Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

conjunction	-2399 Jul 27 j 23:35	13°♋50'27	1°10'36	
minimum elong	-2399 Jul 27 j 23:31	13°♋50'21	1°10'40	
	-2399 Aug 21 j 14:23	0°♌		
morning rise	-2399 Sep 11 j 09:52	13°♌54'04		
	-2399 Oct 05 j 01:48	0°♍		
	-2399 Nov 16 j 23:26	0°♎		
	-2399 Dec 28 j 13:03	0°♏		
desc. node	-2398 Jan 25 j 04:15	20°♏20'09		
	-2398 Feb 07 j 05:24	0°♐		
	-2398 Mar 19 j 19:13	0°♑		
	-2398 Apr 30 j 19:40	0°♒		
	-2398 Jun 17 j 13:36	0°♓		
retrograde	-2398 Aug 16 j 08:25	19°♓31'35		
min. Earth dist.	-2398 Sep 15 j 10:23	13°♓19'46	0.50756 AU	
greatest brilliancy	-2398 Sep 22 j 08:23	10°♓45'45	-2.1m	
opposition	-2398 Sep 23 j 03:58	10°♓27'33	-3°10'58	
direct	-2398 Oct 27 j 11:08	3°♓02'21		
asc. node	-2398 Nov 30 j 18:23	9°♓28'06		
	-2397 Jan 16 j 06:58	0°♈		
	-2397 Mar 11 j 12:54	0°♉		
	-2397 Apr 30 j 21:17	0°♊		
	-2397 Jun 18 j 02:17	0°♋		
evening set	-2397 Jul 20 j 04:49	20°♋43'50		
	-2397 Aug 03 j 05:18	0°♌		
max. Earth dist.	-2397 Aug 09 j 10:34	4°♌09'25	2.57691 AU	
conjunction	-2397 Sep 05 j 21:57	22°♌51'49	0°55'21	
minimum elong	-2397 Sep 05 j 23:24	22°♌54'19	0°55'22	
	-2397 Sep 16 j 04:19	0°♍		
morning rise	-2397 Oct 25 j 11:40	28°♍05'02		
	-2397 Oct 28 j 02:38	0°♎		
	-2397 Dec 07 j 09:42	0°♏		
desc. node	-2397 Dec 13 j 02:42	4°♏19'31		
	-2396 Jan 15 j 15:30	0°♐		
	-2396 Feb 23 j 13:52	0°♑		
	-2396 Apr 03 j 03:39	0°♒		
	-2396 May 14 j 15:50	0°♓		
	-2396 Jun 29 j 12:15	0°♈		
	-2396 Aug 31 j 17:27	0°♉		
retrograde	-2396 Sep 25 j 09:52	3°♉44'00		
asc. node	-2396 Oct 17 j 17:41	0°♉15'32		
	-2396 Oct 18 j 13:49	30°℞♈		
min. Earth dist.	-2396 Oct 30 j 15:27	25°♈37'12	0.61633 AU	
opposition	-2396 Nov 04 j 05:21	23°♈47'40	0°42'53	
greatest brilliancy	-2396 Nov 04 j 02:05	23°♈50'54	-1.6m	
direct	-2396 Dec 12 j 05:01	14°♈54'03		
	-2395 Feb 07 j 20:53	0°♉		
	-2395 Apr 07 j 18:51	0°♊		
	-2395 May 28 j 12:43	0°♋		
	-2395 Jul 14 j 11:02	0°♌		
	-2395 Aug 27 j 10:12	0°♍		
evening set	-2395 Aug 31 j 06:42	2°♍43'05		
max. Earth dist.	-2395 Sep 15 j 07:30	13°♍27'24	2.46071 AU	
	-2395 Oct 07 j 22:23	0°♎		
conjunction	-2395 Oct 23 j 18:33	11°♎50'31	0°04'19	
minimum elong	-2395 Oct 23 j 18:50	11°♎51'03	0°04'18	
behind sun begin	-2395 Oct 22 j 19:33	11°♎07'12		
behind sun end	-2395 Oct 24 j 18:08	12°♎34'57		
desc. node	-2395 Oct 30 j 00:51	16°♎34'35		
	-2395 Nov 16 j 14:27	0°♏		
morning rise	-2395 Dec 23 j 02:18	28°♏22'03		
	-2395 Dec 25 j 04:20	0°♐		
	-2394 Feb 01 j 11:59	0°♑		
	-2394 Mar 12 j 10:39	0°♒		
	-2394 Apr 21 j 22:09	0°♓		
	-2394 Jun 03 j 22:47	0°♈		
	-2394 Jul 21 j 05:39	0°♉		
asc. node	-2394 Sep 04 j 18:08	24°♉16'06		
	-2394 Sep 18 j 06:20	0°♊		
retrograde	-2394 Oct 30 j 16:51	9°♊22'45		
	-2394 Dec 08 j 18:38	30°℞♉		
opposition	-2394 Dec 09 j 18:41	29°♉35'54	3°15'59	
min. Earth dist.	-2394 Dec 08 j 23:10	29°♉55'28	0.66992 AU	
greatest brilliancy	-2394 Dec 09 j 14:59	29°♉39'36	-1.3m	
direct	-2393 Jan 19 j 01:55	19°♉54'20		
	-2393 Mar 05 j 18:09	0°♊		
	-2393 May 05 j 22:28	0°♋		
	-2393 Jun 24 j 08:55	0°♌		
	-2393 Aug 08 j 01:25	0°♍		
desc. node	-2393 Sep 16 j 23:36	28°♍47'22		
	-2393 Sep 18 j 14:42	0°♎		
evening set	-2393 Oct 25 j 04:05	27°♎45'46		
	-2393 Oct 28 j 01:28	0°♏		
	-2393 Dec 05 j 08:40	0°♐		
conjunction	-2393 Dec 28 j 04:10	17°♐59'33	-0°59'01	
minimum elong	-2393 Dec 28 j 01:29	17°♐54'18	0°59'04	
	-2392 Jan 12 j 10:57	0°♑		
max. Earth dist.	-2392 Jan 30 j 07:14	13°♑54'17	2.38050 AU	
	-2392 Feb 20 j 06:08	0°♒		
morning rise	-2392 Mar 05 j 22:03	11°♒04'22		
	-2392 Mar 31 j 13:26	0°♓		
	-2392 May 13 j 00:21	0°♈		
	-2392 Jun 27 j 05:00	0°♉		
asc. node	-2392 Jul 22 j 17:25	15°♉59'26		
	-2392 Aug 15 j 05:40	0°♊		
	-2392 Oct 12 j 15:13	0°♋		
retrograde	-2392 Dec 03 j 21:12	12°♋56'33		
opposition	-2391 Jan 12 j 02:23	3°♋45'33	4°39'08	
greatest brilliancy	-2391 Jan 12 j 12:25	3°♋35'41	-1.4m	
min. Earth dist.	-2391 Jan 15 j 03:22	2°♋33'45	0.65964 AU	
	-2391 Jan 21 j 20:17	30°℞♊		
direct	-2391 Feb 22 j 09:33	23°♊44'36		
	-2391 Mar 28 j 17:22	0°♋		
	-2391 May 30 j 10:38	0°♌		
	-2391 Jul 16 j 20:13	0°♍		
desc. node	-2391 Aug 03 j 22:09	12°♍29'04		
	-2391 Aug 28 j 05:52	0°♎		
	-2391 Oct 06 j 22:54	0°♏		
	-2391 Nov 14 j 08:22	0°♐		
	-2391 Dec 22 j 13:06	0°♑		
evening set	-2390 Jan 01 j 03:15	7°♑27'51		
	-2390 Jan 30 j 12:20	0°♒		
conjunction	-2390 Mar 05 j 22:27	25°♒34'53	-0°51'38	
minimum elong	-2390 Mar 06 j 00:56	25°♒39'24	0°51'39	
	-2390 Mar 12 j 00:31	0°♓		
max. Earth dist.	-2390 Apr 16 j 09:43	25°♓03'45	2.50718 AU	
	-2390 Apr 23 j 13:20	0°♈		
morning rise	-2390 May 03 j 22:21	7°♈05'22		
	-2390 Jun 07 j 07:30	0°♉		
asc. node	-2390 Jun 09 j 16:18	1°♉32'47		
	-2390 Jul 24 j 08:00	0°♊		
	-2390 Sep 12 j 03:53	0°♋		
	-2390 Nov 07 j 09:52	0°♌		
retrograde	-2389 Jan 13 j 00:41	19°♌09'48		
opposition	-2389 Feb 19 j 05:05	11°♌00'10	4°38'02	
greatest brilliancy	-2389 Feb 20 j 07:23	10°♌35'28	-1.7m	
min. Earth dist.	-2389 Feb 25 j 23:53	8°♌27'34	0.58480 AU	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

direct	-2389 Mar 31 j 19:01	1°♌19'03	
	-2389 Jun 19 j 10:46	0°♍	
desc. node	-2389 Jun 21 j 20:12	1°♍24'28	
	-2389 Aug 04 j 18:34	0°♎	
	-2389 Sep 14 j 21:41	0°♏	
	-2389 Oct 24 j 01:30	0°♐	
	-2389 Dec 01 j 20:45	0°♑	
	-2388 Jan 10 j 10:16	0°♒	
	-2388 Feb 20 j 12:36	0°♓	
evening set	-2388 Mar 02 j 16:51	7°♓55'49	
	-2388 Apr 03 j 13:12	0°♈	
conjunction	-2388 Apr 26 j 08:46	15°♈22'39	-0°00'10
minimum elong	-2388 Apr 26 j 08:45	15°♈22'36	0°00'08
behind sun begin	-2388 Apr 25 j 11:24	14°♈47'01	
behind sun end	-2388 Apr 27 j 06:05	15°♈58'09	
asc. node	-2388 Apr 26 j 15:09	15°♈33'15	
max. Earth dist.	-2388 May 17 j 16:43	29°♈28'31	2.61230 AU
	-2388 May 18 j 11:57	0°♉	
morning rise	-2388 Jun 15 j 15:25	18°♉15'04	
	-2388 Jul 04 j 00:29	0°♊	
	-2388 Aug 20 j 17:44	0°♋	
	-2388 Oct 08 j 18:10	0°♌	
	-2388 Nov 29 j 16:18	0°♍	
	-2387 Feb 03 j 20:33	0°♎	
retrograde	-2387 Mar 06 j 14:00	5°♎03'40	
	-2387 Apr 04 j 17:24	30°℞♍	
opposition	-2387 Apr 09 j 00:26	28°♍37'12	1°45'19
greatest brilliancy	-2387 Apr 09 j 15:50	28°♍24'33	-2.4m
min. Earth dist.	-2387 Apr 17 j 08:49	25°♍53'06	0.45989 AU
desc. node	-2387 May 08 j 20:49	21°♍05'35	
direct	-2387 May 15 j 16:58	20°♍45'47	
	-2387 Jun 23 j 19:46	0°♎	
	-2387 Aug 15 j 18:53	0°♏	
	-2387 Sep 27 j 15:54	0°♐	
	-2387 Nov 07 j 14:45	0°♑	
	-2387 Dec 18 j 18:57	0°♒	
	-2386 Jan 30 j 04:53	0°♓	
asc. node	-2386 Mar 14 j 12:22	29°♓29'54	
	-2386 Mar 15 j 06:22	0°♈	
evening set	-2386 Apr 19 j 00:35	22°♈55'47	
	-2386 Apr 29 j 21:33	0°♉	
conjunction	-2386 Jun 06 j 22:34	24°♉28'26	0°44'18
minimum elong	-2386 Jun 06 j 21:16	24°♉26'21	0°44'20
max. Earth dist.	-2386 Jun 11 j 16:12	27°♉29'58	2.66612 AU
	-2386 Jun 15 j 14:12	0°♊	
morning rise	-2386 Jul 22 j 23:01	23°♊48'52	
	-2386 Aug 01 j 15:55	0°♋	
	-2386 Sep 17 j 14:08	0°♌	
	-2386 Nov 03 j 05:50	0°♍	
	-2386 Dec 20 j 00:38	0°♎	
	-2385 Feb 06 j 03:37	0°♏	
desc. node	-2385 Mar 26 j 21:24	27°♏10'28	
	-2385 Apr 01 j 20:28	0°♐	
retrograde	-2385 May 22 j 07:23	13°♐32'22	
opposition	-2385 Jun 21 j 19:35	8°♐27'51	-5°36'27
min. Earth dist.	-2385 Jun 21 j 07:13	8°♐36'05	0.37577 AU
greatest brilliancy	-2385 Jun 21 j 15:25	8°♐30'38	-2.9m
direct	-2385 Jul 21 j 19:23	3°♐28'06	
	-2385 Oct 03 j 22:44	0°♑	
	-2385 Nov 21 j 21:33	0°♒	
	-2384 Jan 07 j 06:57	0°♓	
asc. node	-2384 Jan 30 j 10:39	14°♓59'43	
	-2384 Feb 22 j 18:02	0°♈	
	-2384 Apr 09 j 20:06	0°♉	
	-2384 May 27 j 06:12	0°♊	
evening set	-2384 May 28 j 00:28	0°♊28'54	
max. Earth dist.	-2384 Jul 04 j 09:19	24°♊14'50	2.66552 AU
conjunction	-2384 Jul 13 j 11:19	0°♋04'11	1°08'11
minimum elong	-2384 Jul 13 j 10:40	0°♋03'10	1°08'15
