sep 10 j 19:36	24°♌15'25	0°50'21
minimum elong	-3012 Sep 10 j 21:15	24°♌18'21	0°50'24
	-3012 Sep 18 j 21:23	0°♍	
	-3012 Oct 29 j 22:52	0°♎	
morning rise	-3012 Nov 01 j 15:44	2°♎01'04	
desc. node	-3012 Dec 03 j 22:48	26°♎28'39	
	-3012 Dec 08 j 13:02	0°♏	
	-3011 Jan 16 j 08:18	0°♐	
	-3011 Feb 24 j 04:26	0°♑	
	-3011 Apr 05 j 00:45	0°♒	
	-3011 May 17 j 03:36	0°♓	
	-3011 Jul 02 j 22:15	0°♈	
	-3011 Sep 06 j 14:40	0°♉	
retrograde	-3011 Sep 28 j 19:57	2°♉59'34	
asc. node	-3011 Oct 12 j 05:25	1°♉44'23	
	-3011 Oct 19 j 14:13	30°℞♈	
min. Earth dist.	-3011 Nov 04 j 06:36	24°♈26'26	0.63713 AU
opposition	-3011 Nov 07 j 18:43	23°♈01'52	1°02'38
greatest brilliancy	-3011 Nov 07 j 14:57	23°♈05'39	-1.5m
direct	-3011 Dec 16 j 10:51	13°♈51'56	
	-3010 Feb 14 j 16:54	0°♉	
	-3010 Apr 13 j 21:23	0°♊	
	-3010 Jun 02 j 22:01	0°♋	
	-3010 Jul 18 j 22:52	0°♌	
	-3010 Aug 30 j 23:24	0°♍	
evening set	-3010 Sep 07 j 13:36	5°♍29'05	
max. Earth dist.	-3010 Sep 25 j 15:17	18°♍45'22	2.42476 AU
	-3010 Oct 10 j 15:38	0°♎	
desc. node	-3010 Oct 21 j 21:13	8°♎31'36	
conjunction	-3010 Nov 02 j 17:48	17°♎37'22	-0°08'18
minimum elong	-3010 Nov 02 j 17:12	17°♎36'12	0°08'20
behind sun begin	-3010 Nov 01 j 19:02	16°♎53'33	
behind sun end	-3010 Nov 03 j 15:21	18°♎18'54	
	-3010 Nov 18 j 17:12	0°♏	
	-3010 Dec 26 j 23:56	0°♐	
morning rise	-3009 Jan 05 j 19:04	7°♐41'36	
	-3009 Feb 03 j 08:56	0°♑	
	-3009 Mar 14 j 17:19	0°♒	
	-3009 Apr 24 j 21:33	0°♓	
	-3009 Jun 07 j 20:06	0°♈	
	-3009 Jul 26 j 05:01	0°♉	
asc. node	-3009 Aug 30 j 05:25	18°♉44'46	
	-3009 Sep 25 j 15:52	0°♊	
retrograde	-3009 Nov 02 j 16:14	7°♊35'38	
	-3009 Dec 07 j 08:17	30°℞♉	
opposition	-3009 Dec 12 j 12:31	27°♉56'38	3°27'39
greatest brilliancy	-3009 Dec 12 j 11:41	27°♉57'28	-1.3m
min. Earth dist.	-3009 Dec 12 j 18:41	27°♉50'27	0.67286 AU
direct	-3008 Jan 22 j 03:15	18°♉06'54	
	-3008 Mar 12 j 06:23	0°♊	
	-3008 May 10 j 10:16	0°♋	
	-3008 Jun 27 j 17:08	0°♌	
	-3008 Aug 10 j 09:11	0°♍	
desc. node	-3008 Sep 07 j 19:32	20°♍45'30	
	-3008 Sep 20 j 02:57	0°♎	
	-3008 Oct 29 j 01:07	0°♏	
evening set	-3008 Nov 05 j 00:55	5°♏28'46	
	-3008 Dec 06 j 03:54	0°♐	
conjunction	-3007 Jan 09 j 17:19	27°♐06'44	-1°05'03
minimum elong	-3007 Jan 09 j 15:48	27°♐03'47	1°05'07
	-3007 Jan 13 j 10:32	0°♑	
	-3007 Feb 21 j 17:58	0°♒	
max. Earth dist.	-3007 Feb 27 j 11:14	4°♒16'06	2.41176 AU
morning rise	-3007 Mar 17 j 13:31	17°♒34'54	
	-3007 Apr 03 j 19:27	0°♓	
	-3007 May 17 j 03:43	0°♈	
	-3007 Jul 02 j 05:12	0°♉	
asc. node	-3007 Jul 17 j 04:44	9°♉19'03	
	-3007 Aug 21 j 01:25	0°♊	
	-3007 Oct 19 j 20:29	0°♋	
retrograde	-3007 Dec 07 j 16:46	11°♋26'06	
opposition	-3006 Jan 15 j 08:49	2°♋29'42	4°48'00
greatest brilliancy	-3006 Jan 15 j 23:33	2°♋15'17	-1.4m

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

min. Earth dist.	-3006 Jan 19 j 11:05	0°♋53'35	0.64431 AU
	-3006 Jan 21 j 18:36	30°℞♊	
direct	-3006 Feb 25 j 13:37	22°♊28'59	
	-3006 Apr 04 j 07:11	0°♋	
	-3006 Jun 03 j 13:21	0°♌	
	-3006 Jul 19 j 19:31	0°♍	
desc. node	-3006 Jul 26 j 17:24	4°♍49'05	
	-3006 Aug 30 j 09:51	0°♎	
	-3006 Oct 08 j 16:07	0°♏	
	-3006 Nov 15 j 23:55	0°♐	
	-3006 Dec 24 j 12:10	0°♑	
evening set	-3005 Jan 13 j 05:22	15°♑04'36	
	-3005 Feb 02 j 02:37	0°♒	
conjunction	-3005 Mar 15 j 06:03	29°♒51'15	-0°44'40
minimum elong	-3005 Mar 15 j 08:15	29°♒55'08	0°44'41
	-3005 Mar 15 j 11:00	0°♓	
max. Earth dist.	-3005 Apr 19 j 17:35	24°♓28'29	2.54115 AU
	-3005 Apr 27 j 21:28	0°♈	
morning rise	-3005 May 10 j 07:03	8°♈18'23	
asc. node	-3005 Jun 04 j 03:52	24°♈39'13	
	-3005 Jun 12 j 10:08	0°♉	
	-3005 Jul 29 j 23:13	0°♊	
	-3005 Sep 18 j 00:38	0°♋	
	-3005 Nov 13 j 04:40	0°♌	
retrograde	-3004 Jan 19 j 12:07	19°♌29'56	
opposition	-3004 Feb 24 j 17:57	11°♌44'16	4°34'58
greatest brilliancy	-3004 Feb 25 j 23:59	11°♌16'38	-1.8m
min. Earth dist.	-3004 Mar 03 j 07:47	8°♌57'33	0.55312 AU
direct	-3004 Apr 04 j 13:29	2°♌21'28	
desc. node	-3004 Jun 12 j 17:16	25°♌39'40	
	-3004 Jun 20 j 06:31	0°♍	
	-3004 Aug 05 j 03:31	0°♎	
	-3004 Sep 15 j 01:40	0°♏	
	-3004 Oct 24 j 08:57	0°♐	
	-3004 Dec 02 j 16:18	0°♑	
	-3003 Jan 12 j 00:45	0°♒	
	-3003 Feb 23 j 01:43	0°♓	
evening set	-3003 Mar 10 j 03:46	10°♓26'26	
	-3003 Apr 08 j 00:52	0°♈	
asc. node	-3003 Apr 21 j 00:58	8°♈38'42	
conjunction	-3003 May 01 j 19:48	15°♈44'43	0°06'15
minimum elong	-3003 May 01 j 19:32	15°♈44'17	0°06'17
behind sun begin	-3003 May 01 j 00:02	15°♈12'19	
behind sun end	-3003 May 02 j 15:01	16°♈16'13	
max. Earth dist.	-3003 May 17 j 23:57	26°♈17'45	2.63262 AU
	-3003 May 23 j 17:11	0°♉	
morning rise	-3003 Jun 19 j 15:04	17°♉17'03	
	-3003 Jul 09 j 15:05	0°♊	
	-3003 Aug 26 j 07:53	0°♋	
	-3003 Oct 13 j 21:18	0°♌	
	-3003 Dec 03 j 15:14	0°♍	
	-3002 Feb 01 j 14:00	0°♎	
retrograde	-3002 Mar 19 j 04:27	10°♎24'15	
opposition	-3002 Apr 20 j 07:33	4°♎34'28	0°40'55
greatest brilliancy	-3002 Apr 20 j 13:21	4°♎30'03	-2.6m
min. Earth dist.	-3002 Apr 27 j 18:16	2°♎18'34	0.42463 AU
desc. node	-3002 Apr 30 j 17:36	1°♎26'50	
	-3002 May 06 j 06:28	30°℞♍	
direct	-3002 May 25 j 02:02	27°♍39'24	
	-3002 Jun 12 j 19:15	0°♎	
	-3002 Aug 14 j 05:54	0°♏	
	-3002 Sep 27 j 17:05	0°♐	
	-3002 Nov 08 j 21:10	0°♑	
	-3002 Dec 21 j 06:25	0°♒	
	-3001 Feb 02 j 20:11	0°♓	
asc. node	-3001 Mar 08 j 22:18	22°♓46'38	
	-3001 Mar 19 j 21:56	0°♈	
evening set	-3001 Apr 23 j 17:59	22°♈36'45	
	-3001 May 05 j 05:55	0°♉	
conjunction	-3001 Jun 10 j 19:15	23°♉21'13	0°48'06
minimum elong	-3001 Jun 10 j 17:58	23°♉19'10	0°48'11
max. Earth dist.	-3001 Jun 11 j 15:25	23°♉53'22	2.67092 AU
	-3001 Jun 21 j 05:27	0°♊	
morning rise	-3001 Jul 26 j 07:55	22°♊25'16	
	-3001 Aug 07 j 03:29	0°♋	
	-3001 Sep 22 j 12:16	0°♌	
	-3001 Nov 07 j 05:52	0°♍	
	-3001 Dec 22 j 15:12	0°♎	
	-3000 Feb 06 j 11:18	0°♏	
desc. node	-3000 Mar 17 j 17:43	24°♏59'55	
	-3000 Mar 26 j 10:05	0°♐	
retrograde	-3000 Jun 05 j 11:38	25°♐03'27	
min. Earth dist.	-3000 Jul 02 j 22:07	20°♐34'48	0.38436 AU
greatest brilliancy	-3000 Jul 06 j 04:25	19°♐40'12	-2.9m
opposition	-3000 Jul 07 j 02:51	19°♐24'29	-6°26'10
direct	-3000 Aug 05 j 23:59	14°♐19'12	
	-3000 Sep 29 j 19:10	0°♑	
	-3000 Nov 22 j 12:00	0°♒	
	-2999 Jan 09 j 20:52	0°♓	
asc. node	-2999 Jan 23 j 21:33	8°♓49'17	
	-2999 Feb 26 j 13:21	0°♈	
	-2999 Apr 15 j 08:10	0°♉	
evening set	-2999 May 31 j 19:25	29°♉16'16	
	-2999 Jun 01 j 23:01	0°♊	
max. Earth dist.	-2999 Jul 04 j 04:09	20°♊33'23	2.65499 AU
conjunction	-2999 Jul 17 j 04:56	28°♊58'07	1°09'31
minimum elong	-2999 Jul 17 j 04:27	28°♊57'20	1°09'36
	-2999 Jul 18 j 19:07	0°♋	
morning rise	-2999 Aug 31 j 12:42	28°♋48'15	
	-2999 Sep 02 j 07:33	0°♌	
	-2999 Oct 16 j 07:16	0°♍	
	-2999 Nov 27 j 20:12	0°♎	
	-2998 Jan 08 j 05:59	0°♏	
desc. node	-2998 Feb 02 j 17:30	18°♏42'36	
	-2998 Feb 18 j 01:47	0°♐	
	-2998 Mar 31 j 09:21	0°♑	
	-2998 May 14 j 16:08	0°♒	
	-2998 Jul 15 j 19:47	0°♓	
retrograde	-2998 Aug 04 j 09:38	2°♓35'34	
	-2998 Aug 23 j 04:55	30°℞♒	
min. Earth dist.	-2998 Sep 02 j 20:41	26°♒37'26	0.49375 AU
opposition	-2998 Sep 10 j 17:16	23°♒45'18	-4°09'29
greatest brilliancy	-2998 Sep 09 j 15:42	24°♒08'45	-2.2m
direct	-2998 Oct 14 j 13:03	16°♒33'08	
	-2998 Dec 05 j 18:26	0°♓	
asc. node	-2998 Dec 11 j 20:55	2°♓42'37	
	-2997 Feb 02 j 09:38	0°♈	
	-2997 Mar 25 j 21:56	0°♉	
	-2997 May 14 j 02:52	0°♊	
	-2997 Jun 30 j 11:13	0°♋	
evening set	-2997 Jul 09 j 04:25	5°♋39'55	
max. Earth dist.	-2997 Jul 30 j 18:31	19°♋54'21	2.58681 AU
	-2997 Aug 14 j 18:46	0°♌	
conjunction	-2997 Aug 25 j 16:43	7°♌26'26	1°02'40
minimum elong	-2997 Aug 25 j 17:55	7°♌28'30	1°02'43
	-2997 Sep 27 j 00:17	0°♍	
morning rise	-2997 Oct 13 j 14:04	11°♍52'33	
	-2997 Nov 07 j 08:49	0°♎	
	-2997 Dec 17 j 07:20	0°♏	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