	-2384 Jul 13 j 08:42	0°♋	
morning rise	-2384 Aug 27 j 10:41	29°♋17'25	
	-2384 Aug 28 j 12:33	0°♌	
	-2384 Oct 12 j 09:13	0°♍	
	-2384 Nov 24 j 22:26	0°♎	
	-2383 Jan 06 j 09:16	0°♏	
desc. node	-2383 Feb 10 j 20:31	25°♏26'09	
	-2383 Feb 17 j 04:58	0°♐	
	-2383 Mar 31 j 09:33	0°♑	
	-2383 May 15 j 19:43	0°♒	
retrograde	-2383 Jul 27 j 19:58	27°♒35'40	
min. Earth dist.	-2383 Aug 24 j 20:34	22°♒15'59	0.45675 AU
opposition	-2383 Sep 01 j 22:22	19°♒28'37	-4°57'42
greatest brilliancy	-2383 Aug 31 j 15:19	19°♒55'32	-2.4m
direct	-2383 Oct 04 j 09:27	12°♒53'43	
	-2383 Dec 03 j 04:48	0°♓	
asc. node	-2383 Dec 17 j 10:32	6°♓59'42	
	-2382 Jan 28 j 09:52	0°♈	
	-2382 Mar 20 j 05:03	0°♉	
	-2382 May 08 j 08:02	0°♊	
	-2382 Jun 25 j 01:49	0°♋	
evening set	-2382 Jul 05 j 00:23	6°♋22'32	
max. Earth dist.	-2382 Jul 29 j 10:14	22°♋15'50	2.61161 AU
	-2382 Aug 10 j 02:52	0°♌	
conjunction	-2382 Aug 20 j 18:17	7°♌07'04	1°05'15
minimum elong	-2382 Aug 20 j 19:13	7°♌08'40	1°05'18
	-2382 Sep 23 j 05:31	0°♍	
morning rise	-2382 Oct 07 j 02:17	9°♍42'30	
	-2382 Nov 04 j 11:20	0°♎	
	-2382 Dec 15 j 03:52	0°♏	
desc. node	-2382 Dec 29 j 19:32	11°♏00'58	
	-2381 Jan 23 j 19:51	0°♐	
	-2381 Mar 04 j 04:41	0°♑	
	-2381 Apr 13 j 07:26	0°♒	
	-2381 May 25 j 21:16	0°♓	
	-2381 Jul 14 j 11:51	0°♈	
retrograde	-2381 Sep 11 j 12:33	18°♈12'37	
min. Earth dist.	-2381 Oct 14 j 20:49	10°♈45'59	0.57931 AU
opposition	-2381 Oct 20 j 19:52	8°♈25'35	-0°38'00
greatest brilliancy	-2381 Oct 20 j 16:49	8°♈28'34	-1.8m
asc. node	-2381 Nov 04 j 09:53	3°♈15'51	
direct	-2381 Nov 26 j 13:15	0°♈00'24	
	-2380 Feb 22 j 16:30	0°♉	
	-2380 Apr 16 j 14:37	0°♊	
	-2380 Jun 05 j 01:33	0°♋	
	-2380 Jul 21 j 14:12	0°♌	
evening set	-2380 Aug 13 j 13:41	15°♌29'01	
max. Earth dist.	-2380 Aug 29 j 03:50	26°♌15'11	2.50997 AU
	-2380 Sep 03 j 12:19	0°♍	
conjunction	-2380 Oct 03 j 03:21	21°♍11'29	0°28'23
minimum elong	-2380 Oct 03 j 04:43	21°♍13'58	0°28'22
	-2380 Oct 15 j 03:48	0°♎	
desc. node	-2380 Nov 15 j 18:25	23°♎41'39	
	-2380 Nov 24 j 00:47	0°♏	
morning rise	-2380 Nov 27 j 08:28	2°♏32'36	
	-2379 Jan 01 j 19:42	0°♐	
	-2379 Feb 09 j 07:33	0°♑	
	-2379 Mar 20 j 09:41	0°♒	
	-2379 Apr 30 j 02:22	0°♓	
	-2379 Jun 12 j 16:55	0°♈	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-2379 Aug 01 j 03:49	0°♉	
asc. node	-2379 Sep 21 j 08:58	22°♉18'31	
retrograde	-2379 Oct 17 j 06:46	26°♉13'43	
min. Earth dist.	-2379 Nov 24 j 02:32	17°♉14'24	0.65641 AU
opposition	-2379 Nov 26 j 09:38	16°♉19'04	2°25'23
greatest brilliancy	-2379 Nov 26 j 03:45	16°♉24'59	-1.4m
direct	-2378 Jan 04 j 22:30	6°♉52'34	
	-2378 Mar 21 j 04:33	0°♊	
	-2378 May 15 j 00:46	0°♋	
	-2378 Jul 02 j 04:03	0°♌	
	-2378 Aug 15 j 11:25	0°♍	
	-2378 Sep 25 j 23:20	0°♎	
evening set	-2378 Oct 01 j 20:01	4°♎22'22	
desc. node	-2378 Oct 03 j 16:20	5°♎45'25	
max. Earth dist.	-2378 Oct 31 j 23:17	27°♎17'30	2.38825 AU
	-2378 Nov 04 j 11:27	0°♏	
conjunction	-2378 Nov 30 j 15:05	20°♏23'18	-0°38'11
minimum elong	-2378 Nov 30 j 12:24	20°♏18'01	0°38'12
	-2378 Dec 12 j 20:35	0°♐	
	-2377 Jan 20 j 00:11	0°♑	
morning rise	-2377 Feb 06 j 09:27	13°♑32'36	
	-2377 Feb 27 j 19:34	0°♒	
	-2377 Apr 09 j 02:46	0°♓	
	-2377 May 21 j 15:46	0°♈	
	-2377 Jul 06 j 07:22	0°♉	
asc. node	-2377 Aug 09 j 09:08	20°♉36'04	
	-2377 Aug 26 j 04:06	0°♊	
	-2377 Nov 19 j 03:43	0°♋	
retrograde	-2377 Nov 20 j 22:06	0°♋01'10	
	-2377 Nov 22 j 16:14	30°℞♊	
opposition	-2377 Dec 30 j 14:34	20°♊33'30	4°15'09
greatest brilliancy	-2377 Dec 30 j 18:14	20°♊29'51	-1.3m
min. Earth dist.	-2376 Jan 01 j 03:19	19°♊56'59	0.67153 AU
direct	-2376 Feb 09 j 16:30	10°♊36'31	
	-2376 Apr 16 j 06:08	0°♋	
	-2376 Jun 09 j 07:06	0°♌	
	-2376 Jul 25 j 05:16	0°♍	
desc. node	-2376 Aug 20 j 15:25	18°♍38'53	
	-2376 Sep 05 j 03:55	0°♎	
	-2376 Oct 14 j 16:53	0°♏	
	-2376 Nov 22 j 00:16	0°♐	
evening set	-2376 Dec 04 j 15:46	9°♐58'34	
	-2376 Dec 30 j 02:58	0°♑	
	-2375 Feb 06 j 23:25	0°♒	
conjunction	-2375 Feb 08 j 19:57	1°♒24'28	-1°04'20
minimum elong	-2375 Feb 08 j 21:29	1°♒27'22	1°04'22
	-2375 Mar 19 j 08:25	0°♓	
max. Earth dist.	-2375 Mar 29 j 09:56	7°♓15'33	2.45552 AU
morning rise	-2375 Apr 13 j 09:20	17°♓53'40	
	-2375 Apr 30 j 18:49	0°♈	
	-2375 Jun 14 j 14:08	0°♉	
asc. node	-2375 Jun 26 j 07:57	7°♉35'33	
	-2375 Aug 01 j 02:00	0°♊	
	-2375 Sep 21 j 16:32	0°♋	
	-2375 Nov 28 j 03:04	0°♌	
retrograde	-2375 Dec 27 j 09:25	4°♌35'02	
	-2374 Jan 23 j 09:11	30°℞♋	
opposition	-2374 Feb 03 j 13:02	25°♋57'25	4°51'15
greatest brilliancy	-2374 Feb 04 j 09:42	25°♋37'33	-1.5m
min. Earth dist.	-2374 Feb 08 j 22:04	23°♋53'26	0.62180 AU
direct	-2374 Mar 16 j 16:17	16°♋01'33	
	-2374 May 08 j 14:05	0°♌	
	-2374 Jul 01 j 08:16	0°♍	
desc. node	-2374 Jul 08 j 14:31	4°♍41'15	
	-2374 Aug 14 j 08:46	0°♎	
	-2374 Sep 23 j 16:44	0°♏	
	-2374 Nov 01 j 10:13	0°♐	
	-2374 Dec 09 j 21:24	0°♑	
	-2373 Jan 18 j 03:08	0°♒	
evening set	-2373 Feb 09 j 17:23	16°♒47'05	
	-2373 Feb 27 j 22:01	0°♓	
conjunction	-2373 Apr 08 j 18:29	28°♓00'13	-0°20'47
minimum elong	-2373 Apr 08 j 19:36	28°♓02'08	0°20'46
	-2373 Apr 11 j 16:19	0°♈	
max. Earth dist.	-2373 May 07 j 12:47	17°♈28'17	2.57685 AU
asc. node	-2373 May 14 j 05:45	21°♈55'57	
	-2373 May 26 j 11:28	0°♉	
morning rise	-2373 May 31 j 20:15	3°♉30'39	
	-2373 Jul 12 j 01:53	0°♊	
	-2373 Aug 29 j 08:14	0°♋	
	-2373 Oct 19 j 00:02	0°♌	
	-2373 Dec 15 j 20:27	0°♍	
retrograde	-2372 Feb 12 j 08:47	15°♍31'34	
opposition	-2372 Mar 18 j 11:29	8°♍18'35	3°23'50
greatest brilliancy	-2372 Mar 19 j 14:07	7°♍55'06	-2.1m
min. Earth dist.	-2372 Mar 26 j 19:29	5°♍22'43	0.51224 AU
	-2372 Apr 17 j 11:26	30°℞♌	
direct	-2372 Apr 26 j 06:04	29°♌28'06	
	-2372 May 05 j 02:54	0°♍	
desc. node	-2372 May 25 j 13:03	4°♍44'47	
	-2372 Jul 15 j 04:45	0°♎	
	-2372 Aug 28 j 16:19	0°♏	
	-2372 Oct 08 j 06:52	0°♐	
	-2372 Nov 17 j 00:35	0°♑	
	-2372 Dec 27 j 07:57	0°♒	
	-2371 Feb 07 j 01:32	0°♓	
	-2371 Mar 22 j 14:27	0°♈	
asc. node	-2371 Mar 31 j 04:25	5°♈46'09	
evening set	-2371 Apr 01 j 20:16	6°♈52'48	
	-2371 May 06 j 21:08	0°♉	
conjunction	-2371 May 22 j 13:43	10°♉11'09	0°29'09
minimum elong	-2371 May 22 j 12:39	10°♉09'24	0°29'10
max. Earth dist.	-2371 Jun 02 j 12:16	17°♉14'13	2.65136 AU
	-2371 Jun 22 j 10:20	0°♊	
morning rise	-2371 Jul 08 j 20:19	10°♊27'30	
	-2371 Aug 08 j 15:40	0°♋	
	-2371 Sep 25 j 03:46	0°♌	
	-2371 Nov 12 j 03:05	0°♍	
	-2371 Dec 31 j 19:11	0°♎	
	-2370 Feb 26 j 13:31	0°♏	
desc. node	-2370 Apr 12 j 12:56	13°♏22'56	
retrograde	-2370 Apr 20 j 07:56	13°♏45'02	
opposition	-2370 May 21 j 02:04	8°♏32'24	-2°39'08
greatest brilliancy	-2370 May 21 j 11:39	8°♏25'44	-2.8m
min. Earth dist.	-2370 May 25 j 19:48	7°♏13'23	0.39185 AU
direct	-2370 Jun 22 j 05:40	2°♏44'57	
	-2370 Sep 03 j 18:23	0°♐	
	-2370 Oct 20 j 08:37	0°♑	
	-2370 Dec 03 j 08:11	0°♒	
	-2369 Jan 16 j 12:13	0°♓	
asc. node	-2369 Feb 16 j 03:01	20°♓23'47	
	-2369 Mar 02 j 17:38	0°♈	
	-2369 Apr 18 j 02:24	0°♉	
evening set	-2369 May 13 j 23:04	16°♉30'58	
	-2369 Jun 04 j 03:34	0°♊	
max. Earth dist.	-2369 Jun 26 j 03:33	14°♊00'16	2.67213 AU
conjunction	-2369 Jun 30 j 01:25	16°♊29'54	1°01'46
minimum elong	-2369 Jun 30 j 00:21	16°♊28'12	1°01'49
	-2369 Jul 21 j 04:14	0°♋	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

morning rise	-2369 Aug 14 j 02:10	15°♋23'57	
	-2369 Sep 05 j 13:09	0°♌	
	-2369 Oct 20 j 22:38	0°♍	
	-2369 Dec 04 j 09:23	0°♎	
	-2368 Jan 17 j 04:02	0°♏	
desc. node	-2368 Feb 28 j 13:29	29°♏03'06	
	-2368 Feb 29 j 23:02	0°♐	
	-2368 Apr 15 j 20:09	0°♑	
	-2368 Jun 19 j 16:11	0°♒	
retrograde	-2368 Jul 05 j 02:34	1°♒38'53	
	-2368 Jul 20 j 09:19	30°℞♑	
min. Earth dist.	-2368 Jul 31 j 18:59	27°♑01'59	0.41053 AU