desc. node	-2997 Dec 21 j 16:30	3°♏20'18	
	-2996 Jan 25 j 10:49	0°♐	
	-2996 Mar 04 j 14:54	0°♑	
	-2996 Apr 13 j 21:37	0°♒	
	-2996 May 26 j 23:03	0°♓	
	-2996 Jul 16 j 06:36	0°♈	
retrograde	-2996 Sep 14 j 14:08	18°♈26'00	
min. Earth dist.	-2996 Oct 19 j 07:19	10°♈28'50	0.60655 AU
opposition	-2996 Oct 24 j 05:44	8°♈30'46	-0°11'28
greatest brilliancy	-2996 Oct 24 j 05:02	8°♈31'28	-1.7m
asc. node	-2996 Oct 28 j 20:03	6°♈42'42	
	-2996 Nov 24 j 13:59	30°℞♓	
direct	-2996 Nov 30 j 19:19	29°♓44'54	
	-2996 Dec 07 j 05:05	0°♈	
	-2995 Feb 27 j 21:20	0°♉	
	-2995 Apr 22 j 13:48	0°♊	
	-2995 Jun 10 j 10:46	0°♋	
	-2995 Jul 26 j 03:12	0°♌	
evening set	-2995 Aug 19 j 14:30	16°♌51'45	
max. Earth dist.	-2995 Sep 03 j 20:51	27°♌39'48	2.47432 AU
	-2995 Sep 07 j 03:09	0°♍	
conjunction	-2995 Oct 11 j 05:36	24°♍59'05	0°18'36
minimum elong	-2995 Oct 11 j 06:41	25°♍01'07	0°18'36
	-2995 Oct 17 j 22:12	0°♎	
desc. node	-2995 Nov 07 j 14:07	15°♎41'05	
	-2995 Nov 26 j 03:56	0°♏	
morning rise	-2995 Dec 08 j 23:19	9°♏57'28	
	-2994 Jan 03 j 14:39	0°♐	
	-2994 Feb 11 j 02:42	0°♑	
	-2994 Mar 22 j 13:42	0°♒	
	-2994 May 02 j 22:32	0°♓	
	-2994 Jun 16 j 11:19	0°♈	
	-2994 Aug 06 j 04:11	0°♉	
asc. node	-2994 Sep 15 j 20:29	18°♉12'08	
retrograde	-2994 Oct 20 j 06:04	24°♉40'24	
min. Earth dist.	-2994 Nov 28 j 00:57	15°♉20'40	0.66647 AU
opposition	-2994 Nov 29 j 06:44	14°♉50'41	2°39'03
greatest brilliancy	-2994 Nov 29 j 02:39	14°♉54'48	-1.4m
direct	-2993 Jan 08 j 07:12	5°♉13'15	
	-2993 Mar 27 j 18:44	0°♊	
	-2993 May 20 j 11:37	0°♋	
	-2993 Jul 06 j 14:18	0°♌	
	-2993 Aug 18 j 22:08	0°♍	
desc. node	-2993 Sep 25 j 12:54	27°♍41'47	
	-2993 Sep 28 j 14:06	0°♎	
evening set	-2993 Oct 11 j 19:57	10°♎05'20	
	-2993 Nov 06 j 12:40	0°♏	
conjunction	-2993 Dec 13 j 15:07	29°♏10'47	-0°50'04
minimum elong	-2993 Dec 13 j 11:56	29°♏04'32	0°50'07
	-2993 Dec 14 j 16:05	0°♐	
max. Earth dist.	-2993 Dec 24 j 11:24	7°♐43'31	2.37512 AU
	-2992 Jan 21 j 22:34	0°♑	
morning rise	-2992 Feb 20 j 06:02	22°♑29'46	
	-2992 Mar 01 j 05:08	0°♒	
	-2992 Apr 11 j 05:56	0°♓	
	-2992 May 24 j 16:25	0°♈	
	-2992 Jul 10 j 06:25	0°♉	
asc. node	-2992 Aug 02 j 20:09	14°♉10'27	
	-2992 Aug 31 j 04:30	0°♊	
retrograde	-2992 Nov 23 j 05:59	28°♊16'02	
opposition	-2991 Jan 01 j 12:18	19°♊00'09	4°25'05
greatest brilliancy	-2991 Jan 01 j 20:01	18°♊52'30	-1.3m
min. Earth dist.	-2991 Jan 04 j 02:17	17°♊58'45	0.66341 AU
direct	-2991 Feb 11 j 16:03	8°♊59'46	
	-2991 Apr 22 j 00:47	0°♋	
	-2991 Jun 13 j 12:54	0°♌	
	-2991 Jul 28 j 09:15	0°♍	
desc. node	-2991 Aug 12 j 11:53	10°♍47'01	
	-2991 Sep 07 j 12:23	0°♎	
	-2991 Oct 16 j 13:46	0°♏	
	-2991 Nov 23 j 18:11	0°♐	
evening set	-2991 Dec 17 j 17:42	18°♐49'07	
	-2990 Jan 01 j 02:42	0°♑	
	-2990 Feb 09 j 12:54	0°♒	
conjunction	-2990 Feb 20 j 05:42	7°♒56'14	-1°00'09
minimum elong	-2990 Feb 20 j 07:51	8°♒00'11	1°00'13
	-2990 Mar 22 j 17:00	0°♓	
max. Earth dist.	-2990 Apr 04 j 22:55	9°♓20'23	2.49279 AU
morning rise	-2990 Apr 21 j 11:25	20°♓46'52	
	-2990 May 05 j 00:41	0°♈	
	-2990 Jun 19 j 15:16	0°♉	
asc. node	-2990 Jun 20 j 18:16	0°♉43'16	
	-2990 Aug 06 j 17:49	0°♊	
	-2990 Sep 27 j 18:32	0°♋	
	-2990 Dec 05 j 08:10	0°♌	
retrograde	-2989 Jan 01 j 14:15	3°♌59'53	
	-2989 Jan 26 j 17:02	30°℞♋	
opposition	-2989 Feb 07 j 23:11	25°♋42'00	4°55'32
greatest brilliancy	-2989 Feb 09 j 00:38	25°♋17'49	-1.6m
min. Earth dist.	-2989 Feb 14 j 06:48	23°♋18'15	0.59583 AU
direct	-2989 Mar 20 j 15:06	15°♋55'44	
	-2989 May 12 j 02:59	0°♌	
desc. node	-2989 Jun 30 j 10:03	27°♌47'31	
	-2989 Jul 03 j 20:11	0°♍	
	-2989 Aug 16 j 03:38	0°♎	
	-2989 Sep 25 j 03:29	0°♏	
	-2989 Nov 02 j 22:00	0°♐	
	-2989 Dec 11 j 19:03	0°♑	
	-2988 Jan 20 j 18:04	0°♒	
evening set	-2988 Feb 18 j 19:43	21°♒04'05	
	-2988 Mar 02 j 10:26	0°♓	
conjunction	-2988 Apr 14 j 08:44	29°♓29'50	-0°13'36
minimum elong	-2988 Apr 14 j 09:24	29°♓30'57	0°13'35
behind sun begin	-2988 Apr 13 j 22:02	29°♓11'52	
behind sun end	-2988 Apr 14 j 20:46	29°♓50'02	
	-2988 Apr 15 j 02:42	0°♈	
asc. node	-2988 May 07 j 16:54	15°♈01'23	
max. Earth dist.	-2988 May 07 j 15:17	14°♈58'44	2.60264 AU
	-2988 May 30 j 15:39	0°♉	
morning rise	-2988 Jun 04 j 11:07	3°♉06'31	
	-2988 Jul 16 j 16:35	0°♊	
	-2988 Sep 03 j 00:15	0°♋	
	-2988 Oct 23 j 06:57	0°♌	
	-2988 Dec 18 j 14:16	0°♍	
retrograde	-2987 Feb 20 j 23:03	18°♍22'25	
opposition	-2987 Mar 26 j 23:03	11°♍42'21	2°53'09
greatest brilliancy	-2987 Mar 27 j 23:09	11°♍22'09	-2.3m
min. Earth dist.	-2987 Apr 04 j 12:01	8°♍51'29	0.47461 AU
direct	-2987 May 03 j 06:33	3°♍33'16	
desc. node	-2987 May 17 j 09:13	4°♍52'32	
	-2987 Jul 14 j 14:04	0°♎	
	-2987 Aug 28 j 19:43	0°♏	
	-2987 Oct 09 j 00:44	0°♐	
	-2987 Nov 18 j 13:36	0°♑	
	-2987 Dec 29 j 20:53	0°♒	
	-2986 Feb 10 j 16:02	0°♓	
asc. node	-2986 Mar 25 j 14:59	28°♓57'47	
	-2986 Mar 27 j 04:35	0°♈	
evening set	-2986 Apr 07 j 08:49	7°♈22'01	
	-2986 May 12 j 04:27	0°♉	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

conjunction	-2986 May 26 j 20:13	9°♉25'06	0°33'52
minimum elong	-2986 May 26 j 19:04	9°♉23'15	0°33'56
max. Earth dist.	-2986 Jun 02 j 08:44	13°♉35'44	2.66229 AU
	-2986 Jun 28 j 01:35	0°♊	
morning rise	-2986 Jul 12 j 06:41	9°♊03'04	
	-2986 Aug 14 j 04:18	0°♋	
	-2986 Sep 30 j 03:58	0°♌	
	-2986 Nov 16 j 04:09	0°♍	
	-2985 Jan 03 j 01:00	0°♎	
	-2985 Feb 23 j 15:59	0°♏	
desc. node	-2985 Apr 04 j 10:24	17°♏57'36	
retrograde	-2985 May 06 j 16:02	23°♏55'05	
opposition	-2985 Jun 06 j 00:24	18°♏53'59	-4°20'57
greatest brilliancy	-2985 Jun 06 j 01:56	18°♏52'58	-2.9m
min. Earth dist.	-2985 Jun 07 j 01:29	18°♏37'22	0.37751 AU
direct	-2985 Jul 06 j 08:44	13°♏46'38	
	-2985 Aug 30 j 02:20	0°♐	
	-2985 Oct 20 j 08:12	0°♑	
	-2985 Dec 05 j 10:37	0°♒	
	-2984 Jan 20 j 02:43	0°♓	
asc. node	-2984 Feb 10 j 12:45	13°♓55'51	
	-2984 Mar 06 j 11:01	0°♈	
	-2984 Apr 22 j 12:43	0°♉	
evening set	-2984 May 16 j 22:25	15°♉28'11	
	-2984 Jun 08 j 19:47	0°♊	
max. Earth dist.	-2984 Jun 24 j 22:25	10°♊16'10	2.66756 AU
conjunction	-2984 Jul 02 j 16:08	15°♊13'10	1°04'06
minimum elong	-2984 Jul 02 j 15:10	15°♊11'38	1°04'11
	-2984 Jul 25 j 15:06	0°♋	
morning rise	-2984 Aug 16 j 17:08	14°♋22'43	
	-2984 Sep 09 j 09:27	0°♌	
	-2984 Oct 23 j 21:47	0°♍	
	-2984 Dec 06 j 06:02	0°♎	
	-2983 Jan 17 j 17:56	0°♏	
desc. node	-2983 Feb 19 j 10:02	23°♏11'55	
	-2983 Mar 01 j 01:10	0°♐	
	-2983 Apr 13 j 21:04	0°♑	
	-2983 Jun 05 j 15:56	0°♒	
retrograde	-2983 Jul 15 j 02:23	9°♒38'21	
min. Earth dist.	-2983 Aug 11 j 12:15	4°♒33'31	0.44347 AU
greatest brilliancy	-2983 Aug 18 j 01:37	2°♒22'13	-2.5m
opposition	-2983 Aug 19 j 12:36	1°♒52'46	-5°44'02
	-2983 Aug 25 j 06:59	30°℞♑	
direct	-2983 Sep 20 j 13:49	25°♑33'06	
	-2983 Oct 18 j 02:16	0°♒	
	-2983 Dec 22 j 11:47	0°♓	
asc. node	-2983 Dec 28 j 12:08	3°♓20'54	
	-2982 Feb 12 j 07:27	0°♈	
	-2982 Apr 02 j 21:00	0°♉	
	-2982 May 21 j 07:19	0°♊	
evening set	-2982 Jun 24 j 01:08	21°♊23'56	
	-2982 Jul 07 j 09:13	0°♋	
max. Earth dist.	-2982 Jul 19 j 18:49	8°♋04'58	2.61947 AU
conjunction	-2982 Aug 09 j 17:53	21°♋56'51	1°09'16
minimum elong	-2982 Aug 09 j 18:25	21°♋57'45	1°09'20
	-2982 Aug 21 j 17:32	0°♌	
morning rise	-2982 Sep 25 j 16:07	24°♌00'57	
	-2982 Oct 04 j 04:42	0°♍	
	-2982 Nov 14 j 22:09	0°♎	
	-2982 Dec 25 j 07:18	0°♏	
desc. node	-2981 Jan 07 j 09:15	9°♏52'06	
	-2981 Feb 02 j 22:07	0°♐	
	-2981 Mar 14 j 14:36	0°♑	
	-2981 Apr 24 j 16:00	0°♒	
	-2981 Jun 08 j 16:14	0°♓	
	-2981 Aug 11 j 23:15	0°♈	
retrograde	-2981 Aug 31 j 09:15	2°♈27'35	
	-2981 Sep 18 j 19:48	30°℞♓	
min. Earth dist.	-2981 Oct 03 j 04:21	25°♓12'10	0.56748 AU
opposition	-2981 Oct 09 j 10:49	22°♓44'59	-1°36'43
greatest brilliancy	-2981 Oct 09 j 02:36	22°♓53'01	-1.8m
direct	-2981 Nov 14 j 16:37	14°♓29'33	
asc. node	-2981 Nov 15 j 11:31	14°♓29'48	
	-2980 Jan 11 j 17:46	0°♈	
	-2980 Mar 10 j 07:13	0°♉	
	-2980 Apr 30 j 14:40	0°♊	
	-2980 Jun 17 j 17:35	0°♋	
evening set	-2980 Aug 02 j 05:06	29°♋59'41	
	-2980 Aug 02 j 05:17	0°♌	
max. Earth dist.	-2980 Aug 18 j 15:57	11°♌16'03	2.52268 AU
	-2980 Sep 14 j 06:41	0°♍	
conjunction	-2980 Sep 21 j 05:00	4°♍58'42	0°40'34
minimum elong	-2980 Sep 21 j 06:41	5°♍01'44	0°40'35
	-2980 Oct 25 j 06:06	0°♎	
morning rise	-2980 Nov 14 j 04:24	15°♎02'15	
desc. node	-2980 Nov 24 j 08:49	22°♎48'59	
	-2980 Dec 03 j 17:09	0°♏	
	-2979 Jan 11 j 08:54	0°♐	
	-2979 Feb 19 j 01:06	0°♑	
	-2979 Mar 30 j 16:24	0°♒	
	-2979 May 11 j 09:45	0°♓	
	-2979 Jun 26 j 00:25	0°♈	
	-2979 Aug 21 j 02:08	0°♉	
asc. node	-2979 Oct 02 j 10:49	11°♉15'32	
retrograde	-2979 Oct 06 j 18:04	11°♉22'50	
min. Earth dist.	-2979 Nov 13 j 01:45	2°♉32'09	0.65036 AU
opposition	-2979 Nov 15 j 19:01	1°♉26'26	1°41'02
greatest brilliancy	-2979 Nov 15 j 14:12	1°♉31'18	-1.4m
	-2979 Nov 19 j 09:39	30°℞♈	
direct	-2979 Dec 25 j 00:18	22°♈05'26	
	-2978 Feb 02 j 18:54	0°♉	
	-2978 Apr 07 j 15:36	0°♊	
	-2978 May 28 j 17:32	0°♋	
	-2978 Jul 14 j 02:59	0°♌	
	-2978 Aug 26 j 06:30	0°♍	
evening set	-2978 Sep 19 j 05:17	17°♍28'27	
	-2978 Oct 05 j 23:01	0°♎	
desc. node	-2978 Oct 12 j 06:49	4°♎47'33	
max. Earth dist.	-2978 Oct 13 j 10:20	5°♎39'52	2.39960 AU
	-2978 Nov 13 j 23:46	0°♏	
conjunction	-2978 Nov 16 j 16:35	2°♏06'23	-0°24'26
minimum elong	-2978 Nov 16 j 14:43	2°♏02'44	0°24'27
	-2978 Dec 22 j 05:17	0°♐	
morning rise	-2977 Jan 22 j 05:55	24°♐19'44	
	-2977 Jan 29 j 12:52	0°♑	
	-2977 Mar 09 j 19:35	0°♒	
	-2977 Apr 19 j 21:04	0°♓	
	-2977 Jun 02 j 12:32	0°♈	
	-2977 Jul 19 j 23:40	0°♉	
asc. node	-2977 Aug 20 j 11:02	17°♉51'04	
	-2977 Sep 14 j 00:13	0°♊	
retrograde	-2977 Nov 10 j 10:41	15°♊24'53	
opposition	-2977 Dec 20 j 03:18	5°♊53'03	3°51'37
greatest brilliancy	-2977 Dec 20 j 05:03	5°♊51'17	-1.3m
min. Earth dist.	-2977 Dec 21 j 04:55	5°♊27'27	0.67230 AU
	-2976 Jan 05 j 00:44	30°℞♉	
direct	-2976 Jan 30 j 00:26	25°♉58'19	
	-2976 Feb 26 j 07:38	0°♊	
	-2976 May 03 j 21:39	0°♋	
	-2976 Jun 22 j 08:16	0°♌	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

	-2976 Aug 05 j 09:24	0°♍	
desc. node	-2976 Aug 29 j 04:38	17°♍15'01	
	-2976 Sep 15 j 06:20	0°♎	
	-2976 Oct 24 j 05:33	0°♏	
evening set	-2976 Nov 20 j 05:11	21°♏12'35	
	-2976 Dec 01 j 08:43	0°♐	
	-2975 Jan 08 j 15:31	0°♑	
conjunction	-2975 Jan 25 j 07:23	12°♑50'34	-1°07'01
minimum elong	-2975 Jan 25 j 07:32	12°♑50'52	1°07'06
	-2975 Feb 16 j 23:11	0°♒	
max. Earth dist.	-2975 Mar 15 j 14:07	19°♒37'15	2.44041 AU
	-2975 Mar 30 j 00:38	0°♓	
morning rise	-2975 Mar 31 j 00:36	0°♓42'40	
	-2975 May 12 j 07:11	0°♈	
	-2975 Jun 27 j 02:34	0°♉	
asc. node	-2975 Jul 07 j 11:07	6°♉32'05	
	-2975 Aug 15 j 02:30	0°♊	
	-2975 Oct 09 j 17:39	0°♋	
retrograde	-2975 Dec 16 j 09:13	19°♋41'58	
opposition	-2974 Jan 23 j 15:42	10°♋57'46	4°55'08
greatest brilliancy	-2974 Jan 24 j 10:23	10°♋39'39	-1.5m
min. Earth dist.	-2974 Jan 28 j 13:07	9°♋03'57	0.62980 AU
direct	-2974 Mar 05 j 18:16	0°♋59'47	
	-2974 May 27 j 05:49	0°♌	
	-2974 Jul 14 j 00:18	0°♍	
desc. node	-2974 Jul 17 j 03:21	2°♍08'00	
	-2974 Aug 25 j 02:21	0°♎	
	-2974 Oct 03 j 13:41	0°♏	
	-2974 Nov 11 j 00:25	0°♐	
	-2974 Dec 19 j 14:42	0°♑	
evening set	-2973 Jan 27 j 04:13	29°♑10'19	
	-2973 Jan 28 j 07:01	0°♒	
	-2973 Mar 10 j 17:08	0°♓	
conjunction	-2973 Mar 27 j 03:37	11°♓30'51	-0°33'44
minimum elong	-2973 Mar 27 j 05:21	11°♓33'52	0°33'45
	-2973 Apr 23 j 04:27	0°♈	
max. Earth dist.	-2973 Apr 27 j 04:35	2°♈41'38	2.56513 AU
morning rise	-2973 May 20 j 05:02	17°♈58'31	
asc. node	-2973 May 25 j 09:00	21°♈21'33	
	-2973 Jun 07 j 16:04	0°♉	
	-2973 Jul 24 j 22:57	0°♊	
	-2973 Sep 12 j 04:58	0°♋	
	-2973 Nov 04 j 09:37	0°♌	
retrograde	-2972 Jan 30 j 17:47	29°♌35'49	
opposition	-2972 Mar 06 j 06:47	22°♌11'02	4°09'18
greatest brilliancy	-2972 Mar 07 j 13:00	21°♌43'56	-2.0m
min. Earth dist.	-2972 Mar 14 j 09:42	19°♌17'12	0.52645 AU
direct	-2972 Apr 14 j 09:39	13°♌08'44	
desc. node	-2972 Jun 03 j 02:24	26°♌40'23	
	-2972 Jun 09 j 19:32	0°♍	
	-2972 Jul 29 j 02:06	0°♎	
	-2972 Sep 08 j 23:35	0°♏	
	-2972 Oct 18 j 18:41	0°♐	
	-2972 Nov 27 j 09:44	0°♑	
	-2971 Jan 07 j 00:03	0°♒	
	-2971 Feb 18 j 05:42	0°♓	
evening set	-2971 Mar 20 j 19:26	20°♓55'40	
	-2971 Apr 03 j 08:06	0°♈	
asc. node	-2971 Apr 11 j 06:51	5°♈16'52	
conjunction	-2971 May 11 j 04:29	24°♈52'52	0°17'00
minimum elong	-2971 May 11 j 03:47	24°♈51'44	0°17'01
	-2971 May 19 j 02:07	0°♉	
max. Earth dist.	-2971 May 23 j 18:09	3°♉00'53	2.64546 AU
morning rise	-2971 Jun 27 j 23:59	25°♉34'47	
	-2971 Jul 04 j 22:52	0°♊	
	-2971 Aug 21 j 09:21	0°♋	
	-2971 Oct 08 j 06:19	0°♌	
	-2971 Nov 26 j 06:03	0°♍	
	-2970 Jan 18 j 04:37	0°♎	
retrograde	-2970 Apr 04 j 20:31	25°♎12'10	
desc. node	-2970 Apr 21 j 02:09	23°♎34'34	
opposition	-2970 May 06 j 02:05	19°♎48'07	-1°02'25
greatest brilliancy	-2970 May 06 j 07:06	19°♎44'30	-2.8m
min. Earth dist.	-2970 May 11 j 20:18	18°♎08'44	0.40142 AU
direct	-2970 Jun 08 j 03:28	13°♎38'32	
	-2970 Aug 01 j 00:40	0°♏	
	-2970 Sep 19 j 08:09	0°♐	
	-2970 Nov 02 j 04:33	0°♑	
	-2970 Dec 15 j 11:24	0°♒	
	-2969 Jan 28 j 14:48	0°♓	
asc. node	-2969 Feb 27 j 05:06	19°♓38'30	
	-2969 Mar 15 j 01:01	0°♈	
	-2969 Apr 30 j 14:03	0°♉	
evening set	-2969 May 02 j 16:59	1°♉21'25	
	-2969 Jun 16 j 15:37	0°♊	
max. Earth dist.	-2969 Jun 16 j 23:14	0°♊12'09	2.67211 AU
conjunction	-2969 Jun 19 j 04:02	1°♊36'17	0°54'56
minimum elong	-2969 Jun 19 j 02:48	1°♊34'18	0°55'01
	-2969 Aug 02 j 12:17	0°♋	
morning rise	-2969 Aug 03 j 09:22	0°♋33'58	
	-2969 Sep 17 j 15:31	0°♌	
	-2969 Nov 01 j 21:11	0°♍	
	-2969 Dec 16 j 09:21	0°♎	
	-2968 Jan 29 j 15:26	0°♏	
desc. node	-2968 Mar 08 j 04:00	25°♏38'28	
	-2968 Mar 14 j 21:53	0°♐	
	-2968 May 05 j 23:28	0°♑	
retrograde	-2968 Jun 21 j 01:33	12°♑29'52	
min. Earth dist.	-2968 Jul 17 j 17:09	8°♑01'23	0.40023 AU
greatest brilliancy	-2968 Jul 22 j 16:44	6°♑32'40	-2.7m
opposition	-2968 Jul 24 j 01:37	6°♑08'09	-6°38'19
direct	-2968 Aug 23 j 08:39	0°♑42'09	
	-2968 Nov 13 j 05:10	0°♒	
	-2967 Jan 03 j 08:36	0°♓	
asc. node	-2967 Jan 14 j 03:12	6°♓34'37	
	-2967 Feb 21 j 03:06	0°♈	
	-2967 Apr 10 j 10:35	0°♉	
	-2967 May 28 j 07:33	0°♊	
evening set	-2967 Jun 09 j 06:23	7°♊34'17	
max. Earth dist.	-2967 Jul 09 j 18:16	27°♊06'25	2.64462 AU
	-2967 Jul 14 j 05:29	0°♋	
conjunction	-2967 Jul 25 j 15:14	7°♋25'40	1°10'44
minimum elong	-2967 Jul 25 j 15:06	7°♋25'26	1°10'50
	-2967 Aug 28 j 16:35	0°♌	
morning rise	-2967 Sep 09 j 08:09	7°♌52'07	
	-2967 Oct 11 j 11:46	0°♍	
	-2967 Nov 22 j 17:28	0°♎	
	-2966 Jan 02 j 17:26	0°♏	
desc. node	-2966 Jan 24 j 03:18	15°♏54'19	
	-2966 Feb 12 j 00:55	0°♐	
	-2966 Mar 24 j 13:53	0°♑	
	-2966 May 06 j 03:37	0°♒	
	-2966 Jun 25 j 08:57	0°♓	
retrograde	-2966 Aug 14 j 17:55	14°♓26'55	
min. Earth dist.	-2966 Sep 14 j 10:16	7°♓59'50	0.52100 AU
opposition	-2966 Sep 21 j 20:02	5°♓12'10	-3°12'14
greatest brilliancy	-2966 Sep 21 j 01:05	5°♓30'05	-2.1m
	-2966 Oct 07 j 16:56	30°℞♒	
direct	-2966 Oct 26 j 12:54	27°♒35'11	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