greatest brilliancy	-2368 Aug 06 j 08:29	25°♑19'14	-2.7m
opposition	-2368 Aug 07 j 18:29	24°♑52'49	-6°24'19
direct	-2368 Sep 07 j 13:36	19°♑12'40	
	-2368 Oct 22 j 06:32	0°♒	
	-2368 Dec 19 j 04:40	0°♓	
asc. node	-2367 Jan 03 j 01:40	8°♓42'41	
	-2367 Feb 07 j 09:54	0°♈	
	-2367 Mar 28 j 06:17	0°♉	
	-2367 May 15 j 13:03	0°♊	
evening set	-2367 Jun 20 j 04:48	22°♊29'21	
	-2367 Jul 01 j 23:01	0°♋	
max. Earth dist.	-2367 Jul 19 j 10:05	11°♋15'29	2.63877 AU
conjunction	-2367 Aug 05 j 11:52	22°♋24'28	1°10'00
minimum elong	-2367 Aug 05 j 12:11	22°♋24'58	1°10'03
	-2367 Aug 16 j 23:50	0°♌	
morning rise	-2367 Sep 20 j 10:13	23°♌11'32	
	-2367 Sep 30 j 08:00	0°♍	
	-2367 Nov 11 j 23:45	0°♎	
	-2367 Dec 23 j 05:10	0°♏	
desc. node	-2366 Jan 15 j 11:56	17°♏17'14	
	-2366 Feb 01 j 11:33	0°♐	
	-2366 Mar 13 j 12:33	0°♑	
	-2366 Apr 23 j 14:18	0°♒	
	-2366 Jun 07 j 10:38	0°♓	
	-2366 Aug 15 j 02:56	0°♈	
retrograde	-2366 Aug 26 j 08:44	0°♈52'25	
	-2366 Sep 06 j 07:48	30°℞♓	
min. Earth dist.	-2366 Sep 26 j 14:52	24°♓12'38	0.53460 AU
opposition	-2366 Oct 03 j 19:41	21°♓28'08	-2°12'00
greatest brilliancy	-2366 Oct 03 j 06:58	21°♓40'17	-2.0m
direct	-2366 Nov 08 j 01:29	13°♓39'10	
asc. node	-2366 Nov 21 j 00:57	14°♓41'20	
	-2365 Jan 06 j 11:20	0°♈	
	-2365 Mar 05 j 08:54	0°♉	
	-2365 Apr 25 j 17:26	0°♊	
	-2365 Jun 13 j 08:03	0°♋	
evening set	-2365 Jul 29 j 03:38	29°♋41'50	
	-2365 Jul 29 j 14:33	0°♌	
max. Earth dist.	-2365 Aug 16 j 08:58	11°♌56'33	2.55459 AU
	-2365 Sep 11 j 13:23	0°♍	
conjunction	-2365 Sep 15 j 16:33	2°♍54'01	0°47'08
minimum elong	-2365 Sep 15 j 18:08	2°♍56'49	0°47'09
	-2365 Oct 23 j 09:21	0°♎	
morning rise	-2365 Nov 05 j 23:08	10°♎01'35	
	-2365 Dec 02 j 12:37	0°♏	
desc. node	-2365 Dec 03 j 11:05	0°♏42'42	
	-2364 Jan 10 j 14:03	0°♐	
	-2364 Feb 18 j 07:59	0°♑	
	-2364 Mar 28 j 16:15	0°♒	
	-2364 May 08 j 18:39	0°♓	
	-2364 Jun 22 j 11:20	0°♈	
	-2364 Aug 15 j 22:49	0°♉	
retrograde	-2364 Oct 03 j 13:27	12°♉27'49	
asc. node	-2364 Oct 08 j 00:27	12°♉19'43	
min. Earth dist.	-2364 Nov 08 j 18:33	4°♉00'42	0.63328 AU
opposition	-2364 Nov 12 j 12:44	2°♉30'24	1°23'56
greatest brilliancy	-2364 Nov 12 j 07:26	2°♉35'42	-1.5m
	-2364 Nov 18 j 22:00	30°℞♈	
direct	-2364 Dec 21 j 02:40	23°♈23'37	
	-2363 Jan 25 j 21:52	0°♉	
	-2363 Apr 01 j 09:51	0°♊	
	-2363 May 23 j 07:36	0°♋	
	-2363 Jul 09 j 15:36	0°♌	
	-2363 Aug 22 j 17:59	0°♍	
evening set	-2363 Sep 11 j 00:58	13°♍44'00	
max. Earth dist.	-2363 Sep 27 j 20:11	25°♍59'07	2.43313 AU
	-2363 Oct 03 j 06:32	0°♎	
desc. node	-2363 Oct 20 j 10:34	12°♎51'31	
conjunction	-2363 Nov 05 j 13:46	25°♎08'38	-0°11'06
minimum elong	-2363 Nov 05 j 12:59	25°♎07'08	0°11'06
behind sun begin	-2363 Nov 04 j 18:20	24°♎31'22	
behind sun end	-2363 Nov 06 j 07:39	25°♎42'56	
	-2363 Nov 11 j 21:19	0°♏	
	-2363 Dec 20 j 09:12	0°♐	
morning rise	-2362 Jan 07 j 23:00	14°♐35'32	
	-2362 Jan 27 j 14:48	0°♑	
	-2362 Mar 07 j 11:14	0°♒	
	-2362 Apr 16 j 19:38	0°♓	
	-2362 May 29 j 13:42	0°♈	
	-2362 Jul 15 j 00:31	0°♉	
asc. node	-2362 Aug 25 j 23:23	23°♉49'00	
	-2362 Sep 07 j 11:36	0°♊	
retrograde	-2362 Nov 07 j 10:06	17°♊14'46	
opposition	-2362 Dec 17 j 09:38	7°♊33'51	3°40'45
greatest brilliancy	-2362 Dec 17 j 08:08	7°♊35'21	-1.3m
min. Earth dist.	-2362 Dec 17 j 10:28	7°♊33'02	0.67336 AU
	-2361 Jan 08 j 09:13	30°℞♉	
direct	-2361 Jan 27 j 00:39	27°♉45'33	
	-2361 Feb 15 j 23:25	0°♊	
	-2361 Apr 29 j 07:32	0°♋	
	-2361 Jun 19 j 00:17	0°♌	
	-2361 Aug 03 j 02:24	0°♍	
desc. node	-2361 Sep 07 j 08:43	25°♍14'32	
	-2361 Sep 13 j 19:17	0°♎	
	-2361 Oct 23 j 07:04	0°♏	
evening set	-2361 Nov 08 j 11:52	12°♏37'10	
	-2361 Nov 30 j 14:17	0°♐	
	-2360 Jan 07 j 16:24	0°♑	
conjunction	-2360 Jan 13 j 02:59	4°♑15'27	-1°05'10
minimum elong	-2360 Jan 13 j 01:41	4°♑12'54	1°05'13
	-2360 Feb 15 j 11:14	0°♒	
max. Earth dist.	-2360 Feb 29 j 20:26	10°♒52'06	2.40316 AU
morning rise	-2360 Mar 20 j 17:26	25°♒36'23	
	-2360 Mar 26 j 17:53	0°♓	
	-2360 May 08 j 03:04	0°♈	
	-2360 Jun 22 j 01:58	0°♉	
asc. node	-2360 Jul 12 j 23:03	13°♉16'52	
	-2360 Aug 09 j 08:25	0°♊	
	-2360 Oct 03 j 03:32	0°♋	
retrograde	-2360 Dec 12 j 04:21	20°♋57'38	
opposition	-2359 Jan 20 j 01:47	11°♋57'22	4°47'26
greatest brilliancy	-2359 Jan 20 j 15:41	11°♋43'47	-1.4m
min. Earth dist.	-2359 Jan 23 j 23:14	10°♋26'04	0.64892 AU
direct	-2359 Mar 02 j 09:27	1°♋56'10	
	-2359 May 23 j 04:43	0°♌	
	-2359 Jul 11 j 03:05	0°♍	
desc. node	-2359 Jul 25 j 06:48	9°♍35'09	
	-2359 Aug 23 j 00:13	0°♎	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-2359 Oct 01 j 21:51	0°♏	
	-2359 Nov 09 j 09:39	0°♐	
	-2359 Dec 17 j 16:09	0°♑	
evening set	-2358 Jan 16 j 01:49	22°♑41'15	
	-2358 Jan 25 j 16:55	0°♒	
	-2358 Mar 07 j 06:27	0°♓	
conjunction	-2358 Mar 18 j 21:29	8°♓20'34	-0°41'14
minimum elong	-2358 Mar 18 j 23:41	8°♓24'29	0°41'15
	-2358 Apr 18 j 20:07	0°♈	
max. Earth dist.	-2358 Apr 24 j 16:42	4°♈00'49	2.53376 AU
morning rise	-2358 May 14 j 13:46	17°♈26'24	
asc. node	-2358 May 30 j 22:36	28°♈17'20	
	-2358 Jun 02 j 13:11	0°♉	
	-2358 Jul 19 j 08:11	0°♊	
	-2358 Sep 06 j 10:28	0°♋	
	-2358 Oct 29 j 20:55	0°♌	
retrograde	-2357 Jan 23 j 07:47	28°♌29'58	
opposition	-2357 Feb 28 j 20:22	20°♌38'22	4°19'32
greatest brilliancy	-2357 Mar 02 j 00:25	20°♌12'29	-1.8m
min. Earth dist.	-2357 Mar 08 j 07:29	17°♌53'24	0.56099 AU
direct	-2357 Apr 09 j 22:54	11°♌10'16	
	-2357 Jun 10 j 00:05	0°♍	
desc. node	-2357 Jun 12 j 06:00	1°♍11'06	
	-2357 Jul 29 j 03:15	0°♎	
	-2357 Sep 09 j 01:47	0°♏	
	-2357 Oct 18 j 14:33	0°♐	
	-2357 Nov 26 j 15:42	0°♑	
	-2356 Jan 05 j 09:48	0°♒	
	-2356 Feb 15 j 15:59	0°♓	
evening set	-2356 Mar 14 j 04:05	19°♓16'34	
	-2356 Mar 29 j 19:45	0°♈	
asc. node	-2356 Apr 16 j 20:23	12°♈09'05	
conjunction	-2356 May 06 j 06:00	25°♈01'05	0°11'14
minimum elong	-2356 May 06 j 05:29	25°♈00'15	0°11'15
behind sun begin	-2356 May 05 j 14:29	24°♈35'35	
behind sun end	-2356 May 06 j 20:30	25°♈24'55	
	-2356 May 13 j 20:13	0°♉	
max. Earth dist.	-2356 May 23 j 16:57	6°♉25'59	2.62852 AU
morning rise	-2356 Jun 24 j 06:53	26°♉46'43	
	-2356 Jun 29 j 07:59	0°♊	
	-2356 Aug 15 j 19:35	0°♋	
	-2356 Oct 03 j 03:44	0°♌	
	-2356 Nov 22 j 04:55	0°♍	
	-2355 Jan 17 j 03:45	0°♎	
retrograde	-2355 Mar 21 j 09:38	18°♎06'00	
opposition	-2355 Apr 22 j 22:14	12°♎07'18	0°23'59
greatest brilliancy	-2355 Apr 23 j 01:45	12°♎04'33	-2.6m
desc. node	-2355 Apr 29 j 05:36	10°♎09'31	
min. Earth dist.	-2355 Apr 30 j 15:19	9°♎43'56	0.43241 AU
direct	-2355 May 28 j 02:06	4°♎58'15	
	-2355 Aug 05 j 09:20	0°♏	
	-2355 Sep 20 j 03:34	0°♐	
	-2355 Nov 01 j 06:22	0°♑	
	-2355 Dec 13 j 03:04	0°♒	
	-2354 Jan 24 j 23:55	0°♓	
asc. node	-2354 Mar 04 j 18:36	26°♓16'14	
	-2354 Mar 10 j 09:02	0°♈	
	-2354 Apr 25 j 05:01	0°♉	
evening set	-2354 Apr 28 j 07:37	2°♉00'26	
	-2354 Jun 10 j 23:54	0°♊	
conjunction	-2354 Jun 15 j 11:02	2°♊50'48	0°51'42
minimum elong	-2354 Jun 15 j 09:45	2°♊48'45	0°51'44
max. Earth dist.	-2354 Jun 17 j 00:53	3°♊51'08	2.67058 AU
	-2354 Jul 28 j 00:47	0°♋	

morning rise	-2354 Jul 30 j 23:59	1°♋53'48	
	-2354 Sep 12 j 17:23	0°♌	
	-2354 Oct 28 j 20:25	0°♍	
	-2354 Dec 13 j 14:20	0°♎	
	-2353 Jan 28 j 14:11	0°♏	
desc. node	-2353 Mar 17 j 05:35	29°♏41'34	
	-2353 Mar 17 j 18:05	0°♐	
	-2353 May 23 j 16:55	0°♑	
retrograde	-2353 Jun 08 j 19:54	1°♑40'52	
	-2353 Jun 24 j 22:13	30°℞♐	
min. Earth dist.	-2353 Jul 06 j 12:30	27°♐10'31	0.38074 AU
greatest brilliancy	-2353 Jul 09 j 05:52	26°♐25'57	-2.9m
opposition	-2353 Jul 10 j 00:31	26°♐13'13	-6°31'41
direct	-2353 Aug 08 j 16:40	21°♐12'34	
	-2353 Sep 16 j 22:47	0°♑	
	-2353 Nov 13 j 07:58	0°♒	
	-2353 Dec 31 j 21:22	0°♓	
asc. node	-2352 Jan 20 j 17:38	12°♓32'14	