	-2966 Nov 15 j 18:19	0°♓	
asc. node	-2966 Dec 02 j 02:08	4°♓44'29	
	-2965 Jan 26 j 02:21	0°♈	
	-2965 Mar 20 j 08:40	0°♉	
	-2965 May 09 j 04:56	0°♊	
	-2965 Jun 25 j 19:26	0°♋	
evening set	-2965 Jul 18 j 01:44	14°♋31'47	
max. Earth dist.	-2965 Aug 06 j 12:36	27°♋31'01	2.56572 AU
	-2965 Aug 10 j 04:41	0°♌	
conjunction	-2965 Sep 04 j 06:29	17°♌14'30	0°56'19
minimum elong	-2965 Sep 04 j 07:59	17°♌17'07	0°56'21
	-2965 Sep 22 j 08:55	0°♍	
morning rise	-2965 Oct 24 j 15:36	23°♍22'56	
	-2965 Nov 02 j 14:21	0°♎	
desc. node	-2965 Dec 12 j 01:31	29°♎46'26	
	-2965 Dec 12 j 08:37	0°♏	
	-2964 Jan 20 j 07:36	0°♐	
	-2964 Feb 28 j 06:40	0°♑	
	-2964 Apr 08 j 05:57	0°♒	
	-2964 May 20 j 15:15	0°♓	
	-2964 Jul 07 j 09:33	0°♈	
retrograde	-2964 Sep 22 j 20:08	27°♈20'32	
asc. node	-2964 Oct 19 j 02:28	22°♈36'07	
min. Earth dist.	-2964 Oct 28 j 12:40	19°♈03'20	0.62450 AU
opposition	-2964 Nov 01 j 16:51	17°♈22'58	0°32'52
greatest brilliancy	-2964 Nov 01 j 14:33	17°♈25'16	-1.6m
direct	-2964 Dec 09 j 21:53	8°♈23'15	
	-2963 Feb 19 j 22:11	0°♉	
	-2963 Apr 16 j 22:30	0°♊	
	-2963 Jun 05 j 11:44	0°♋	
	-2963 Jul 21 j 10:14	0°♌	
evening set	-2963 Aug 30 j 03:12	27°♌35'47	
	-2963 Sep 02 j 11:48	0°♍	
max. Earth dist.	-2963 Sep 15 j 01:05	9°♍04'50	2.44684 AU
	-2963 Oct 13 j 06:15	0°♎	
conjunction	-2963 Oct 23 j 14:19	7°♎49'27	0°03'47
minimum elong	-2963 Oct 23 j 14:34	7°♎49'56	0°03'47
behind sun begin	-2963 Oct 22 j 14:36	7°♎04'25	
behind sun end	-2963 Oct 24 j 14:32	8°♎35'30	
desc. node	-2963 Oct 28 j 23:59	11°♎56'33	
	-2963 Nov 21 j 10:05	0°♏	
morning rise	-2963 Dec 24 j 07:11	25°♏42'11	
	-2963 Dec 29 j 18:38	0°♐	
	-2962 Feb 06 j 04:30	0°♑	
	-2962 Mar 17 j 12:55	0°♒	
	-2962 Apr 27 j 17:34	0°♓	
	-2962 Jun 10 j 19:15	0°♈	
	-2962 Jul 29 j 20:23	0°♉	
asc. node	-2962 Sep 06 j 02:52	19°♉23'33	
	-2962 Oct 06 j 22:15	0°♊	
retrograde	-2962 Oct 27 j 23:17	2°♊34'37	
	-2962 Nov 16 j 13:58	30°℞♉	
opposition	-2962 Dec 06 j 22:08	22°♉50'22	3°08'29
min. Earth dist.	-2962 Dec 06 j 11:47	23°♉00'46	0.67123 AU
greatest brilliancy	-2962 Dec 06 j 19:32	22°♉52'58	-1.3m
direct	-2961 Jan 16 j 07:19	13°♉05'47	
	-2961 Mar 19 j 04:11	0°♊	
	-2961 May 14 j 16:07	0°♋	
	-2961 Jul 01 j 11:54	0°♌	
	-2961 Aug 14 j 01:48	0°♍	
desc. node	-2961 Sep 15 j 22:12	24°♍03'09	
	-2961 Sep 23 j 19:56	0°♎	
evening set	-2961 Oct 25 j 17:35	24°♎29'55	
	-2961 Nov 01 j 18:51	0°♏	
	-2961 Dec 09 j 22:01	0°♐	
conjunction	-2961 Dec 29 j 10:03	15°♐21'11	-1°00'14
minimum elong	-2961 Dec 29 j 07:28	15°♐16'06	1°00'19
	-2960 Jan 17 j 04:02	0°♑	
max. Earth dist.	-2960 Feb 10 j 02:34	18°♑25'37	2.39084 AU
	-2960 Feb 25 j 09:57	0°♒	
morning rise	-2960 Mar 06 j 11:46	7°♒30'41	
	-2960 Apr 06 j 09:43	0°♓	
	-2960 May 19 j 17:01	0°♈	
	-2960 Jul 04 j 21:24	0°♉	
asc. node	-2960 Jul 24 j 01:58	11°♉48'25	
	-2960 Aug 24 j 08:46	0°♊	
	-2960 Oct 27 j 21:43	0°♋	
retrograde	-2960 Dec 01 j 10:36	6°♋13'33	
	-2959 Jan 01 j 21:50	30°℞♊	
opposition	-2959 Jan 09 j 09:39	27°♊07'51	4°39'35
greatest brilliancy	-2959 Jan 09 j 21:08	26°♊56'33	-1.4m
min. Earth dist.	-2959 Jan 12 j 19:22	25°♊47'26	0.65407 AU
direct	-2959 Feb 19 j 14:51	17°♊06'41	
	-2959 Apr 12 j 03:58	0°♋	
	-2959 Jun 07 j 07:42	0°♌	
	-2959 Jul 22 j 23:28	0°♍	
desc. node	-2959 Aug 02 j 19:50	7°♍38'11	
	-2959 Sep 02 j 09:50	0°♎	
	-2959 Oct 11 j 14:22	0°♏	
	-2959 Nov 18 j 20:44	0°♐	
	-2959 Dec 27 j 06:49	0°♑	
evening set	-2958 Jan 01 j 22:13	4°♑21'09	
	-2958 Feb 04 j 18:18	0°♒	
conjunction	-2958 Mar 05 j 14:40	21°♒08'59	-0°52'00
minimum elong	-2958 Mar 05 j 17:02	21°♒13'16	0°52'02
	-2958 Mar 17 j 23:32	0°♓	
max. Earth dist.	-2958 Apr 13 j 21:53	18°♓49'39	2.52021 AU
	-2958 Apr 30 j 07:10	0°♈	
morning rise	-2958 May 02 j 10:35	1°♈26'44	
asc. node	-2958 Jun 11 j 01:02	27°♈34'35	
	-2958 Jun 14 j 19:11	0°♉	
	-2958 Aug 01 j 12:04	0°♊	
	-2958 Sep 21 j 05:11	0°♋	
	-2958 Nov 19 j 11:24	0°♌	
retrograde	-2957 Jan 11 j 12:24	13°♌06'06	
opposition	-2957 Feb 17 j 07:33	5°♌05'02	4°46'20
greatest brilliancy	-2957 Feb 18 j 11:52	4°♌38'34	-1.7m
min. Earth dist.	-2957 Feb 24 j 08:51	2°♌27'19	0.57324 AU
	-2957 Mar 03 j 10:44	30°℞♋	
direct	-2957 Mar 29 j 13:58	25°♋30'03	
	-2957 Apr 26 j 04:27	0°♌	
desc. node	-2957 Jun 20 j 19:27	26°♌32'48	
	-2957 Jun 26 j 11:13	0°♍	
	-2957 Aug 10 j 01:59	0°♎	
	-2957 Sep 19 j 13:30	0°♏	
	-2957 Oct 28 j 14:33	0°♐	
	-2957 Dec 06 j 16:23	0°♑	
	-2956 Jan 15 j 19:20	0°♒	
	-2956 Feb 26 j 15:13	0°♓	
evening set	-2956 Mar 01 j 15:52	2°♓49'00	
	-2956 Apr 10 j 09:56	0°♈	
conjunction	-2956 Apr 24 j 12:33	9°♈24'05	-0°02'01
minimum elong	-2956 Apr 24 j 12:38	9°♈24'13	0°02'01
behind sun begin	-2956 Apr 23 j 15:22	8°♈49'02	
behind sun end	-2956 Apr 25 j 09:53	9°♈59'24	
asc. node	-2956 Apr 27 j 22:37	11°♈39'49	
max. Earth dist.	-2956 May 13 j 18:59	22°♈04'16	2.62029 AU
	-2956 May 25 j 23:45	0°♉	
morning rise	-2956 Jun 13 j 06:10	11°♉45'54	
	-2956 Jul 11 j 22:01	0°♊	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

	-2956 Aug 28 j 20:13	0°♋	
	-2956 Oct 17 j 00:55	0°♌	
	-2956 Dec 08 j 13:49	0°♍	
	-2955 Feb 23 j 19:05	0°♎	
retrograde	-2955 Mar 07 j 05:05	0°♎45'58	
	-2955 Mar 18 j 06:51	30°℞♍	
opposition	-2955 Apr 09 j 04:05	24°♍33'28	1°45'34
greatest brilliancy	-2955 Apr 09 j 19:18	24°♍21'19	-2.5m
min. Earth dist.	-2955 Apr 17 j 08:32	21°♍57'10	0.44626 AU
desc. node	-2955 May 07 j 19:53	17°♍25'12	
direct	-2955 May 15 j 04:46	17°♍02'44	
	-2955 Jul 01 j 08:21	0°♎	
	-2955 Aug 20 j 16:33	0°♏	
	-2955 Oct 02 j 08:26	0°♐	
	-2955 Nov 12 j 15:44	0°♑	
	-2955 Dec 24 j 10:57	0°♒	
	-2954 Feb 05 j 14:41	0°♓	
asc. node	-2954 Mar 15 j 19:50	25°♓40'21	
	-2954 Mar 22 j 09:06	0°♈	
evening set	-2954 Apr 16 j 21:13	16°♈40'09	
	-2954 May 07 j 12:42	0°♉	
conjunction	-2954 Jun 04 j 12:07	17°♉55'02	0°42'31
minimum elong	-2954 Jun 04 j 10:51	17°♉53'01	0°42'34
max. Earth dist.	-2954 Jun 07 j 19:29	20°♉01'42	2.66820 AU
	-2954 Jun 23 j 10:44	0°♊	
morning rise	-2954 Jul 20 j 08:45	17°♊09'51	
	-2954 Aug 09 j 10:41	0°♋	
	-2954 Sep 25 j 01:53	0°♌	
	-2954 Nov 10 j 07:46	0°♍	
	-2954 Dec 26 j 15:25	0°♎	
	-2953 Feb 12 j 07:27	0°♏	
desc. node	-2953 Mar 25 j 19:56	23°♏34'10	
	-2953 Apr 08 j 05:53	0°♐	
retrograde	-2953 May 24 j 10:27	11°♐47'47	
min. Earth dist.	-2953 Jun 22 j 05:42	7°♐05'31	0.37740 AU
opposition	-2953 Jun 24 j 04:58	6°♐33'46	-5°47'36
greatest brilliancy	-2953 Jun 23 j 17:53	6°♐41'13	-2.9m
direct	-2953 Jul 24 j 01:39	1°♐35'17	
	-2953 Oct 10 j 02:45	0°♑	
	-2953 Nov 28 j 08:27	0°♒	
	-2952 Jan 14 j 07:19	0°♓	
asc. node	-2952 Jan 31 j 18:47	11°♓11'20	
	-2952 Mar 01 j 07:18	0°♈	
	-2952 Apr 17 j 17:41	0°♉	
evening set	-2952 May 25 j 12:03	23°♉51'02	
	-2952 Jun 04 j 04:54	0°♊	
max. Earth dist.	-2952 Jun 30 j 08:37	16°♊40'33	2.66169 AU
conjunction	-2952 Jul 10 j 23:49	23°♊30'26	1°07'43
minimum elong	-2952 Jul 10 j 23:07	23°♊29'17	1°07'49
	-2952 Jul 21 j 01:01	0°♋	
morning rise	-2952 Aug 25 j 02:48	22°♋57'57	
	-2952 Sep 04 j 16:47	0°♌	
	-2952 Oct 18 j 22:27	0°♍	
	-2952 Nov 30 j 20:05	0°♎	
	-2951 Jan 11 j 16:33	0°♏	
desc. node	-2951 Feb 09 j 19:40	21°♏07'14	
	-2951 Feb 22 j 01:47	0°♐	
	-2951 Apr 05 j 04:52	0°♑	
	-2951 May 21 j 13:22	0°♒	
retrograde	-2951 Jul 27 j 00:08	23°♒32'29	
min. Earth dist.	-2951 Aug 24 j 12:34	17°♒58'07	0.47102 AU
greatest brilliancy	-2951 Aug 31 j 07:20	15°♒34'30	-2.3m
opposition	-2951 Sep 01 j 13:41	15°♒07'31	-4°52'13
direct	-2951 Oct 04 j 14:37	8°♒17'48	
	-2951 Dec 13 j 02:53	0°♓	

asc. node	-2951 Dec 18 j 18:20	2°♓50'26	
	-2950 Feb 06 j 01:43	0°♈	
	-2950 Mar 28 j 15:39	0°♉	
	-2950 May 16 j 12:17	0°♊	
evening set	-2950 Jul 02 j 16:03	29°♊56'15	
	-2950 Jul 02 j 18:22	0°♋	
max. Earth dist.	-2950 Jul 25 j 23:57	15°♋11'45	2.60243 AU
	-2950 Aug 17 j 03:20	0°♌	
conjunction	-2950 Aug 18 j 17:47	1°♌05'02	1°06'06
minimum elong	-2950 Aug 18 j 18:43	1°♌06'37	1°06'10
	-2950 Sep 29 j 12:17	0°♍	
morning rise	-2950 Oct 05 j 15:20	4°♍20'47	
	-2950 Nov 10 j 01:39	0°♎	
	-2950 Dec 20 j 05:12	0°♏	
desc. node	-2950 Dec 28 j 18:57	6°♏30'12	
	-2949 Jan 28 j 13:33	0°♐	
	-2949 Mar 08 j 22:14	0°♑	
	-2949 Apr 18 j 10:37	0°♒	
	-2949 Jun 01 j 01:51	0°♓	
	-2949 Jul 24 j 05:27	0°♈	
retrograde	-2949 Sep 09 j 05:02	12°♈12'50	
min. Earth dist.	-2949 Oct 13 j 02:18	4°♈34'00	0.59001 AU
opposition	-2949 Oct 18 j 16:00	2°♈21'42	-0°46'03
greatest brilliancy	-2949 Oct 18 j 12:32	2°♈25'08	-1.7m
	-2949 Oct 24 j 19:19	30°℞♓	
asc. node	-2949 Nov 05 j 17:21	26°♓12'56	
direct	-2949 Nov 24 j 16:18	23°♓48'40	
	-2949 Dec 28 j 22:09	0°♈	
	-2948 Mar 03 j 17:58	0°♉	
	-2948 Apr 25 j 08:10	0°♊	
	-2948 Jun 12 j 21:55	0°♋	
	-2948 Jul 28 j 13:32	0°♌	
evening set	-2948 Aug 11 j 23:07	9°♌50'39	
max. Earth dist.	-2948 Aug 27 j 09:59	20°♌36'53	2.49643 AU
	-2948 Sep 09 j 15:13	0°♍	
conjunction	-2948 Oct 02 j 07:13	16°♍26'55	0°28'42
minimum elong	-2948 Oct 02 j 08:40	16°♍29'36	0°28'42
	-2948 Oct 20 j 13:14	0°♎	
desc. node	-2948 Nov 14 j 17:04	19°♎04'24	
morning rise	-2948 Nov 27 j 18:35	29°♎07'20	
	-2948 Nov 28 j 21:51	0°♏	
	-2947 Jan 06 j 10:55	0°♐	
	-2947 Feb 14 j 00:28	0°♑	
	-2947 Mar 25 j 12:13	0°♒	
	-2947 May 05 j 22:47	0°♓	
	-2947 Jun 19 j 18:30	0°♈	
	-2947 Aug 10 j 22:38	0°♉	
asc. node	-2947 Sep 22 j 17:46	16°♉41'27	
retrograde	-2947 Oct 14 j 12:19	19°♉30'09	
min. Earth dist.	-2947 Nov 21 j 16:11	10°♉23'10	0.66046 AU
opposition	-2947 Nov 23 j 14:13	9°♉36'50	2°15'58
greatest brilliancy	-2947 Nov 23 j 09:23	9°♉41'41	-1.4m
direct	-2946 Jan 02 j 07:13	0°♉06'17	
	-2946 Mar 31 j 20:42	0°♊	
	-2946 May 23 j 09:19	0°♋	
	-2946 Jul 09 j 05:45	0°♌	
	-2946 Aug 21 j 12:48	0°♍	
evening set	-2946 Oct 01 j 16:25	0°♎19'41	
	-2946 Oct 01 j 06:00	0°♎	
desc. node	-2946 Oct 02 j 15:33	1°♎03'26	
	-2946 Nov 09 j 05:57	0°♏	
max. Earth dist.	-2946 Nov 11 j 01:36	1°♏25'14	2.37974 AU
conjunction	-2946 Dec 01 j 14:55	17°♏32'49	-0°39'50
minimum elong	-2946 Dec 01 j 12:02	17°♏27'10	0°39'52