	-2352 Feb 17 j 07:57	0°♈	
	-2352 Apr 04 j 22:02	0°♉	
	-2352 May 22 j 14:20	0°♊	
evening set	-2352 Jun 05 j 11:31	8°♊46'19	
	-2352 Jul 08 j 19:14	0°♋	
max. Earth dist.	-2352 Jul 09 j 20:17	0°♋40'11	2.65838 AU
conjunction	-2352 Jul 21 j 17:56	8°♋20'19	1°10'05
minimum elong	-2352 Jul 21 j 17:37	8°♋19'48	1°10'09
	-2352 Aug 23 j 21:57	0°♌	
morning rise	-2352 Sep 04 j 21:40	7°♌57'04	
	-2352 Oct 07 j 14:06	0°♍	
	-2352 Nov 19 j 18:57	0°♎	
	-2352 Dec 31 j 17:44	0°♏	
desc. node	-2351 Feb 01 j 06:05	22°♏57'32	
	-2351 Feb 10 j 20:48	0°♐	
	-2351 Mar 24 j 00:21	0°♑	
	-2351 May 06 j 00:50	0°♒	
	-2351 Jun 26 j 21:33	0°♓	
retrograde	-2351 Aug 08 j 07:05	10°♓55'09	
min. Earth dist.	-2351 Sep 06 j 09:23	5°♓07'16	0.48488 AU
greatest brilliancy	-2351 Sep 13 j 09:24	2°♓35'53	-2.2m
opposition	-2351 Sep 14 j 10:16	2°♓13'24	-3°56'55
	-2351 Sep 20 j 19:26	30°℞♒	
direct	-2351 Oct 17 j 22:43	25°♒09'33	
	-2351 Nov 16 j 02:24	0°♓	
asc. node	-2351 Dec 07 j 16:04	7°♓59'40	
	-2350 Jan 21 j 01:30	0°♈	
	-2350 Mar 14 j 14:20	0°♉	
	-2350 May 03 j 09:15	0°♊	
	-2350 Jun 20 j 09:53	0°♋	
evening set	-2350 Jul 13 j 15:25	14°♋56'41	
max. Earth dist.	-2350 Aug 04 j 17:27	29°♋27'40	2.59342 AU
	-2350 Aug 05 j 12:55	0°♌	
conjunction	-2350 Aug 29 j 20:12	16°♌22'15	1°00'11
minimum elong	-2350 Aug 29 j 21:27	16°♌24'24	1°00'14
	-2350 Sep 18 j 14:35	0°♍	
morning rise	-2350 Oct 17 j 06:51	20°♍17'30	
	-2350 Oct 30 j 17:07	0°♎	
	-2350 Dec 10 j 05:01	0°♏	
desc. node	-2350 Dec 20 j 04:51	7°♏32'52	
	-2349 Jan 18 j 15:20	0°♐	
	-2349 Feb 26 j 17:50	0°♑	
	-2349 Apr 07 j 11:45	0°♒	
	-2349 May 19 j 07:17	0°♓	
	-2349 Jul 05 j 04:36	0°♈	
retrograde	-2349 Sep 20 j 05:17	27°♈42'45	
min. Earth dist.	-2349 Oct 24 j 14:59	19°♈52'51	0.60076 AU

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

asc. node	-2349 Oct 25 j 15:02	19°♈29'09	
opposition	-2349 Oct 29 j 19:33	17°♈49'17	0°10'34
greatest brilliancy	-2349 Oct 29 j 18:41	17°♈50'08	-1.7m
direct	-2349 Dec 06 j 05:56	9°♈07'30	
	-2348 Feb 14 j 10:02	0°♉	
	-2348 Apr 10 j 21:06	0°♊	
	-2348 May 31 j 01:57	0°♋	
	-2348 Jul 16 j 21:08	0°♌	
evening set	-2348 Aug 23 j 10:58	25°♌30'36	
	-2348 Aug 29 j 21:03	0°♍	
max. Earth dist.	-2348 Sep 07 j 08:42	5°♍59'30	2.48311 AU
	-2348 Oct 10 j 11:44	0°♎	
conjunction	-2348 Oct 14 j 12:28	2°♎59'06	0°15'12
minimum elong	-2348 Oct 14 j 13:20	3°♎00'41	0°15'10
behind sun begin	-2348 Oct 14 j 04:43	2°♎44'43	
behind sun end	-2348 Oct 14 j 21:57	3°♎16'40	
desc. node	-2348 Nov 06 j 03:15	19°♎58'08	
	-2348 Nov 19 j 06:44	0°♏	
morning rise	-2348 Dec 11 j 10:38	17°♏07'20	
	-2348 Dec 27 j 23:03	0°♐	
	-2347 Feb 04 j 08:24	0°♑	
	-2347 Mar 15 j 07:50	0°♒	
	-2347 Apr 24 j 19:56	0°♓	
	-2347 Jun 06 j 23:51	0°♈	
	-2347 Jul 24 j 21:20	0°♉	
asc. node	-2347 Sep 11 j 15:38	24°♉27'07	
	-2347 Sep 27 j 15:51	0°♊	
retrograde	-2347 Oct 25 j 01:03	4°♊17'16	
	-2347 Nov 19 j 09:27	30°℞♉	
min. Earth dist.	-2347 Dec 02 j 16:20	25°♉01'50	0.66507 AU
opposition	-2347 Dec 04 j 03:31	24°♉26'30	2°56'12
greatest brilliancy	-2347 Dec 03 j 22:31	24°♉31'31	-1.4m
direct	-2346 Jan 13 j 02:38	14°♉51'06	
	-2346 Mar 12 j 03:53	0°♊	
	-2346 May 09 j 04:20	0°♋	
	-2346 Jun 27 j 02:09	0°♌	
	-2346 Aug 10 j 16:04	0°♍	
	-2346 Sep 21 j 05:57	0°♎	
desc. node	-2346 Sep 24 j 01:43	2°♎06'01	
evening set	-2346 Oct 14 j 16:00	17°♎38'19	
	-2346 Oct 30 j 18:03	0°♏	
	-2346 Dec 08 j 02:12	0°♐	
max. Earth dist.	-2346 Dec 11 j 13:35	2°♐44'19	2.37445 AU
conjunction	-2346 Dec 15 j 21:44	6°♐09'36	-0°51'16
minimum elong	-2346 Dec 15 j 18:41	6°♐03'34	0°51'18
	-2345 Jan 15 j 04:46	0°♑	
morning rise	-2345 Feb 22 j 18:21	29°♑50'38	
	-2345 Feb 22 j 23:16	0°♒	
	-2345 Apr 04 j 05:11	0°♓	
	-2345 May 16 j 15:23	0°♈	
	-2345 Jun 30 j 22:06	0°♉	
asc. node	-2345 Jul 30 j 15:19	18°♉24'27	
	-2345 Aug 19 j 11:51	0°♊	
	-2345 Oct 20 j 17:11	0°♋	
retrograde	-2345 Nov 28 j 21:16	7°♋52'15	
	-2344 Jan 03 j 15:46	30°℞♊	
opposition	-2344 Jan 07 j 07:54	28°♊33'33	4°30'18
greatest brilliancy	-2344 Jan 07 j 15:04	28°♊26'28	-1.3m
min. Earth dist.	-2344 Jan 09 j 17:02	27°♊37'03	0.66619 AU
direct	-2344 Feb 17 j 13:08	18°♊33'41	
	-2344 Apr 06 j 00:12	0°♋	
	-2344 Jun 03 j 02:30	0°♌	
	-2344 Jul 19 j 21:26	0°♍	
desc. node	-2344 Aug 11 j 00:10	15°♍24'22	
	-2344 Aug 31 j 03:28	0°♎	
	-2344 Oct 09 j 19:33	0°♏	
	-2344 Nov 17 j 04:13	0°♐	
evening set	-2344 Dec 20 j 05:19	26°♐00'31	
	-2344 Dec 25 j 07:41	0°♑	
	-2343 Feb 02 j 04:48	0°♒	
conjunction	-2343 Feb 23 j 08:56	15°♒53'42	-0°58'09
minimum elong	-2343 Feb 23 j 11:17	15°♒58'03	0°58'10
	-2343 Mar 14 j 14:10	0°♓	
max. Earth dist.	-2343 Apr 09 j 06:21	18°♓20'25	2.48441 AU
morning rise	-2343 Apr 25 j 09:18	29°♓33'54	
	-2343 Apr 26 j 00:27	0°♈	
	-2343 Jun 09 j 17:20	0°♉	
asc. node	-2343 Jun 16 j 13:39	4°♉27'30	
	-2343 Jul 26 j 20:46	0°♊	
	-2343 Sep 15 j 06:25	0°♋	
	-2343 Nov 13 j 08:38	0°♌	
retrograde	-2342 Jan 05 j 17:08	13°♌14'29	
opposition	-2342 Feb 12 j 08:19	4°♌51'46	4°45'38
greatest brilliancy	-2342 Feb 13 j 08:23	4°♌28'54	-1.6m
min. Earth dist.	-2342 Feb 18 j 12:31	2°♌31'02	0.60238 AU
	-2342 Feb 25 j 12:46	30°℞♋	
direct	-2342 Mar 25 j 05:14	25°♋02'33	
	-2342 Apr 23 j 14:09	0°♌	
	-2342 Jun 24 j 05:42	0°♍	
desc. node	-2342 Jun 28 j 22:12	2°♍53'21	
	-2342 Aug 08 j 11:15	0°♎	
	-2342 Sep 18 j 06:08	0°♏	
	-2342 Oct 27 j 05:11	0°♐	
	-2342 Dec 04 j 20:20	0°♑	
	-2341 Jan 13 j 05:28	0°♒	
evening set	-2341 Feb 22 j 11:38	29°♒32'15	
	-2341 Feb 23 j 03:06	0°♓	
	-2341 Apr 06 j 23:33	0°♈	
conjunction	-2341 Apr 19 j 13:58	8°♈33'48	-0°08'49
minimum elong	-2341 Apr 19 j 14:25	8°♈34'33	0°08'47
behind sun begin	-2341 Apr 18 j 19:39	8°♈02'53	
behind sun end	-2341 Apr 20 j 09:11	9°♈06'13	
asc. node	-2341 May 04 j 12:37	18°♈34'52	
max. Earth dist.	-2341 May 14 j 02:12	24°♈55'26	2.59739 AU
	-2341 May 21 j 19:17	0°♉	
morning rise	-2341 Jun 10 j 00:22	12°♉30'32	
	-2341 Jul 07 j 07:35	0°♊	
	-2341 Aug 24 j 05:15	0°♋	
	-2341 Oct 12 j 19:40	0°♌	
	-2341 Dec 05 j 14:20	0°♍	
retrograde	-2340 Feb 25 j 01:13	26°♍40'16	
opposition	-2340 Mar 30 j 06:13	19°♍52'00	2°33'30
greatest brilliancy	-2340 Mar 31 j 03:50	19°♍33'34	-2.2m
min. Earth dist.	-2340 Apr 07 j 17:41	16°♍59'14	0.48327 AU
direct	-2340 May 06 j 22:47	11°♍31'13	
desc. node	-2340 May 15 j 22:23	12°♍04'17	
	-2340 Jul 04 j 10:09	0°♎	
	-2340 Aug 21 j 06:03	0°♏	
	-2340 Oct 01 j 22:23	0°♐	
	-2340 Nov 11 j 05:59	0°♑	
	-2340 Dec 21 j 23:15	0°♒	
	-2339 Feb 02 j 00:13	0°♓	
	-2339 Mar 17 j 18:50	0°♈	
asc. node	-2339 Mar 21 j 10:14	2°♈26'35	
evening set	-2339 Apr 11 j 19:49	16°♈39'24	
	-2339 May 02 j 05:04	0°♉	
conjunction	-2339 May 31 j 11:20	18°♉53'54	0°38'18
minimum elong	-2339 May 31 j 10:06	18°♉51'54	0°38'20
max. Earth dist.	-2339 Jun 07 j 23:50	23°♉43'08	2.66062 AU

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-2339 Jun 17 j 19:33	0°♊	
morning rise	-2339 Jul 16 j 23:31	18°♊34'57	
	-2339 Aug 03 j 22:29	0°♋	
	-2339 Sep 20 j 02:21	0°♌	
	-2339 Nov 06 j 06:45	0°♍	
	-2339 Dec 24 j 02:50	0°♎	
	-2338 Feb 12 j 17:39	0°♏	
desc. node	-2338 Apr 02 j 23:00	23°♏30'41	
	-2338 Apr 29 j 09:35	0°♐	
retrograde	-2338 May 08 j 06:06	0°♐29'52	
	-2338 May 17 j 02:18	30°℞♏	
opposition	-2338 Jun 07 j 15:04	25°♏28'54	-4°27'14
greatest brilliancy	-2338 Jun 07 j 20:30	25°♏25'16	-2.9m
min. Earth dist.	-2338 Jun 09 j 14:51	24°♏56'49	0.37913 AU
direct	-2338 Jul 08 j 09:30	20°♏14'48	
	-2338 Aug 18 j 00:11	0°♐	
	-2338 Oct 11 j 08:52	0°♑	
	-2338 Nov 26 j 12:09	0°♒	
	-2337 Jan 10 j 17:23	0°♓	
asc. node	-2337 Feb 06 j 08:01	17°♓29'30	
	-2337 Feb 25 j 13:17	0°♈	
	-2337 Apr 13 j 06:29	0°♉	
evening set	-2337 May 22 j 16:11	25°♉01'38	
	-2337 May 30 j 12:18	0°♊	