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

	-2946 Dec 17 j 10:17	0°♐	
	-2945 Jan 24 j 16:51	0°♑	
morning rise	-2945 Feb 07 j 19:39	10°♑54'48	
	-2945 Mar 04 j 22:31	0°♒	
	-2945 Apr 14 j 22:15	0°♓	
	-2945 May 28 j 08:58	0°♈	
	-2945 Jul 14 j 04:42	0°♉	
asc. node	-2945 Aug 10 j 17:56	16°♉15'06	
	-2945 Sep 05 j 07:34	0°♊	
retrograde	-2945 Nov 18 j 07:16	23°♊12'38	
opposition	-2945 Dec 27 j 18:55	13°♊49'04	4°12'06
greatest brilliancy	-2945 Dec 27 j 23:47	13°♊44'13	-1.3m
min. Earth dist.	-2945 Dec 29 j 16:18	13°♊03'56	0.66874 AU
direct	-2944 Feb 06 j 20:37	3°♊50'46	
	-2944 Apr 26 j 16:13	0°♋	
	-2944 Jun 16 j 18:40	0°♌	
	-2944 Jul 31 j 07:34	0°♍	
desc. node	-2944 Aug 19 j 14:33	13°♍51'08	
	-2944 Sep 10 j 09:01	0°♎	
	-2944 Oct 19 j 09:48	0°♏	
	-2944 Nov 26 j 13:30	0°♐	
evening set	-2944 Dec 05 j 17:27	7°♐13'00	
	-2943 Jan 03 j 20:38	0°♑	
conjunction	-2943 Feb 09 j 07:15	27°♑50'12	-1°04'28
minimum elong	-2943 Feb 09 j 08:47	27°♑53'05	1°04'32
	-2943 Feb 12 j 04:31	0°♒	
	-2943 Mar 25 j 06:04	0°♓	
max. Earth dist.	-2943 Mar 28 j 07:53	2°♓11'13	2.46962 AU
morning rise	-2943 Apr 12 j 13:51	12°♓54'39	
	-2943 May 07 j 11:43	0°♈	
	-2943 Jun 22 j 02:39	0°♉	
asc. node	-2943 Jun 27 j 15:49	3°♉32'17	
	-2943 Aug 09 j 11:37	0°♊	
	-2943 Oct 01 j 15:29	0°♋	
retrograde	-2943 Dec 25 j 10:40	28°♋11'44	
opposition	-2942 Feb 01 j 06:11	19°♋41'20	4°57'04
greatest brilliancy	-2942 Feb 02 j 04:40	19°♋19'45	-1.5m
min. Earth dist.	-2942 Feb 06 j 22:47	17°♋30'29	0.61229 AU
direct	-2942 Mar 14 j 04:12	9°♋48'45	
	-2942 May 18 j 14:57	0°♌	
desc. node	-2942 Jul 07 j 12:53	29°♌49'09	
	-2942 Jul 07 j 19:26	0°♍	
	-2942 Aug 19 j 13:59	0°♎	
	-2942 Sep 28 j 08:23	0°♏	
	-2942 Nov 05 j 23:08	0°♐	
	-2942 Dec 14 j 16:28	0°♑	
	-2941 Jan 23 j 11:12	0°♒	
evening set	-2941 Feb 09 j 07:37	12°♒20'55	
	-2941 Mar 05 j 23:19	0°♓	
conjunction	-2941 Apr 07 j 08:20	22°♓26'51	-0°22'11
minimum elong	-2941 Apr 07 j 09:28	22°♓28'47	0°22'10
	-2941 Apr 18 j 11:52	0°♈	
max. Earth dist.	-2941 May 04 j 02:42	10°♈26'33	2.58671 AU
asc. node	-2941 May 15 j 14:14	18°♈01'27	
morning rise	-2941 May 29 j 16:08	27°♈13'24	
	-2941 Jun 02 j 22:54	0°♉	
	-2941 Jul 20 j 01:06	0°♊	
	-2941 Sep 06 j 16:43	0°♋	
	-2941 Oct 27 j 23:28	0°♌	
	-2941 Dec 27 j 22:02	0°♍	
retrograde	-2940 Feb 11 j 20:34	10°♍20'41	
opposition	-2940 Mar 17 j 14:30	3°♍19'40	3°31'13
greatest brilliancy	-2940 Mar 18 j 18:31	2°♍55'24	-2.1m
min. Earth dist.	-2940 Mar 26 j 02:25	0°♍23'57	0.49813 AU
	-2940 Mar 27 j 07:15	30°℞♌	
direct	-2940 Apr 24 j 20:14	24°♌43'56	
desc. node	-2940 May 24 j 11:51	0°♍09'36	
	-2940 May 24 j 00:30	0°♍	
	-2940 Jul 20 j 22:27	0°♎	
	-2940 Sep 02 j 09:21	0°♏	
	-2940 Oct 12 j 20:47	0°♐	
	-2940 Nov 21 j 22:20	0°♑	
	-2939 Jan 01 j 20:21	0°♒	
	-2939 Feb 13 j 07:54	0°♓	
	-2939 Mar 29 j 14:30	0°♈	
evening set	-2939 Mar 30 j 23:45	0°♈55'14	
asc. node	-2939 Apr 01 j 13:00	1°♈57'03	
	-2939 May 14 j 10:44	0°♉	
conjunction	-2939 May 20 j 06:08	3°♉44'47	0°27'05
minimum elong	-2939 May 20 j 05:08	3°♉43'10	0°27'07
max. Earth dist.	-2939 May 29 j 08:56	9°♉36'34	2.65574 AU
	-2939 Jun 30 j 06:56	0°♊	
morning rise	-2939 Jul 06 j 05:51	3°♊47'18	
	-2939 Aug 16 j 12:43	0°♋	
	-2939 Oct 02 j 20:55	0°♌	
	-2939 Nov 19 j 15:05	0°♍	
	-2938 Jan 08 j 04:22	0°♎	
	-2938 Mar 06 j 21:17	0°♏	
desc. node	-2938 Apr 11 j 12:42	10°♏32'16	
retrograde	-2938 Apr 22 j 11:26	11°♏16'20	
opposition	-2938 May 23 j 01:17	6°♏10'47	-2°56'13
greatest brilliancy	-2938 May 23 j 08:16	6°♏06'01	-2.9m
min. Earth dist.	-2938 May 26 j 11:12	5°♏15'09	0.38480 AU
direct	-2938 Jun 23 j 09:59	0°♏41'20	
	-2938 Sep 08 j 22:26	0°♐	
	-2938 Oct 25 j 17:30	0°♑	
	-2938 Dec 09 j 07:42	0°♒	
	-2937 Jan 23 j 04:33	0°♓	
asc. node	-2937 Feb 17 j 10:41	16°♓36'21	
	-2937 Mar 10 j 01:24	0°♈	
	-2937 Apr 25 j 20:38	0°♉	
evening set	-2937 May 11 j 11:54	9°♉56'53	
	-2937 Jun 12 j 00:52	0°♊	
max. Earth dist.	-2937 Jun 22 j 06:40	6°♊31'29	2.67060 AU
conjunction	-2937 Jun 27 j 12:07	9°♊51'41	1°00'41
minimum elong	-2937 Jun 27 j 11:00	9°♊49'54	1°00'46
	-2937 Jul 28 j 20:59	0°♋	
morning rise	-2937 Aug 11 j 13:42	8°♋52'23	
	-2937 Sep 12 j 19:33	0°♌	
	-2937 Oct 27 j 15:36	0°♍	
	-2937 Dec 10 j 11:40	0°♎	
	-2936 Jan 22 j 15:55	0°♏	
desc. node	-2936 Feb 27 j 12:42	24°♏53'22	
	-2936 Mar 05 j 23:45	0°♐	
	-2936 Apr 20 j 22:25	0°♑	
retrograde	-2936 Jul 05 j 04:44	28°♑43'48	
min. Earth dist.	-2936 Jul 31 j 23:45	23°♑58'48	0.42251 AU
greatest brilliancy	-2936 Aug 07 j 01:04	22°♑03'40	-2.6m
opposition	-2936 Aug 08 j 13:06	21°♑34'50	-6°16'10
direct	-2936 Sep 08 j 18:49	15°♑40'08	
	-2936 Oct 31 j 20:03	0°♒	
	-2936 Dec 27 j 04:46	0°♓	
asc. node	-2935 Jan 04 j 09:31	4°♓47'13	
	-2935 Feb 15 j 11:18	0°♈	
	-2935 Apr 05 j 10:25	0°♉	
	-2935 May 23 j 14:42	0°♊	
evening set	-2935 Jun 17 j 17:15	15°♊54'14	
	-2935 Jul 09 j 15:26	0°♋	
max. Earth dist.	-2935 Jul 15 j 10:54	3°♋46'31	2.63165 AU

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

conjunction	-2935 Aug 03 j 05:06	16°♋04'47	1°10'27
minimum elong	-2935 Aug 03 j 05:21	16°♋05'11	1°10'33
	-2935 Aug 24 j 01:46	0°♌	
morning rise	-2935 Sep 18 j 12:15	17°♌20'14	
	-2935 Oct 06 j 17:09	0°♍	
	-2935 Nov 17 j 16:30	0°♎	
	-2935 Dec 28 j 08:17	0°♏	
desc. node	-2934 Jan 14 j 11:33	12°♏50'43	
	-2934 Feb 06 j 05:52	0°♐	
	-2934 Mar 18 j 05:55	0°♑	
	-2934 Apr 28 j 18:42	0°♒	
	-2934 Jun 14 j 04:47	0°♓	
retrograde	-2934 Aug 24 j 10:15	25°♓25'01	
min. Earth dist.	-2934 Sep 25 j 07:27	18°♓30'39	0.54746 AU
opposition	-2934 Oct 02 j 03:20	15°♓52'34	-2°16'16
greatest brilliancy	-2934 Oct 01 j 14:48	16°♓04'40	-1.9m
direct	-2934 Nov 06 j 17:25	7°♓53'22	
asc. node	-2934 Nov 22 j 09:05	9°♓21'13	
	-2933 Jan 17 j 15:58	0°♈	
	-2933 Mar 14 j 12:49	0°♉	
	-2933 May 04 j 04:23	0°♊	
	-2933 Jun 21 j 02:40	0°♋	
evening set	-2933 Jul 27 j 03:37	23°♋38'07	
	-2933 Aug 05 j 14:29	0°♌	
max. Earth dist.	-2933 Aug 13 j 17:58	5°♌32'38	2.54278 AU
conjunction	-2933 Sep 14 j 05:51	27°♌29'54	0°48'02
minimum elong	-2933 Sep 14 j 07:31	27°♌32'52	0°48'03
	-2933 Sep 17 j 18:12	0°♍	
	-2933 Oct 28 j 21:10	0°♎	
morning rise	-2933 Nov 05 j 11:15	5°♎40'19	
desc. node	-2933 Dec 02 j 11:29	26°♎09'16	
	-2933 Dec 07 j 11:51	0°♏	
	-2932 Jan 15 j 06:37	0°♐	
	-2932 Feb 23 j 01:15	0°♑	
	-2932 Apr 02 j 18:38	0°♒	
	-2932 May 14 j 16:04	0°♓	
	-2932 Jun 29 j 21:28	0°♈	
	-2932 Aug 29 j 17:17	0°♉	
retrograde	-2932 Sep 30 j 21:11	5°♉56'26	
asc. node	-2932 Oct 09 j 08:18	5°♉26'45	
	-2932 Oct 30 j 15:49	30°℞♈	
min. Earth dist.	-2932 Nov 06 j 12:15	27°♈20'22	0.64007 AU
opposition	-2932 Nov 09 j 21:36	25°♈58'39	1°13'50
greatest brilliancy	-2932 Nov 09 j 17:20	26°♈02'57	-1.5m
direct	-2932 Dec 18 j 17:21	16°♈46'31	
	-2931 Feb 10 j 04:46	0°♉	
	-2931 Apr 10 j 23:28	0°♊	
	-2931 May 31 j 09:55	0°♋	
	-2931 Jul 16 j 15:56	0°♌	
	-2931 Aug 28 j 19:51	0°♍	
evening set	-2931 Sep 10 j 05:31	8°♍57'51	
max. Earth dist.	-2931 Sep 28 j 20:30	22°♍41'50	2.41997 AU
	-2931 Oct 08 j 14:20	0°♎	
desc. node	-2931 Oct 19 j 09:42	8°♎11'19	
conjunction	-2931 Nov 05 j 19:24	21°♎32'42	-0°12'09
minimum elong	-2931 Nov 05 j 18:30	21°♎30'58	0°12'10
behind sun begin	-2931 Nov 05 j 01:07	20°♎57'25	
behind sun end	-2931 Nov 06 j 11:53	22°♎04'32	
	-2931 Nov 16 j 17:04	0°♏	
	-2931 Dec 24 j 23:57	0°♐	
morning rise	-2930 Jan 09 j 09:38	12°♐05'44	
	-2930 Feb 01 j 08:06	0°♑	
	-2930 Mar 12 j 14:32	0°♒	
	-2930 Apr 22 j 15:38	0°♓	
	-2930 Jun 05 j 09:03	0°♈	
	-2930 Jul 23 j 06:56	0°♉	
asc. node	-2930 Aug 27 j 08:09	19°♉10'40	
	-2930 Sep 20 j 05:14	0°♊	
retrograde	-2930 Nov 04 j 16:19	10°♊24'39	
opposition	-2930 Dec 14 j 12:48	0°♊46'42	3°34'44
greatest brilliancy	-2930 Dec 14 j 12:22	0°♊47'08	-1.3m
min. Earth dist.	-2930 Dec 14 j 22:04	0°♊37'26	0.67314 AU
	-2930 Dec 16 j 11:31	30°℞♉	
direct	-2929 Jan 24 j 05:54	20°♉56'03	
	-2929 Mar 08 j 02:27	0°♊	
	-2929 May 08 j 12:14	0°♋	
	-2929 Jun 26 j 06:31	0°♌	
	-2929 Aug 09 j 03:56	0°♍	
desc. node	-2929 Sep 06 j 07:07	20°♍27'57	
	-2929 Sep 19 j 00:43	0°♎	
	-2929 Oct 28 j 00:24	0°♏	
evening set	-2929 Nov 09 j 09:58	9°♏43'12	
	-2929 Dec 05 j 03:33	0°♐	
	-2928 Jan 12 j 09:35	0°♑	
conjunction	-2928 Jan 14 j 06:38	1°♑27'26	-1°05'54
minimum elong	-2928 Jan 14 j 05:30	1°♑25'15	1°05'59
	-2928 Feb 20 j 15:33	0°♒	
max. Earth dist.	-2928 Mar 03 j 06:49	8°♒40'15	2.41698 AU
morning rise	-2928 Mar 20 j 18:32	21°♒28'45	
	-2928 Apr 01 j 14:48	0°♓	
	-2928 May 14 j 20:01	0°♈	
	-2928 Jun 29 j 16:55	0°♉	
asc. node	-2928 Jul 14 j 08:15	9°♉09'36	
	-2928 Aug 18 j 03:37	0°♊	
	-2928 Oct 15 j 03:27	0°♋	
retrograde	-2928 Dec 09 j 20:37	14°♋19'02	
opposition	-2927 Jan 17 j 11:31	5°♋24'32	4°49'54
greatest brilliancy	-2927 Jan 18 j 02:55	5°♋09'29	-1.4m
min. Earth dist.	-2927 Jan 21 j 16:59	3°♋45'29	0.64197 AU
	-2927 Feb 01 j 00:52	30°℞♊	
direct	-2927 Feb 27 j 16:30	25°♊24'19	
	-2927 Mar 28 j 11:11	0°♋	
	-2927 May 31 j 13:59	0°♌	
	-2927 Jul 17 j 09:35	0°♍	
desc. node	-2927 Jul 24 j 05:35	4°♍43'44	
	-2927 Aug 28 j 05:23	0°♎	
	-2927 Oct 06 j 14:04	0°♏	
	-2927 Nov 13 j 22:33	0°♐	
	-2927 Dec 22 j 10:18	0°♑	
evening set	-2926 Jan 16 j 11:50	19°♑08'37	
	-2926 Jan 30 j 23:24	0°♒	
	-2926 Mar 13 j 05:56	0°♓	
conjunction	-2926 Mar 18 j 03:44	3°♓28'20	-0°41'55
minimum elong	-2926 Mar 18 j 05:52	3°♓32'04	0°41'57
max. Earth dist.	-2926 Apr 21 j 22:25	27°♓31'19	2.54589 AU
	-2926 Apr 25 j 14:17	0°♈	
morning rise	-2926 May 12 j 19:18	11°♈31'24	
asc. node	-2926 Jun 01 j 06:29	24°♈19'16	
	-2926 Jun 10 j 00:33	0°♉	
	-2926 Jul 27 j 10:08	0°♊	
	-2926 Sep 15 j 04:05	0°♋	
	-2926 Nov 09 j 04:54	0°♌	
retrograde	-2925 Jan 22 j 02:50	22°♌43'05	
opposition	-2925 Feb 27 j 06:46	15°♌01'03	4°28'24
greatest brilliancy	-2925 Feb 28 j 12:42	14°♌33'40	-1.9m
min. Earth dist.	-2925 Mar 06 j 23:50	12°♌12'31	0.54830 AU
direct	-2925 Apr 08 j 00:11	5°♌42'02	
desc. node	-2925 Jun 11 j 05:02	26°♌21'59	
	-2925 Jun 17 j 18:09	0°♍	
	-2925 Aug 03 j 13:02	0°♎	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