max. Earth dist.	-2337 Jul 01 j 11:44	20°♊20'19	2.66957 AU
conjunction	-2337 Jul 08 j 08:27	24°♊43'26	1°05'58
minimum elong	-2337 Jul 08 j 07:37	24°♊42'07	1°06'01
	-2337 Jul 16 j 14:09	0°♋	
morning rise	-2337 Aug 22 j 06:39	23°♋43'50	
	-2337 Aug 31 j 20:31	0°♌	
	-2337 Oct 15 j 23:15	0°♍	
	-2337 Nov 28 j 21:46	0°♎	
	-2336 Jan 10 j 21:44	0°♏	
desc. node	-2336 Feb 18 j 22:09	27°♏30'47	
	-2336 Feb 22 j 10:55	0°♐	
	-2336 Apr 05 j 19:47	0°♑	
	-2336 May 24 j 12:45	0°♒	
retrograde	-2336 Jul 18 j 09:56	17°♒14'19	
min. Earth dist.	-2336 Aug 14 j 16:37	12°♒16'27	0.43483 AU
greatest brilliancy	-2336 Aug 21 j 02:36	10°♒09'35	-2.5m
opposition	-2336 Aug 22 j 12:40	9°♒41'21	-5°40'25
direct	-2336 Sep 23 j 04:14	3°♒31'08	
	-2336 Dec 10 j 04:22	0°♓	
asc. node	-2336 Dec 24 j 07:42	7°♓39'15	
	-2335 Feb 01 j 03:35	0°♈	
	-2335 Mar 22 j 23:45	0°♉	
	-2335 May 10 j 17:28	0°♊	
	-2335 Jun 27 j 08:16	0°♋	
evening set	-2335 Jun 28 j 16:16	0°♋51'11	
max. Earth dist.	-2335 Jul 25 j 05:36	18°♋01'23	2.62480 AU
	-2335 Aug 12 j 09:59	0°♌	
conjunction	-2335 Aug 14 j 03:38	1°♌09'11	1°07'51
minimum elong	-2335 Aug 14 j 04:19	1°♌10'19	1°07'53
	-2335 Sep 25 j 16:04	0°♍	
morning rise	-2335 Sep 29 j 18:09	2°♍50'10	
	-2335 Nov 07 j 02:53	0°♎	
	-2335 Dec 18 j 01:33	0°♏	
desc. node	-2334 Jan 05 j 21:07	14°♏04'25	
	-2334 Jan 26 j 23:39	0°♐	
	-2334 Mar 07 j 14:40	0°♑	
	-2334 Apr 17 j 01:07	0°♒	
	-2334 May 30 j 06:53	0°♓	
	-2334 Jul 22 j 02:35	0°♈	
retrograde	-2334 Sep 04 j 20:01	11°♈27'19	
min. Earth dist.	-2334 Oct 07 j 06:13	4°♈20'24	0.56017 AU
opposition	-2334 Oct 13 j 18:44	1°♈48'25	-1°16'11
greatest brilliancy	-2334 Oct 13 j 12:01	1°♈54'57	-1.9m
	-2334 Oct 18 j 12:22	30°℞♓	
asc. node	-2334 Nov 11 j 07:13	24°♓01'01	
direct	-2334 Nov 18 j 20:47	23°♓38'14	
	-2334 Dec 23 j 08:31	0°♈	
	-2333 Feb 26 j 16:10	0°♉	
	-2333 Apr 20 j 09:30	0°♊	
	-2333 Jun 08 j 12:04	0°♋	
	-2333 Jul 24 j 23:01	0°♌	
evening set	-2333 Aug 07 j 09:41	8°♌59'46	
max. Earth dist.	-2333 Aug 24 j 00:57	20°♌20'19	2.53069 AU
	-2333 Sep 06 j 22:46	0°♍	
conjunction	-2333 Sep 25 j 22:58	13°♍28'19	0°37'02
minimum elong	-2333 Sep 26 j 00:31	13°♍31'06	0°37'03
	-2333 Oct 18 j 17:13	0°♎	
morning rise	-2333 Nov 18 j 05:49	22°♎47'08	
desc. node	-2333 Nov 23 j 20:19	27°♎02'08	
	-2333 Nov 27 j 17:47	0°♏	
	-2332 Jan 05 j 15:47	0°♐	
	-2332 Feb 13 j 05:57	0°♑	
	-2332 Mar 23 j 09:53	0°♒	
	-2332 May 03 j 04:45	0°♓	
	-2332 Jun 16 j 02:30	0°♈	
	-2332 Aug 05 j 21:57	0°♉	
asc. node	-2332 Sep 28 j 06:15	19°♉47'42	
retrograde	-2332 Oct 11 j 12:55	20°♉54'01	
min. Earth dist.	-2332 Nov 17 j 15:38	12°♉08'21	0.64723 AU
opposition	-2332 Nov 20 j 14:14	10°♉57'26	2°01'12
greatest brilliancy	-2332 Nov 20 j 08:08	11°♉03'34	-1.5m
direct	-2332 Dec 29 j 16:51	1°♉39'07	
	-2331 Mar 25 j 09:52	0°♊	
	-2331 May 17 j 21:54	0°♋	
	-2331 Jul 04 j 17:47	0°♌	
	-2331 Aug 18 j 00:23	0°♍	
evening set	-2331 Sep 22 j 13:21	25°♍33'18	
	-2331 Sep 28 j 13:41	0°♎	
desc. node	-2331 Oct 10 j 18:24	9°♎06'39	
max. Earth dist.	-2331 Oct 14 j 10:33	11°♎52'47	2.40681 AU
	-2331 Nov 07 j 03:52	0°♏	
conjunction	-2331 Nov 19 j 09:01	9°♏28'05	-0°26'48
minimum elong	-2331 Nov 19 j 07:04	9°♏24'18	0°26'48
	-2331 Dec 15 j 14:31	0°♐	
	-2330 Jan 22 j 18:47	0°♑	
morning rise	-2330 Jan 24 j 11:14	1°♑19'05	
	-2330 Mar 02 j 13:57	0°♒	
	-2330 Apr 11 j 20:19	0°♓	
	-2330 May 24 j 09:30	0°♈	
	-2330 Jul 09 j 05:54	0°♉	
asc. node	-2330 Aug 16 j 06:26	22°♉31'18	
	-2330 Aug 30 j 03:45	0°♊	
retrograde	-2330 Nov 15 j 03:53	25°♊01'53	
opposition	-2330 Dec 24 j 23:47	15°♊27'58	4°02'00
greatest brilliancy	-2330 Dec 25 j 01:01	15°♊26'45	-1.3m
min. Earth dist.	-2330 Dec 25 j 20:41	15°♊07'08	0.67359 AU
direct	-2329 Feb 03 j 21:06	5°♊34'14	
	-2329 Apr 21 j 22:31	0°♋	
	-2329 Jun 13 j 10:30	0°♌	
	-2329 Jul 29 j 01:07	0°♍	
desc. node	-2329 Aug 28 j 16:59	21°♍45'40	
	-2329 Sep 08 j 22:13	0°♎	
	-2329 Oct 18 j 11:23	0°♏	
evening set	-2329 Nov 23 j 15:55	28°♏19'38	
	-2329 Nov 25 j 18:49	0°♐	
	-2328 Jan 02 j 20:52	0°♑	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

conjunction	-2328 Jan 29 j 00:31	20°♑19'29	-1°06'26
minimum elong	-2328 Jan 29 j 00:57	20°♑20'19	1°06'30
	-2328 Feb 10 j 15:55	0°♒	
max. Earth dist.	-2328 Mar 19 j 03:41	27°♒57'56	2.43174 AU
	-2328 Mar 21 j 22:41	0°♓	
morning rise	-2328 Apr 03 j 13:30	9°♓06'27	
	-2328 May 03 j 07:05	0°♈	
	-2328 Jun 17 j 02:07	0°♉	
asc. node	-2328 Jul 03 j 05:39	10°♉23'11	
	-2328 Aug 03 j 19:17	0°♊	
	-2328 Sep 25 j 09:31	0°♋	
retrograde	-2328 Dec 20 j 18:08	29°♋07'26	
opposition	-2327 Jan 28 j 06:16	20°♋19'10	4°51'06
greatest brilliancy	-2327 Jan 29 j 00:01	20°♋01'58	-1.4m
min. Earth dist.	-2327 Feb 01 j 23:33	18°♋29'19	0.63522 AU
direct	-2327 Mar 10 j 12:14	10°♋19'48	
	-2327 May 14 j 17:58	0°♌	
	-2327 Jul 05 j 02:14	0°♍	
desc. node	-2327 Jul 15 j 16:29	6°♍59'45	
	-2327 Aug 17 j 14:53	0°♎	
	-2327 Sep 26 j 18:47	0°♏	
	-2327 Nov 04 j 09:37	0°♐	
	-2327 Dec 12 j 18:02	0°♑	
	-2326 Jan 20 j 20:34	0°♒	
evening set	-2326 Jan 30 j 08:47	7°♒08'25	
	-2326 Mar 02 j 11:42	0°♓	
conjunction	-2326 Mar 31 j 02:06	20°♓17'42	-0°29'37
minimum elong	-2326 Mar 31 j 03:43	20°♓20'31	0°29'37
	-2326 Apr 14 j 02:32	0°♈	
max. Earth dist.	-2326 May 02 j 07:40	12°♈23'23	2.55856 AU
asc. node	-2326 May 21 j 03:10	24°♈56'33	
morning rise	-2326 May 24 j 15:51	27°♈16'19	
	-2326 May 28 j 19:23	0°♉	
	-2326 Jul 14 j 10:32	0°♊	
	-2326 Aug 31 j 23:28	0°♋	
	-2326 Oct 22 j 13:40	0°♌	
	-2326 Dec 24 j 10:02	0°♍	
retrograde	-2325 Feb 03 j 09:01	8°♍22'25	
opposition	-2325 Mar 11 j 03:16	0°♍51'07	3°51'26
greatest brilliancy	-2325 Mar 12 j 07:16	0°♍25'50	-1.9m
	-2325 Mar 13 j 11:45	30°℞♌	
min. Earth dist.	-2325 Mar 19 j 03:00	27°♌58'21	0.53485 AU
direct	-2325 Apr 19 j 13:32	21°♌41'15	
	-2325 May 27 j 10:13	0°♍	
desc. node	-2325 Jun 02 j 15:14	2°♍36'05	
	-2325 Jul 21 j 15:52	0°♎	
	-2325 Sep 02 j 20:20	0°♏	
	-2325 Oct 12 j 22:11	0°♐	
	-2325 Nov 21 j 07:11	0°♑	
	-2325 Dec 31 j 07:18	0°♒	
	-2324 Feb 10 j 18:11	0°♓	
evening set	-2324 Mar 25 j 01:04	29°♓59'14	
	-2324 Mar 25 j 01:32	0°♈	
asc. node	-2324 Apr 07 j 01:55	8°♈46'18	
	-2324 May 09 j 04:09	0°♉	
conjunction	-2324 May 15 j 17:54	4°♉17'15	0°21'56
minimum elong	-2324 May 15 j 17:01	4°♉15'49	0°21'58
max. Earth dist.	-2324 May 29 j 13:15	13°♉14'16	2.64219 AU
	-2324 Jun 24 j 15:55	0°♊	
morning rise	-2324 Jul 02 j 17:22	5°♊08'24	
	-2324 Aug 10 j 23:17	0°♋	
	-2324 Sep 27 j 19:11	0°♌	
	-2324 Nov 15 j 13:06	0°♍	
	-2323 Jan 06 j 04:48	0°♎	
	-2323 Mar 17 j 06:21	0°♏	
retrograde	-2323 Apr 06 j 17:42	2°♏25'11	
desc. node	-2323 Apr 19 j 14:42	1°♏23'48	
	-2323 Apr 26 j 17:06	30°℞♎	
opposition	-2323 May 08 j 05:09	26°♎54'13	-1°14'56
greatest brilliancy	-2323 May 08 j 11:53	26°♎49'18	-2.7m
min. Earth dist.	-2323 May 14 j 15:27	25°♎01'58	0.40777 AU
direct	-2323 Jun 10 j 17:20	20°♎31'22	
	-2323 Jul 20 j 05:57	0°♏	
	-2323 Sep 11 j 05:13	0°♐	
	-2323 Oct 25 j 06:34	0°♑	
	-2323 Dec 07 j 02:58	0°♒	
	-2322 Jan 19 j 14:35	0°♓	
asc. node	-2322 Feb 23 j 00:53	23°♓09'05	
	-2322 Mar 05 j 09:12	0°♈	
	-2322 Apr 20 j 11:04	0°♉	
evening set	-2322 May 07 j 08:53	10°♉51'05	
	-2322 Jun 06 j 08:56	0°♊	
max. Earth dist.	-2322 Jun 22 j 09:13	10°♊12'03	2.67247 AU
conjunction	-2322 Jun 23 j 21:08	11°♊09'15	0°57'59
minimum elong	-2322 Jun 23 j 19:58	11°♊07'23	0°58'02
	-2322 Jul 23 j 09:33	0°♋	
morning rise	-2322 Aug 08 j 01:48	10°♋03'29	
	-2322 Sep 07 j 22:04	0°♌	
	-2322 Oct 23 j 15:19	0°♍	
	-2322 Dec 07 j 14:51	0°♎	
	-2321 Jan 21 j 05:50	0°♏	
desc. node	-2321 Mar 07 j 15:19	0°♐07'15	
	-2321 Mar 07 j 10:51	0°♐	
	-2321 Apr 25 j 22:55	0°♑	
retrograde	-2321 Jun 24 j 19:46	19°♑21'35	
min. Earth dist.	-2321 Jul 21 j 13:33	14°♑53'58	0.39425 AU