	-2925 Sep 13 j 18:13	0°♏	
	-2925 Oct 23 j 04:14	0°♐	
	-2925 Dec 01 j 12:15	0°♑	
	-2924 Jan 10 j 20:06	0°♒	
	-2924 Feb 21 j 19:47	0°♓	
evening set	-2924 Mar 12 j 18:38	13°♓47'44	
	-2924 Apr 05 j 17:25	0°♈	
asc. node	-2924 Apr 18 j 04:18	8°♈17'30	
conjunction	-2924 May 04 j 04:39	18°♈50'00	0°09'14
minimum elong	-2924 May 04 j 04:15	18°♈49'20	0°09'16
behind sun begin	-2924 May 03 j 11:06	18°♈21'17	
behind sun end	-2924 May 04 j 21:23	19°♈17'22	
max. Earth dist.	-2924 May 19 j 16:49	28°♈55'56	2.63519 AU
	-2924 May 21 j 08:23	0°♉	
morning rise	-2924 Jun 21 j 19:08	20°♉11'54	
	-2924 Jul 07 j 04:59	0°♊	
	-2924 Aug 23 j 19:51	0°♋	
	-2924 Oct 11 j 04:38	0°♌	
	-2924 Nov 30 j 09:43	0°♍	
	-2923 Jan 26 j 17:17	0°♎	
retrograde	-2923 Mar 22 j 20:53	14°♎28'17	
opposition	-2923 Apr 23 j 19:19	8°♎43'41	0°17'21
greatest brilliancy	-2923 Apr 23 j 21:46	8°♎41'50	-2.7m
desc. node	-2923 Apr 28 j 04:13	7°♎24'03	
min. Earth dist.	-2923 Apr 30 j 22:08	6°♎34'48	0.41975 AU
direct	-2923 May 28 j 05:47	1°♎57'14	
	-2923 Aug 10 j 12:00	0°♏	
	-2923 Sep 24 j 20:54	0°♐	
	-2923 Nov 06 j 08:19	0°♑	
	-2923 Dec 18 j 20:33	0°♒	
	-2922 Jan 31 j 11:16	0°♓	
asc. node	-2922 Mar 06 j 02:46	22°♓29'00	
	-2922 Mar 17 j 13:03	0°♈	
evening set	-2922 Apr 26 j 00:54	25°♈36'51	
	-2922 May 02 j 20:52	0°♉	
conjunction	-2922 Jun 12 j 22:54	26°♉14'24	0°50'06
minimum elong	-2922 Jun 12 j 21:36	26°♉12'21	0°50'10
max. Earth dist.	-2922 Jun 13 j 04:11	26°♉22'49	2.67142 AU
	-2922 Jun 18 j 20:26	0°♊	
morning rise	-2922 Jul 28 j 09:35	25°♊15'58	
	-2922 Aug 04 j 18:38	0°♋	
	-2922 Sep 20 j 03:04	0°♌	
	-2922 Nov 04 j 18:57	0°♍	
	-2922 Dec 20 j 00:03	0°♎	
	-2921 Feb 03 j 10:34	0°♏	
desc. node	-2921 Mar 16 j 05:46	25°♏49'54	
	-2921 Mar 23 j 05:18	0°♐	
retrograde	-2921 Jun 10 j 03:25	29°♐47'55	
min. Earth dist.	-2921 Jul 07 j 07:09	25°♐21'56	0.38660 AU
greatest brilliancy	-2921 Jul 10 j 23:37	24°♐19'39	-2.8m
opposition	-2921 Jul 12 j 00:48	24°♐01'52	-6°33'17
direct	-2921 Aug 10 j 21:12	18°♐53'52	
	-2921 Sep 24 j 21:04	0°♑	
	-2921 Nov 20 j 04:31	0°♒	
	-2920 Jan 08 j 02:23	0°♓	
asc. node	-2920 Jan 22 j 00:42	8°♓42'36	
	-2920 Feb 24 j 23:43	0°♈	
	-2920 Apr 12 j 20:52	0°♉	
	-2920 May 30 j 13:22	0°♊	
evening set	-2920 Jun 02 j 23:24	2°♊09'53	
max. Earth dist.	-2920 Jul 05 j 20:00	23°♊08'22	2.65333 AU
	-2920 Jul 16 j 11:00	0°♋	
conjunction	-2920 Jul 19 j 08:01	1°♋51'53	1°09'58
minimum elong	-2920 Jul 19 j 07:37	1°♋51'14	1°10'03
	-2920 Aug 31 j 00:48	0°♌	
morning rise	-2920 Sep 02 j 16:54	1°♌47'22	
	-2920 Oct 14 j 01:23	0°♍	
	-2920 Nov 25 j 14:27	0°♎	
	-2919 Jan 05 j 23:21	0°♏	
desc. node	-2919 Jan 31 j 05:46	18°♏35'28	
	-2919 Feb 15 j 16:48	0°♐	
	-2919 Mar 28 j 18:56	0°♑	
	-2919 May 11 j 10:35	0°♒	
	-2919 Jul 06 j 16:24	0°♓	
retrograde	-2919 Aug 06 j 23:18	6°♓15'42	
min. Earth dist.	-2919 Sep 05 j 16:32	0°♓11'59	0.49876 AU
	-2919 Sep 06 j 05:50	30°℞♒	
greatest brilliancy	-2919 Sep 12 j 11:16	27°♒42'14	-2.2m
opposition	-2919 Sep 13 j 11:25	27°♒19'56	-3°55'18
direct	-2919 Oct 17 j 10:12	20°♒03'07	
	-2919 Nov 30 j 07:12	0°♓	
asc. node	-2919 Dec 08 j 23:24	3°♓34'48	
	-2918 Jan 30 j 06:03	0°♈	
	-2918 Mar 23 j 05:18	0°♉	
	-2918 May 11 j 15:08	0°♊	
	-2918 Jun 28 j 02:47	0°♋	
evening set	-2918 Jul 11 j 09:45	8°♋38'06	
max. Earth dist.	-2918 Aug 01 j 10:19	22°♋31'57	2.58308 AU
	-2918 Aug 12 j 12:52	0°♌	
conjunction	-2918 Aug 28 j 00:16	10°♌33'21	1°01'09
minimum elong	-2918 Aug 28 j 01:33	10°♌35'33	1°01'13
	-2918 Sep 24 j 20:16	0°♍	
morning rise	-2918 Oct 16 j 03:44	15°♍17'08	
	-2918 Nov 05 j 05:58	0°♎	
	-2918 Dec 15 j 04:54	0°♏	
desc. node	-2918 Dec 19 j 04:08	3°♏01'22	
	-2917 Jan 23 j 07:59	0°♐	
	-2917 Mar 03 j 10:37	0°♑	
	-2917 Apr 12 j 13:59	0°♒	
	-2917 May 25 j 07:45	0°♓	
	-2917 Jul 13 j 12:30	0°♈	
retrograde	-2917 Sep 17 j 16:28	21°♈28'00	
min. Earth dist.	-2917 Oct 22 j 14:17	13°♈27'46	0.61008 AU
asc. node	-2917 Oct 26 j 23:35	11°♈42'52	
opposition	-2917 Oct 27 j 10:13	11°♈32'16	0°01'06
greatest brilliancy	-2914 Jun 26 j 04:25	24°♋42'12	1.4m
direct	-2917 Dec 04 j 03:33	2°♈43'45	
	-2916 Feb 25 j 10:37	0°♉	
	-2916 Apr 19 j 20:26	0°♊	
	-2916 Jun 08 j 00:20	0°♋	
	-2916 Jul 23 j 21:06	0°♌	
evening set	-2916 Aug 22 j 02:04	20°♌07'42	
	-2916 Sep 05 j 00:01	0°♍	
max. Earth dist.	-2916 Sep 06 j 04:15	0°♍50'34	2.46928 AU
conjunction	-2916 Oct 14 j 00:34	28°♍36'47	0°15'06
minimum elong	-2916 Oct 14 j 01:28	28°♍38'29	0°15'05
behind sun begin	-2916 Oct 13 j 16:18	28°♍21'19	
behind sun end	-2916 Oct 14 j 10:38	28°♍55'39	
	-2916 Oct 15 j 20:56	0°♎	
desc. node	-2916 Nov 05 j 02:43	15°♎20'42	
	-2916 Nov 24 j 03:28	0°♏	
morning rise	-2916 Dec 12 j 07:29	14°♏08'21	
	-2915 Jan 01 j 13:59	0°♐	
	-2915 Feb 09 j 00:58	0°♑	
	-2915 Mar 20 j 09:54	0°♒	
	-2915 Apr 30 j 15:16	0°♓	
	-2915 Jun 13 j 21:34	0°♈	
	-2915 Aug 02 j 20:04	0°♉	
asc. node	-2915 Sep 13 j 00:18	19°♉18'27	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