greatest brilliancy	-2321 Jul 26 j 01:32	13°♑35'33	-2.8m
opposition	-2321 Jul 27 j 07:02	13°♑13'56	-6°42'10
direct	-2321 Aug 26 j 11:17	7°♑55'31	
	-2321 Nov 02 j 11:27	0°♒	
	-2321 Dec 24 j 20:20	0°♓	
asc. node	-2320 Jan 10 j 23:21	10°♓26'23	
	-2320 Feb 11 j 15:17	0°♈	
	-2320 Mar 30 j 20:45	0°♉	
	-2320 May 17 j 20:48	0°♊	
evening set	-2320 Jun 13 j 22:22	17°♊04'43	
	-2320 Jul 04 j 04:42	0°♋	
max. Earth dist.	-2320 Jul 15 j 09:29	7°♋12'11	2.64853 AU
conjunction	-2320 Jul 30 j 03:51	16°♋46'50	1°10'34
minimum elong	-2320 Jul 30 j 03:53	16°♋46'54	1°10'37
	-2320 Aug 19 j 06:58	0°♌	
morning rise	-2320 Sep 13 j 16:04	16°♌57'57	
	-2320 Oct 02 j 19:26	0°♍	
	-2320 Nov 14 j 17:30	0°♎	
	-2320 Dec 26 j 06:49	0°♏	
desc. node	-2319 Jan 22 j 14:06	20°♏06'49	
	-2319 Feb 04 j 21:54	0°♐	
	-2319 Mar 17 j 08:43	0°♑	
	-2319 Apr 28 j 01:39	0°♒	
	-2319 Jun 13 j 16:24	0°♓	
retrograde	-2319 Aug 18 j 21:18	23°♓02'12	
min. Earth dist.	-2319 Sep 18 j 03:36	16°♓45'08	0.51267 AU
opposition	-2319 Sep 25 j 18:58	13°♓54'13	-2°56'00
greatest brilliancy	-2319 Sep 25 j 01:10	14°♓10'51	-2.1m
direct	-2319 Oct 30 j 07:20	6°♓24'11	
asc. node	-2319 Nov 27 j 22:24	11°♓02'39	
	-2318 Jan 12 j 13:10	0°♈	
	-2318 Mar 08 j 16:28	0°♉	
	-2318 Apr 28 j 07:45	0°♊	
	-2318 Jun 15 j 16:39	0°♋	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

evening set	-2318 Jul 22 j 10:19	23°♋42'44	
	-2318 Jul 31 j 22:32	0°♌	
max. Earth dist.	-2318 Aug 11 j 07:42	6°♌56'18	2.57273 AU
conjunction	-2318 Sep 08 j 07:05	26°♌02'24	0°53'20
minimum elong	-2318 Sep 08 j 08:35	26°♌04'59	0°53'21
	-2318 Sep 13 j 23:41	0°♍	
	-2318 Oct 25 j 23:19	0°♎	
morning rise	-2318 Oct 28 j 04:09	1°♎36'35	
	-2318 Dec 05 j 06:56	0°♏	
desc. node	-2318 Dec 10 j 12:59	3°♏58'44	
	-2317 Jan 13 j 12:29	0°♐	
	-2317 Feb 21 j 09:45	0°♑	
	-2317 Apr 01 j 21:13	0°♒	
	-2317 May 13 j 04:33	0°♓	
	-2317 Jun 27 j 12:27	0°♈	
	-2317 Aug 25 j 11:24	0°♉	
retrograde	-2317 Sep 28 j 13:34	6°♉43'25	
asc. node	-2317 Oct 15 j 22:11	4°♉36'15	
	-2317 Oct 30 j 05:30	30°℞♈	
min. Earth dist.	-2317 Nov 02 j 23:41	28°♈32'01	0.61984 AU
opposition	-2317 Nov 07 j 09:00	26°♈46'48	0°54'41
greatest brilliancy	-2317 Nov 07 j 05:00	26°♈50'48	-1.6m
direct	-2317 Dec 15 j 10:38	17°♈50'29	
	-2316 Feb 04 j 04:28	0°♉	
	-2316 Apr 04 j 19:52	0°♊	
	-2316 May 25 j 23:43	0°♋	
	-2316 Jul 12 j 03:12	0°♌	
	-2316 Aug 25 j 05:52	0°♍	
evening set	-2316 Sep 02 j 18:26	6°♍00'53	
max. Earth dist.	-2316 Sep 18 j 01:48	16°♍59'17	2.45551 AU
	-2316 Oct 05 j 20:22	0°♎	
conjunction	-2316 Oct 26 j 15:18	15°♎33'23	0°00'38
minimum elong	-2316 Oct 26 j 15:21	15°♎33'28	0°00'36
behind sun begin	-2316 Oct 25 j 15:22	14°♎48'09	
behind sun end	-2316 Oct 27 j 15:20	16°♎18'50	
desc. node	-2316 Oct 27 j 12:51	16°♎14'08	
	-2316 Nov 14 j 13:40	0°♏	
	-2316 Dec 23 j 03:43	0°♐	
morning rise	-2316 Dec 26 j 14:00	2°♐41'15	
	-2315 Jan 30 j 10:32	0°♑	
	-2315 Mar 10 j 07:25	0°♒	
	-2315 Apr 19 j 16:02	0°♓	
	-2315 Jun 01 j 11:52	0°♈	
	-2315 Jul 18 j 08:31	0°♉	
asc. node	-2315 Sep 01 j 21:18	24°♉51'09	
	-2315 Sep 13 j 06:57	0°♊	
retrograde	-2315 Nov 01 j 18:25	12°♊12'29	
opposition	-2315 Dec 11 j 19:20	2°♊26'44	3°23'25
min. Earth dist.	-2315 Dec 11 j 04:11	2°♊41'55	0.67098 AU
greatest brilliancy	-2315 Dec 11 j 16:01	2°♊30'03	-1.3m
	-2315 Dec 17 j 23:26	30°℞♉	
direct	-2314 Jan 21 j 03:20	22°♉43'39	
	-2314 Feb 28 j 01:35	0°♊	
	-2314 May 02 j 22:28	0°♋	
	-2314 Jun 21 j 20:59	0°♌	
	-2314 Aug 05 j 19:14	0°♍	
desc. node	-2314 Sep 14 j 10:54	28°♍29'12	
	-2314 Sep 16 j 11:56	0°♎	
	-2314 Oct 26 j 00:40	0°♏	
evening set	-2314 Oct 28 j 07:36	1°♏46'19	
	-2314 Dec 03 j 08:36	0°♐	
conjunction	-2314 Dec 31 j 16:53	22°♐21'07	-1°00'50
minimum elong	-2314 Dec 31 j 14:29	22°♐16'25	1°00'53
	-2313 Jan 10 j 10:30	0°♑	
max. Earth dist.	-2313 Feb 06 j 19:15	21°♑16'50	2.38385 AU
	-2313 Feb 18 j 04:20	0°♒	
morning rise	-2313 Mar 10 j 08:58	15°♒14'11	
	-2313 Mar 30 j 09:23	0°♓	
	-2313 May 11 j 17:11	0°♈	
	-2313 Jun 25 j 17:16	0°♉	
asc. node	-2313 Jul 20 j 20:32	15°♉51'12	
	-2313 Aug 13 j 08:53	0°♊	
	-2313 Oct 09 j 04:37	0°♋	
retrograde	-2313 Dec 07 j 00:22	15°♋46'52	
opposition	-2312 Jan 15 j 04:00	6°♋37'58	4°41'32
greatest brilliancy	-2312 Jan 15 j 14:54	6°♋27'16	-1.4m
min. Earth dist.	-2312 Jan 18 j 09:20	5°♋21'56	0.65794 AU
	-2312 Feb 02 j 13:24	30°℞♊	
direct	-2312 Feb 25 j 11:02	26°♊36'33	
	-2312 Mar 21 j 01:10	0°♋	
	-2312 May 27 j 09:39	0°♌	
	-2312 Jul 14 j 09:08	0°♍	
desc. node	-2312 Aug 01 j 08:45	12°♍19'59	
	-2312 Aug 26 j 00:30	0°♎	
	-2312 Oct 04 j 20:22	0°♏	
	-2312 Nov 12 j 07:00	0°♐	
	-2312 Dec 20 j 11:43	0°♑	
evening set	-2311 Jan 04 j 13:58	11°♑44'06	
	-2311 Jan 28 j 10:01	0°♒	
conjunction	-2311 Mar 09 j 01:04	29°♒24'47	-0°49'09
minimum elong	-2311 Mar 09 j 03:32	29°♒29'14	0°49'09
	-2311 Mar 09 j 20:30	0°♓	
max. Earth dist.	-2311 Apr 18 j 11:35	28°♓03'32	2.51225 AU
	-2311 Apr 21 j 07:04	0°♈	
morning rise	-2311 May 06 j 14:07	10°♈26'43	
	-2311 Jun 04 j 22:29	0°♉	
asc. node	-2311 Jun 06 j 19:57	1°♉14'29	
	-2311 Jul 21 j 19:15	0°♊	
	-2311 Sep 09 j 07:40	0°♋	
	-2311 Nov 03 j 11:10	0°♌	
retrograde	-2310 Jan 15 j 12:35	22°♌13'22	
opposition	-2310 Feb 21 j 13:19	14°♌07'00	4°33'05
greatest brilliancy	-2310 Feb 22 j 15:58	13°♌42'02	-1.7m
min. Earth dist.	-2310 Feb 28 j 10:59	11°♌31'55	0.58062 AU
direct	-2310 Apr 03 j 01:12	4°♌27'34	
	-2310 Jun 16 j 02:00	0°♍	
desc. node	-2310 Jun 19 j 07:54	1°♍51'26	
	-2310 Aug 02 j 05:33	0°♎	
	-2310 Sep 12 j 15:06	0°♏	
	-2310 Oct 21 j 21:25	0°♐	
	-2310 Nov 29 j 17:12	0°♑	
	-2309 Jan 08 j 06:07	0°♒	
	-2309 Feb 18 j 07:10	0°♓	
evening set	-2309 Mar 06 j 12:20	11°♓29'19	
	-2309 Apr 02 j 06:13	0°♈	
asc. node	-2309 Apr 24 j 18:12	15°♈11'22	
conjunction	-2309 Apr 29 j 20:41	18°♈35'28	0°03'01
minimum elong	-2309 Apr 29 j 20:34	18°♈35'16	0°03'03
behind sun begin	-2309 Apr 28 j 23:17	17°♈59'54	
behind sun end	-2309 Apr 30 j 17:50	19°♈10'37	
	-2309 May 17 j 03:23	0°♉	
max. Earth dist.	-2309 May 20 j 07:40	2°♉04'57	2.61561 AU
morning rise	-2309 Jun 18 j 21:12	21°♉13'58	
	-2309 Jul 02 j 14:16	0°♊	
	-2309 Aug 19 j 05:06	0°♋	
	-2309 Oct 07 j 00:23	0°♌	
	-2309 Nov 27 j 07:54	0°♍	
	-2308 Jan 28 j 03:59	0°♎	
retrograde	-2308 Mar 09 j 19:44	8°♎47'46	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

opposition	-2308 Apr 12 j 03:25	2°♎26'08	1°26'31
greatest brilliancy	-2308 Apr 12 j 16:06	2°♎15'48	-2.4m
	-2308 Apr 19 j 15:24	30°℞♍	
min. Earth dist.	-2308 Apr 20 j 09:57	29°♍45'23	0.45472 AU
desc. node	-2308 May 06 j 07:30	25°♍45'03	
direct	-2308 May 18 j 12:25	24°♍42'26	
	-2308 Jun 16 j 10:47	0°♎	
	-2308 Aug 12 j 13:23	0°♏	
	-2308 Sep 25 j 01:00	0°♐	
	-2308 Nov 05 j 04:56	0°♑	
	-2308 Dec 16 j 10:55	0°♒	
	-2307 Jan 27 j 21:01	0°♓	
asc. node	-2307 Mar 11 j 16:16	29°♓10'20	
	-2307 Mar 12 j 21:58	0°♈	
evening set	-2307 Apr 21 j 09:15	26°♈00'48	
	-2307 Apr 27 j 12:30	0°♉	
conjunction	-2307 Jun 09 j 03:22	27°♉24'32	0°46'28
minimum elong	-2307 Jun 09 j 02:04	27°♉22'27	0°46'31
max. Earth dist.	-2307 Jun 13 j 09:25	0°♊07'27	2.66715 AU
	-2307 Jun 13 j 04:45	0°♊	
morning rise	-2307 Jul 25 j 01:15	26°♊40'48	
	-2307 Jul 30 j 06:12	0°♋	
	-2307 Sep 15 j 03:36	0°♌	
	-2307 Oct 31 j 16:51	0°♍	
	-2307 Dec 17 j 05:46	0°♎	
	-2306 Feb 02 j 18:37	0°♏	
desc. node	-2306 Mar 24 j 06:49	28°♏32'24	
	-2306 Mar 27 j 03:22	0°♐	
retrograde	-2306 May 26 j 08:26	18°♐21'36	
opposition	-2306 Jun 25 j 22:07	13°♐14'12	-5°53'20
min. Earth dist.	-2306 Jun 24 j 18:26	13°♐32'36	0.37612 AU
greatest brilliancy	-2306 Jun 25 j 15:06	13°♐18'52	-2.9m
direct	-2306 Jul 25 j 17:16	8°♐15'52	
	-2306 Sep 29 j 12:54	0°♑	
	-2306 Nov 18 j 20:12	0°♒	
	-2305 Jan 04 j 14:58	0°♓	
asc. node	-2305 Jan 27 j 15:02	14°♓50'22	
	-2305 Feb 20 j 05:37	0°♈	
	-2305 Apr 08 j 09:15	0°♉	
	-2305 May 25 j 20:27	0°♊	
evening set	-2305 May 31 j 04:51	3°♊23'07	
max. Earth dist.	-2305 Jul 06 j 21:12	26°♊43'08	2.66443 AU
	-2305 Jul 12 j 00:05	0°♋	
conjunction	-2305 Jul 16 j 14:21	2°♋56'59	1°08'50
minimum elong	-2305 Jul 16 j 13:48	2°♋56'07	1°08'54
	-2305 Aug 27 j 05:00	0°♌	
morning rise	-2305 Aug 30 j 13:56	2°♌13'20	
	-2305 Oct 11 j 02:16	0°♍	
	-2305 Nov 23 j 15:06	0°♎	
	-2304 Jan 05 j 00:21	0°♏	
desc. node	-2304 Feb 09 j 07:25	25°♏23'31	
	-2304 Feb 15 j 16:38	0°♐	
	-2304 Mar 28 j 14:03	0°♑	
	-2304 May 12 j 03:45	0°♒	
	-2304 Jul 15 j 13:35	0°♓	
retrograde	-2304 Jul 30 j 16:59	1°♓36'31	
	-2304 Aug 14 j 14:00	30°℞♒	
min. Earth dist.	-2304 Aug 27 j 21:04	26°♒12'14	0.46213 AU
greatest brilliancy	-2304 Sep 03 j 18:51	23°♒48'11	-2.4m
opposition	-2304 Sep 05 j 00:34	23°♒22'16	-4°43'09
direct	-2304 Oct 07 j 17:36	16°♒41'31	
	-2304 Nov 28 j 05:15	0°♓	
asc. node	-2304 Dec 14 j 13:34	7°♓37'19	
	-2303 Jan 25 j 07:11	0°♈	
	-2303 Mar 17 j 12:27	0°♉	
	-2303 May 05 j 19:50	0°♊	
	-2303 Jun 22 j 16:28	0°♋	
evening set	-2303 Jul 07 j 04:47	9°♋18'19	
max. Earth dist.	-2303 Jul 31 j 07:13	25°♋01'10	2.60849 AU
	-2303 Aug 07 j 19:54	0°♌	
conjunction	-2303 Aug 23 j 00:02	10°♌09'00	1°04'02
minimum elong	-2303 Aug 23 j 01:04	10°♌10'44	1°04'04
	-2303 Sep 21 j 00:30	0°♍	
morning rise	-2303 Oct 09 j 12:16	12°♍57'32	
	-2303 Nov 02 j 07:38	0°♎	
	-2303 Dec 13 j 00:46	0°♏	
desc. node	-2303 Dec 27 j 06:44	10°♏42'38	
	-2302 Jan 21 j 16:26	0°♐	
	-2302 Mar 01 j 23:43	0°♑	
	-2302 Apr 10 j 22:58	0°♒	
	-2302 May 23 j 04:39	0°♓	
	-2302 Jul 10 j 14:53	0°♈	
retrograde	-2302 Sep 13 j 20:14	21°♈24'52	
min. Earth dist.	-2302 Oct 17 j 09:11	13°♈52'59	0.58356 AU
opposition	-2302 Oct 23 j 04:01	11°♈36'09	-0°24'15
greatest brilliancy	-2302 Oct 23 j 02:09	11°♈38'01	-1.8m
asc. node	-2302 Nov 01 j 12:19	8°♈05'45	
direct	-2302 Nov 29 j 00:03	3°♈07'31	
	-2301 Feb 19 j 03:58	0°♉	
	-2301 Apr 14 j 20:06	0°♊	
	-2301 Jun 03 j 13:52	0°♋	
	-2301 Jul 20 j 06:38	0°♌	
evening set	-2301 Aug 16 j 23:07	18°♌39'29	
max. Earth dist.	-2301 Sep 01 j 10:40	29°♌23'14	2.50494 AU
	-2301 Sep 02 j 07:40	0°♍	
conjunction	-2301 Oct 06 j 18:54	24°♍40'25	0°25'10
minimum elong	-2301 Oct 06 j 20:10	24°♍42'44	0°25'09
	-2301 Oct 14 j 01:07	0°♎	
desc. node	-2301 Nov 14 j 05:07	23°♎19'39	
	-2301 Nov 22 j 23:15	0°♏	
morning rise	-2301 Dec 01 j 11:50	6°♏32'10	
	-2301 Dec 31 j 18:29	0°♐	
	-2300 Feb 08 j 05:46	0°♑	
	-2300 Mar 18 j 06:19	0°♒	
	-2300 Apr 27 j 19:49	0°♓	
	-2300 Jun 10 j 04:02	0°♈	
	-2300 Jul 28 j 21:26	0°♉	
asc. node	-2300 Sep 18 j 12:41	23°♉43'26	
retrograde	-2300 Oct 19 j 08:57	29°♉06'16	
min. Earth dist.	-2300 Nov 26 j 07:55	20°♉03'35	0.65826 AU
opposition	-2300 Nov 28 j 10:54	19°♉12'18	2°34'40
greatest brilliancy	-2300 Nov 28 j 05:00	19°♉18'14	-1.4m
direct	-2299 Jan 07 j 01:00	9°♉44'01	
	-2299 Mar 17 j 09:34	0°♊	
	-2299 May 12 j 06:26	0°♋	
	-2299 Jun 29 j 18:10	0°♌	
	-2299 Aug 13 j 06:15	0°♍	
	-2299 Sep 23 j 21:03	0°♎	
desc. node	-2299 Oct 01 j 03:29	5°♎24'54	
evening set	-2299 Oct 04 j 17:48	8°♎06'42	
	-2299 Nov 02 j 10:43	0°♏	
max. Earth dist.	-2299 Nov 07 j 02:32	3°♏36'19	2.38437 AU
conjunction	-2299 Dec 04 j 00:29	24°♏38'01	-0°41'31
minimum elong	-2299 Dec 03 j 21:38	24°♏32'25	0°41'31
	-2299 Dec 10 j 20:15	0°♐	
	-2298 Jan 17 j 23:15	0°♑	
morning rise	-2298 Feb 10 j 03:05	18°♑01'49	
	-2298 Feb 25 j 17:13	0°♒	
	-2298 Apr 06 j 22:10	0°♓	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-2298 May 19 j 07:48	0°♈	
	-2298 Jul 03 j 17:44	0°♉	
asc. node	-2298 Aug 06 j 12:46	20°♉37'45	
	-2298 Aug 23 j 00:02	0°♊	
	-2298 Oct 31 j 15:17	0°♋	
retrograde	-2298 Nov 23 j 00:39	2°♋50'19	
	-2298 Dec 13 j 21:14	30°℞♊	
opposition	-2297 Jan 01 j 15:26	23°♊24'30	4°19'41
greatest brilliancy	-2297 Jan 01 j 19:51	23°♊20'07	-1.3m
min. Earth dist.	-2297 Jan 03 j 08:27	22°♊43'45	0.67075 AU
direct	-2297 Feb 11 j 17:18	13°♊26'46	
	-2297 Apr 13 j 05:15	0°♋	
	-2297 Jun 07 j 13:12	0°♌	
	-2297 Jul 23 j 20:42	0°♍	
desc. node	-2297 Aug 19 j 02:00	18°♍24'19	
	-2297 Sep 04 j 00:03	0°♎	
	-2297 Oct 13 j 15:31	0°♏	
	-2297 Nov 20 j 23:54	0°♐	
evening set	-2297 Dec 09 j 03:21	14°♐18'41	
	-2297 Dec 29 j 02:19	0°♑	
	-2296 Feb 05 j 21:33	0°♒	
conjunction	-2296 Feb 13 j 05:13	5°♒32'52	-1°03'05
minimum elong	-2296 Feb 13 j 07:01	5°♒36'17	1°03'08
	-2296 Mar 17 j 04:33	0°♓	
max. Earth dist.	-2296 Apr 01 j 01:52	10°♓44'00	2.46092 AU
morning rise	-2296 Apr 16 j 07:40	21°♓30'56	
	-2296 Apr 28 j 12:25	0°♈	
	-2296 Jun 12 j 04:36	0°♉	
asc. node	-2296 Jun 23 j 10:58	7°♉18'42	
	-2296 Jul 29 j 11:32	0°♊	
	-2296 Sep 18 j 13:56	0°♋	
	-2296 Nov 21 j 03:27	0°♌	
retrograde	-2296 Dec 29 j 18:03	7°♌32'29	
	-2295 Feb 03 j 01:17	30°℞♋	
opposition	-2295 Feb 05 j 18:38	28°♋57'48	4°49'42
greatest brilliancy	-2295 Feb 06 j 16:03	28°♋37'14	-1.5m
min. Earth dist.	-2295 Feb 11 j 07:20	26°♋50'23	0.61821 AU
direct	-2295 Mar 18 j 20:06	19°♋02'51	
	-2295 May 03 j 18:19	0°♌	
	-2295 Jun 28 j 12:03	0°♍	
desc. node	-2295 Jul 06 j 00:16	4°♍46'52	
	-2295 Aug 11 j 23:17	0°♎	
	-2295 Sep 21 j 11:49	0°♏	
	-2295 Oct 30 j 07:21	0°♐	
	-2295 Dec 07 j 19:01	0°♑	
	-2294 Jan 16 j 00:11	0°♒	
evening set	-2294 Feb 12 j 18:30	20°♒35'45	
	-2294 Feb 25 j 17:41	0°♓	
	-2294 Apr 09 j 10:07	0°♈	
conjunction	-2294 Apr 11 j 10:19	1°♈22'37	-0°17'38
minimum elong	-2294 Apr 11 j 11:15	1°♈24'13	0°17'37
max. Earth dist.	-2294 May 09 j 06:23	20°♈10'02	2.58092 AU
asc. node	-2294 May 11 j 09:52	21°♈35'38	
	-2294 May 24 j 03:16	0°♉	
morning rise	-2294 Jun 03 j 04:04	6°♉33'52	
	-2294 Jul 09 j 15:29	0°♊	
	-2294 Aug 26 j 18:18	0°♋	
	-2294 Oct 16 j 01:30	0°♌	
	-2294 Dec 11 j 09:46	0°♍	
retrograde	-2293 Feb 15 j 05:58	18°♍53'04	
opposition	-2293 Mar 22 j 04:29	11°♍44'29	3°11'48
greatest brilliancy	-2293 Mar 23 j 05:58	11°♍22'06	-2.1m
min. Earth dist.	-2293 Mar 30 j 12:56	8°♍49'04	0.50667 AU
direct	-2293 Apr 29 j 17:02	2°♍59'02	
desc. node	-2293 May 24 j 00:00	6°♍41'45	
	-2293 Jul 12 j 18:01	0°♎	
	-2293 Aug 27 j 00:36	0°♏	
	-2293 Oct 06 j 21:16	0°♐	
	-2293 Nov 15 j 17:19	0°♑	
	-2293 Dec 26 j 01:21	0°♒	
	-2292 Feb 05 j 18:39	0°♓	
	-2292 Mar 20 j 06:47	0°♈	
asc. node	-2292 Mar 28 j 08:12	5°♈25'22	
evening set	-2292 Apr 04 j 09:16	10°♈07'56	
	-2292 May 04 j 12:34	0°♉	
conjunction	-2292 May 24 j 20:46	13°♉11'52	0°31'46
minimum elong	-2292 May 24 j 19:38	13°♉10'01	0°31'48
max. Earth dist.	-2292 Jun 04 j 03:45	19°♉49'22	2.65346 AU
	-2292 Jun 20 j 00:57	0°♊	
morning rise	-2292 Jul 10 j 22:42	13°♊19'25	
	-2292 Aug 06 j 05:21	0°♋	
	-2292 Sep 22 j 15:40	0°♌	
	-2292 Nov 09 j 10:28	0°♍	
	-2292 Dec 28 j 14:32	0°♎	
	-2291 Feb 21 j 06:07	0°♏	
desc. node	-2291 Apr 10 j 00:39	16°♏53'03	
retrograde	-2291 Apr 24 j 04:41	18°♏05'43	
opposition	-2291 May 24 j 20:02	12°♏56'21	-3°04'37
greatest brilliancy	-2291 May 25 j 05:55	12°♏49'31	-2.9m
min. Earth dist.	-2291 May 29 j 02:31	11°♏45'28	0.38868 AU
direct	-2291 Jun 25 j 18:07	7°♏15'55	
	-2291 Aug 30 j 13:25	0°♐	
	-2291 Oct 17 j 08:24	0°♑	
	-2291 Nov 30 j 16:30	0°♒	
	-2290 Jan 13 j 23:52	0°♓	
asc. node	-2290 Feb 13 j 05:48	20°♓07'32	
	-2290 Feb 28 j 06:33	0°♈	
	-2290 Apr 15 j 15:56	0°♉	
evening set	-2290 May 16 j 05:20	19°♉29'49	
	-2290 Jun 01 j 17:42	0°♊	
max. Earth dist.	-2290 Jun 27 j 16:34	16°♊30'54	2.67197 AU
conjunction	-2290 Jul 02 j 05:01	19°♊23'46	1°03'04
minimum elong	-2290 Jul 02 j 04:01	19°♊22'11	1°03'07
	-2290 Jul 18 j 19:03	0°♋	
morning rise	-2290 Aug 16 j 04:20	18°♋17'11	
	-2290 Sep 03 j 04:27	0°♌	
	-2290 Oct 18 j 13:41	0°♍	