retrograde	-2915 Oct 22 j 05:48	27°♉29'43	
min. Earth dist.	-2915 Nov 30 j 04:29	18°♉07'37	0.66765 AU
opposition	-2915 Dec 01 j 07:03	17°♉40'56	2°47'43
greatest brilliancy	-2915 Dec 01 j 03:07	17°♉44'53	-1.4m
direct	-2914 Jan 10 j 10:13	8°♉02'10	
	-2914 Mar 24 j 03:34	0°♊	
	-2914 May 17 j 18:48	0°♋	
	-2914 Jul 04 j 05:32	0°♌	
	-2914 Aug 16 j 17:54	0°♍	
desc. node	-2914 Sep 23 j 01:03	27°♍22'29	
	-2914 Sep 26 j 12:41	0°♎	
evening set	-2914 Oct 14 j 21:38	14°♎00'19	
	-2914 Nov 04 j 12:44	0°♏	
	-2914 Dec 12 j 16:25	0°♐	
conjunction	-2914 Dec 17 j 02:13	3°♐28'36	-0°52'46
minimum elong	-2914 Dec 16 j 23:07	3°♐22'28	0°52'49
max. Earth dist.	-2913 Jan 06 j 19:35	19°♐46'07	2.37645 AU
	-2913 Jan 19 j 22:07	0°♑	
morning rise	-2913 Feb 23 j 17:44	26°♑41'59	
	-2913 Feb 28 j 02:58	0°♒	
	-2913 Apr 10 j 01:13	0°♓	
	-2913 May 23 j 08:09	0°♈	
	-2913 Jul 08 j 16:13	0°♉	
asc. node	-2913 Jul 31 j 23:26	14°♉08'12	
	-2913 Aug 28 j 22:50	0°♊	
	-2913 Nov 12 j 18:21	0°♋	
retrograde	-2913 Nov 26 j 07:47	1°♋05'04	
	-2913 Dec 09 j 05:30	30°℞♊	
opposition	-2912 Jan 04 j 13:30	21°♊50'49	4°29'13
greatest brilliancy	-2912 Jan 04 j 21:54	21°♊42'30	-1.3m
min. Earth dist.	-2912 Jan 07 j 06:51	20°♊46'14	0.66189 AU
direct	-2912 Feb 14 j 18:26	11°♊50'24	
	-2912 Apr 18 j 04:28	0°♋	
	-2912 Jun 10 j 20:24	0°♌	
	-2912 Jul 26 j 01:20	0°♍	
desc. node	-2912 Aug 09 j 22:37	10°♍34'05	
	-2912 Sep 05 j 08:41	0°♎	
	-2912 Oct 14 j 12:15	0°♏	
greatest brilliancy	-2912 Nov 06 j 11:52	18°♏00'39	1.2m
	-2912 Nov 21 j 17:27	0°♐	
evening set	-2912 Dec 21 j 04:43	23°♐06'18	
	-2912 Dec 30 j 01:40	0°♑	
	-2911 Feb 07 j 10:40	0°♒	
conjunction	-2911 Feb 23 j 09:09	11°♒48'27	-0°58'21
minimum elong	-2911 Feb 23 j 11:24	11°♒52'35	0°58'23
	-2911 Mar 20 j 12:52	0°♓	
max. Earth dist.	-2911 Apr 07 j 09:24	12°♓34'54	2.49810 AU
morning rise	-2911 Apr 24 j 03:41	24°♓09'07	
	-2911 May 02 j 18:09	0°♈	
asc. node	-2911 Jun 17 j 22:22	0°♉26'46	
	-2911 Jun 17 j 05:43	0°♉	
	-2911 Aug 04 j 03:28	0°♊	
	-2911 Sep 24 j 15:50	0°♋	
	-2911 Nov 27 j 23:14	0°♌	
retrograde	-2910 Jan 03 j 22:11	6°♌58'44	
	-2910 Feb 06 j 19:55	30°℞♋	
opposition	-2910 Feb 10 j 05:33	28°♋43'41	4°53'03
greatest brilliancy	-2910 Feb 11 j 07:29	28°♋19'07	-1.6m
min. Earth dist.	-2910 Feb 16 j 17:03	26°♋16'55	0.59179 AU
direct	-2910 Mar 22 j 20:47	18°♋59'23	
	-2910 May 07 j 08:57	0°♌	
desc. node	-2910 Jun 27 j 21:50	28°♌00'28	
	-2910 Jul 01 j 01:03	0°♍	
	-2910 Aug 13 j 18:40	0°♎	
	-2910 Sep 22 j 22:30	0°♏	
	-2910 Oct 31 j 18:31	0°♐	
	-2910 Dec 09 j 15:44	0°♑	
	-2909 Jan 18 j 14:00	0°♒	
evening set	-2909 Feb 21 j 17:38	24°♒42'47	
	-2909 Mar 01 j 05:04	0°♓	
	-2909 Apr 13 j 19:47	0°♈	
conjunction	-2909 Apr 17 j 22:05	2°♈45'00	-0°10'29
minimum elong	-2909 Apr 17 j 22:36	2°♈45'52	0°10'28
behind sun begin	-2909 Apr 17 j 05:56	2°♈17'57	
behind sun end	-2909 Apr 18 j 15:16	3°♈13'47	
asc. node	-2909 May 05 j 20:31	14°♈40'30	
max. Earth dist.	-2909 May 10 j 12:14	17°♈44'20	2.60630 AU
	-2909 May 29 j 07:06	0°♉	
morning rise	-2909 Jun 07 j 17:04	6°♉04'57	
	-2909 Jul 15 j 06:07	0°♊	
	-2909 Sep 01 j 10:31	0°♋	
	-2909 Oct 21 j 09:05	0°♌	
	-2909 Dec 15 j 09:03	0°♍	
retrograde	-2908 Feb 25 j 02:18	21°♍53'48	
opposition	-2908 Mar 29 j 20:58	15°♍18'49	2°37'50
greatest brilliancy	-2908 Mar 30 j 19:21	15°♍00'13	-2.3m
min. Earth dist.	-2908 Apr 07 j 09:20	12°♍29'34	0.46930 AU
direct	-2908 May 06 j 00:36	7°♍15'51	
desc. node	-2908 May 14 j 22:29	7°♍48'20	
	-2908 Jul 10 j 20:17	0°♎	
	-2908 Aug 26 j 02:13	0°♏	
	-2908 Oct 06 j 14:14	0°♐	
	-2908 Nov 16 j 05:36	0°♑	
	-2908 Dec 27 j 13:27	0°♒	
	-2907 Feb 08 j 08:11	0°♓	
asc. node	-2907 Mar 22 j 17:56	28°♓37'00	
	-2907 Mar 24 j 20:03	0°♈	
evening set	-2907 Apr 09 j 19:09	10°♈30'42	
	-2907 May 09 j 19:21	0°♉	
conjunction	-2907 May 29 j 01:55	12°♉22'48	0°36'22
minimum elong	-2907 May 29 j 00:43	12°♉20'54	0°36'25
max. Earth dist.	-2907 Jun 03 j 20:57	16°♉05'17	2.66376 AU
	-2907 Jun 25 j 16:10	0°♊	
morning rise	-2907 Jul 14 j 08:58	11°♊54'36	
	-2907 Aug 11 j 18:25	0°♋	
	-2907 Sep 27 j 16:36	0°♌	
	-2907 Nov 13 j 12:53	0°♍	
	-2907 Dec 31 j 00:17	0°♎	
	-2906 Feb 19 j 09:55	0°♏	
desc. node	-2906 Apr 01 j 22:22	20°♏11'34	
retrograde	-2906 May 10 j 15:46	28°♏32'53	
opposition	-2906 Jun 09 j 23:40	23°♏30'46	-4°43'36
greatest brilliancy	-2906 Jun 09 j 23:28	23°♏30'53	-2.9m
min. Earth dist.	-2906 Jun 10 j 12:16	23°♏22'24	0.37681 AU
direct	-2906 Jul 10 j 06:23	18°♏26'21	
	-2906 Aug 24 j 07:04	0°♐	
	-2906 Oct 17 j 01:36	0°♑	
	-2906 Dec 02 j 16:54	0°♒	
	-2905 Jan 17 j 13:34	0°♓	
asc. node	-2905 Feb 07 j 16:19	13°♓42'27	
	-2905 Mar 04 j 23:37	0°♈	
	-2905 Apr 21 j 02:14	0°♉	
evening set	-2905 May 20 j 03:38	18°♉24'24	
	-2905 Jun 07 j 10:13	0°♊	
max. Earth dist.	-2905 Jun 27 j 16:00	12°♊53'52	2.66679 AU
conjunction	-2905 Jul 05 j 19:29	18°♊06'45	1°05'14
minimum elong	-2905 Jul 05 j 18:35	18°♊05'18	1°05'18
	-2905 Jul 24 j 06:37	0°♋	
morning rise	-2905 Aug 19 j 20:14	17°♋18'08	

Attention, astronomical year style is used: The year -3400 in astronomical counting style is the year 3401 BCE in historical counting style.

	-2905 Sep 08 j 01:51	0°♌	
	-2905 Oct 22 j 14:18	0°♍	
	-2905 Dec 04 j 21:33	0°♎	
	-2904 Jan 16 j 06:55	0°♏	
desc. node	-2904 Feb 17 j 22:05	23°♏16'44	
	-2904 Feb 27 j 08:59	0°♐	
	-2904 Apr 10 j 16:19	0°♑	
	-2904 May 30 j 20:50	0°♒	
retrograde	-2904 Jul 17 j 23:43	13°♒42'00	
min. Earth dist.	-2904 Aug 14 j 15:30	8°♒30'45	0.44854 AU
greatest brilliancy	-2904 Aug 21 j 05:28	6°♒17'02	-2.4m
opposition	-2904 Aug 22 j 15:33	5°♒47'56	-5°32'50
	-2904 Sep 14 j 06:01	30°℞♑	
direct	-2904 Sep 23 j 21:08	29°♑22'16	
	-2904 Oct 03 j 17:39	0°♒	
	-2904 Dec 18 j 23:33	0°♓	
asc. node	-2904 Dec 25 j 15:44	3°♓38'20	
	-2903 Feb 09 j 11:43	0°♈	
	-2903 Mar 31 j 06:54	0°♉	
	-2903 May 18 j 20:17	0°♊	
evening set	-2903 Jun 26 j 06:15	24°♊20'53	
	-2903 Jul 05 j 00:40	0°♋	
max. Earth dist.	-2903 Jul 21 j 10:53	10°♋42'16	2.61652 AU
conjunction	-2903 Aug 11 j 23:59	24°♋59'02	1°08'33
minimum elong	-2903 Aug 12 j 00:37	25°♋00'05	1°08'38
	-2903 Aug 19 j 11:08	0°♌	
morning rise	-2903 Sep 28 j 01:49	27°♌14'36	
	-2903 Oct 01 j 23:58	0°♍	
	-2903 Nov 12 j 18:23	0°♎	
	-2903 Dec 23 j 03:42	0°♏	
desc. node	-2902 Jan 04 j 21:35	9°♏37'10	
	-2902 Jan 31 j 17:38	0°♐	
	-2902 Mar 12 j 07:48	0°♑	
	-2902 Apr 22 j 04:00	0°♒	
	-2902 Jun 05 j 14:13	0°♓	
	-2902 Aug 03 j 05:40	0°♈	
retrograde	-2902 Sep 02 j 14:28	5°♈40'48	
	-2902 Oct 01 j 06:26	30°℞♓	
min. Earth dist.	-2902 Oct 05 j 14:55	28°♓21'33	0.57182 AU
opposition	-2902 Oct 11 j 19:16	25°♓56'18	-1°22'53
greatest brilliancy	-2902 Oct 11 j 12:21	26°♓03'05	-1.8m
asc. node	-2902 Nov 12 j 15:01	17°♓45'42	
direct	-2902 Nov 17 j 05:20	17°♓37'27	
	-2901 Jan 06 j 23:21	0°♈	
	-2901 Mar 08 j 06:43	0°♉	
	-2901 Apr 28 j 23:50	0°♊	
	-2901 Jun 16 j 07:34	0°♋	
	-2901 Jul 31 j 22:36	0°♌	
evening set	-2901 Aug 05 j 14:33	3°♌09'52	
max. Earth dist.	-2901 Aug 21 j 18:11	14°♌15'58	2.51781 AU
	-2901 Sep 13 j 02:29	0°♍	
conjunction	-2901 Sep 24 j 19:51	8°♍25'45	0°37'41
minimum elong	-2901 Sep 24 j 21:30	8°♍28'44	0°37'42
	-2901 Oct 24 j 03:37	0°♎	
morning rise	-2901 Nov 18 j 05:53	18°♎57'17	
desc. node	-2901 Nov 22 j 19:59	22°♎27'41	
	-2901 Dec 02 j 15:35	0°♏	
	-2900 Jan 10 j 07:23	0°♐	
	-2900 Feb 17 j 22:40	0°♑	
	-2900 Mar 28 j 11:48	0°♒	
	-2900 May 09 j 00:49	0°♓	
	-2900 Jun 23 j 05:54	0°♈	
	-2900 Aug 16 j 13:11	0°♉	
asc. node	-2900 Sep 29 j 14:57	13°♉42'43	
retrograde	-2900 Oct 08 j 17:45	14°♉14'51	
min. Earth dist.	-2900 Nov 15 j 06:06	5°♉21'19	0.65252 AU
opposition	-2900 Nov 17 j 20:11	4°♉18'55	1°51'16
greatest brilliancy	-2900 Nov 17 j 15:08	4°♉24'00	-1.4m
	-2900 Nov 29 j 03:42	30°℞♈	
direct	-2900 Dec 27 j 04:54	24°♈56'00	
	-2899 Jan 27 j 04:24	0°♉	
	-2899 Apr 04 j 13:28	0°♊	
	-2899 May 26 j 04:05	0°♋	
	-2899 Jul 11 j 19:23	0°♌	
	-2899 Aug 24 j 02:25	0°♍	
evening set	-2899 Sep 22 j 02:02	21°♍09'54	
	-2899 Oct 03 j 21:04	0°♎	
desc. node	-2899 Oct 09 j 17:57	4°♎26'24	
max. Earth dist.	-2899 Oct 18 j 19:29	11°♎20'45	2.39498 AU
	-2899 Nov 11 j 22:51	0°♏	
conjunction	-2899 Nov 20 j 01:21	6°♏19'37	-0°28'16
minimum elong	-2899 Nov 19 j 23:12	6°♏15'25	0°28'18
	-2899 Dec 20 j 04:27	0°♐	