	-2290 Dec 01 j 22:59	0°♎	
	-2289 Jan 14 j 14:19	0°♏	
desc. node	-2289 Feb 26 j 00:08	29°♏14'57	
	-2289 Feb 27 j 02:26	0°♐	
	-2289 Apr 13 j 05:10	0°♑	
	-2289 Jun 08 j 19:42	0°♒	
retrograde	-2289 Jul 09 j 05:19	6°♒00'17	
min. Earth dist.	-2289 Aug 05 j 00:25	1°♒20'14	0.41470 AU
	-2289 Aug 09 j 07:26	30°℞♑	
greatest brilliancy	-2289 Aug 10 j 18:41	29°♑32'11	-2.6m
opposition	-2289 Aug 12 j 05:07	29°♑05'07	-6°16'21
direct	-2289 Sep 12 j 02:07	23°♑19'35	
	-2289 Oct 16 j 07:04	0°♒	
	-2289 Dec 16 j 20:16	0°♓	
asc. node	-2288 Jan 01 j 05:02	8°♓51'30	
	-2288 Feb 05 j 14:57	0°♈	
	-2288 Mar 25 j 16:13	0°♉	
	-2288 May 13 j 01:41	0°♊	
evening set	-2288 Jun 22 j 09:07	25°♊24'20	
	-2288 Jun 29 j 13:49	0°♋	
max. Earth dist.	-2288 Jul 21 j 01:45	13°♋51'16	2.63650 AU
conjunction	-2288 Aug 07 j 16:18	25°♋22'07	1°09'33

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

minimum elong	-2288 Aug 07 j 16:43	25°♋22'48	1°09'36
	-2288 Aug 14 j 16:37	0°♌	
morning rise	-2288 Sep 22 j 16:48	26°♌17'24	
	-2288 Sep 28 j 02:16	0°♍	
	-2288 Nov 09 j 18:48	0°♎	
	-2288 Dec 21 j 00:08	0°♏	
desc. node	-2287 Jan 12 j 23:09	17°♏03'37	
	-2287 Jan 30 j 05:29	0°♐	
	-2287 Mar 11 j 04:03	0°♑	
	-2287 Apr 21 j 00:24	0°♒	
	-2287 Jun 04 j 05:30	0°♓	
	-2287 Aug 03 j 00:58	0°♈	
retrograde	-2287 Aug 28 j 19:30	4°♈16'01	
	-2287 Sep 22 j 05:54	30°℞♓	
min. Earth dist.	-2287 Sep 29 j 06:52	27°♓30'06	0.53958 AU
opposition	-2287 Oct 06 j 07:46	24°♓48'26	-1°57'12
greatest brilliancy	-2287 Oct 05 j 20:38	24°♓59'06	-2.0m
direct	-2287 Nov 10 j 17:18	16°♓54'59	
asc. node	-2287 Nov 18 j 04:49	17°♓16'20	
	-2286 Jan 01 j 17:38	0°♈	
	-2286 Mar 02 j 07:52	0°♉	
	-2286 Apr 23 j 01:54	0°♊	
	-2286 Jun 10 j 21:16	0°♋	
	-2286 Jul 27 j 07:11	0°♌	
evening set	-2286 Jul 31 j 10:54	2°♌45'47	
max. Earth dist.	-2286 Aug 18 j 11:44	14°♌54'44	2.55038 AU
	-2286 Sep 09 j 08:42	0°♍	
conjunction	-2286 Sep 18 j 03:43	6°♍10'28	0°44'39
minimum elong	-2286 Sep 18 j 05:18	6°♍13'15	0°44'40
	-2286 Oct 21 j 06:35	0°♎	
morning rise	-2286 Nov 08 j 18:01	13°♎39'41	
desc. node	-2286 Nov 30 j 22:26	0°♏21'58	
	-2286 Nov 30 j 10:52	0°♏	
	-2285 Jan 08 j 12:24	0°♐	
	-2285 Feb 16 j 05:24	0°♑	
	-2285 Mar 27 j 11:29	0°♒	
	-2285 May 07 j 09:39	0°♓	
	-2285 Jun 20 j 16:54	0°♈	
	-2285 Aug 12 j 12:51	0°♉	
retrograde	-2285 Oct 06 j 16:42	15°♉24'53	
asc. node	-2285 Oct 06 j 04:06	15°♉24'46	
min. Earth dist.	-2285 Nov 12 j 01:20	6°♉53'50	0.63610 AU
opposition	-2285 Nov 15 j 15:29	5°♉27'20	1°34'52
greatest brilliancy	-2285 Nov 15 j 09:44	5°♉33'06	-1.5m
	-2285 Nov 30 j 13:24	30°℞♈	
direct	-2285 Dec 24 j 07:06	26°♈18'14	
	-2284 Jan 19 j 08:21	0°♉	
	-2284 Mar 29 j 05:32	0°♊	
	-2284 May 20 j 16:31	0°♋	
	-2284 Jul 07 j 06:29	0°♌	
	-2284 Aug 20 j 12:37	0°♍	
evening set	-2284 Sep 13 j 17:48	17°♍14'58	
max. Earth dist.	-2284 Oct 01 j 11:11	0°♎13'46	2.42807 AU
	-2284 Oct 01 j 03:45	0°♎	
desc. node	-2284 Oct 17 j 20:44	12°♎29'09	
conjunction	-2284 Nov 08 j 16:24	29°♎06'41	-0°14'56
minimum elong	-2284 Nov 08 j 15:20	29°♎04'39	0°14'58
behind sun begin	-2284 Nov 08 j 05:05	28°♎44'56	
behind sun end	-2284 Nov 09 j 01:36	29°♎24'23	
	-2284 Nov 09 j 20:06	0°♏	
	-2284 Dec 18 j 08:39	0°♐	
morning rise	-2283 Jan 11 j 14:30	19°♐02'48	
	-2283 Jan 25 j 13:56	0°♑	
	-2283 Mar 05 j 09:04	0°♒	
	-2283 Apr 14 j 15:03	0°♓	
	-2283 May 27 j 05:01	0°♈	
	-2283 Jul 12 j 07:53	0°♉	
asc. node	-2283 Aug 23 j 03:53	24°♉08'02	
	-2283 Sep 03 j 15:24	0°♊	
retrograde	-2283 Nov 09 j 11:28	20°♊02'09	
opposition	-2283 Dec 19 j 09:36	10°♊22'28	3°47'06
greatest brilliancy	-2283 Dec 19 j 08:35	10°♊23'29	-1.3m
min. Earth dist.	-2283 Dec 19 j 14:17	10°♊17'47	0.67364 AU
direct	-2282 Jan 29 j 01:07	0°♊32'56	
	-2282 Apr 26 j 02:23	0°♋	
	-2282 Jun 16 j 10:57	0°♌	
	-2282 Jul 31 j 19:31	0°♍	
desc. node	-2282 Sep 04 j 18:47	24°♍55'58	
	-2282 Sep 11 j 15:54	0°♎	
	-2282 Oct 21 j 05:32	0°♏	
evening set	-2282 Nov 11 j 22:19	16°♏54'50	
	-2282 Nov 28 j 13:26	0°♐	
	-2281 Jan 05 j 15:15	0°♑	
conjunction	-2281 Jan 16 j 19:07	8°♑43'38	-1°05'53
minimum elong	-2281 Jan 16 j 18:15	8°♑41'57	1°05'57
	-2281 Feb 13 j 09:01	0°♒	
max. Earth dist.	-2281 Mar 06 j 20:04	16°♒10'52	2.40868 AU
morning rise	-2281 Mar 25 j 01:25	29°♒37'13	
	-2281 Mar 25 j 13:55	0°♓	
	-2281 May 06 j 20:38	0°♈	
	-2281 Jun 20 j 15:54	0°♉	
asc. node	-2281 Jul 11 j 03:21	13°♉05'30	
	-2281 Aug 07 j 15:27	0°♊	
	-2281 Sep 30 j 12:15	0°♋	
retrograde	-2281 Dec 15 j 08:39	23°♋47'39	
opposition	-2280 Jan 23 j 03:51	14°♋49'40	4°48'26
greatest brilliancy	-2280 Jan 23 j 18:34	14°♋35'17	-1.4m
min. Earth dist.	-2280 Jan 27 j 04:57	13°♋14'45	0.64666 AU
direct	-2280 Mar 04 j 10:39	4°♋48'26	
	-2280 May 19 j 20:46	0°♌	
	-2280 Jul 08 j 14:35	0°♍	
desc. node	-2280 Jul 22 j 18:20	9°♍30'19	
	-2280 Aug 20 j 18:37	0°♎	
	-2280 Sep 29 j 19:24	0°♏	
	-2280 Nov 07 j 08:22	0°♐	
	-2280 Dec 15 j 14:40	0°♑	
evening set	-2279 Jan 19 j 11:29	26°♑52'35	
	-2279 Jan 23 j 14:17	0°♒	
	-2279 Mar 05 j 02:05	0°♓	
conjunction	-2279 Mar 21 j 21:55	12°♓03'45	-0°38'17
minimum elong	-2279 Mar 21 j 23:59	12°♓07'25	0°38'16
	-2279 Apr 16 j 13:40	0°♈	
max. Earth dist.	-2279 Apr 26 j 19:03	7°♈00'11	2.53873 AU
morning rise	-2279 May 17 j 03:29	20°♈42'37	
asc. node	-2279 May 28 j 00:52	27°♈55'39	
	-2279 May 31 j 04:28	0°♉	
	-2279 Jul 16 j 20:34	0°♊	
	-2279 Sep 03 j 17:24	0°♋	
	-2279 Oct 26 j 11:28	0°♌	
	-2278 Jan 08 j 22:22	0°♍	
retrograde	-2278 Jan 25 j 22:58	1°♍38'31	
	-2278 Feb 11 j 00:12	30°℞♌	
opposition	-2278 Mar 03 j 07:25	23°♌50'30	4°12'19
greatest brilliancy	-2278 Mar 04 j 11:21	23°♌24'47	-1.8m
min. Earth dist.	-2278 Mar 10 j 20:02	21°♌04'27	0.55630 AU
direct	-2278 Apr 12 j 06:08	14°♌25'16	
	-2278 Jun 05 j 19:43	0°♍	
desc. node	-2278 Jun 09 j 17:24	1°♍57'39	
	-2278 Jul 26 j 09:53	0°♎	
	-2278 Sep 06 j 17:27	0°♏	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-2278 Oct 16 j 09:43	0°♐	
	-2278 Nov 24 j 11:55	0°♑	
	-2277 Jan 03 j 05:39	0°♒	
	-2277 Feb 13 j 10:37	0°♓	
evening set	-2277 Mar 17 j 21:12	22°♓42'36	
	-2277 Mar 28 j 12:48	0°♈	
asc. node	-2277 Apr 14 j 23:33	11°♈46'55	
conjunction	-2277 May 09 j 16:36	28°♈09'55	0°14'15
minimum elong	-2277 May 09 j 15:58	28°♈08'54	0°14'16
behind sun begin	-2277 May 09 j 06:58	27°♈54'07	
behind sun end	-2277 May 10 j 00:59	28°♈23'41	
	-2277 May 12 j 11:44	0°♉	
max. Earth dist.	-2277 May 26 j 08:25	9°♉02'27	2.63133 AU
morning rise	-2277 Jun 27 j 11:52	29°♉43'36	
	-2277 Jun 27 j 22:08	0°♊	
	-2277 Aug 14 j 08:04	0°♋	
	-2277 Oct 01 j 12:45	0°♌	
	-2277 Nov 20 j 04:43	0°♍	
	-2276 Jan 13 j 16:16	0°♎	
retrograde	-2276 Mar 24 j 23:58	22°♎02'22	
opposition	-2276 Apr 26 j 07:12	16°♎09'21	0°01'28
greatest brilliancy	-2273 May 07 j 11:33	21°♉23'49	1.8m
desc. node	-2276 Apr 26 j 16:20	16°♎02'21	
min. Earth dist.	-2276 May 03 j 20:43	13°♎50'38	0.42739 AU
direct	-2276 May 31 j 03:57	9°♎09'16	
	-2276 Aug 01 j 05:03	0°♏	
	-2276 Sep 17 j 05:17	0°♐	
	-2276 Oct 29 j 16:48	0°♑	
	-2276 Dec 10 j 16:54	0°♒	
	-2275 Jan 22 j 14:51	0°♓	
asc. node	-2275 Mar 01 j 22:38	25°♓58'00	
	-2275 Mar 07 j 23:57	0°♈	
	-2275 Apr 22 j 19:33	0°♉	
evening set	-2275 Apr 30 j 15:32	5°♉03'16	
	-2275 Jun 08 j 14:11	0°♊	
conjunction	-2275 Jun 17 j 15:51	5°♊46'57	0°53'34
minimum elong	-2275 Jun 17 j 14:35	5°♊44'55	0°53'37
max. Earth dist.	-2275 Jun 18 j 18:21	6°♊29'10	2.67110 AU
	-2275 Jul 25 j 15:05	0°♋	
morning rise	-2275 Aug 02 j 02:40	4°♋47'14	
	-2275 Sep 10 j 07:28	0°♌	
	-2275 Oct 26 j 09:15	0°♍	
	-2275 Dec 10 j 23:48	0°♎	
	-2274 Jan 25 j 15:58	0°♏	
	-2274 Mar 13 j 23:13	0°♐	
desc. node	-2274 Mar 14 j 16:35	0°♐26'21	
	-2274 May 11 j 03:38	0°♑	
retrograde	-2274 Jun 12 j 13:46	6°♑24'36	
min. Earth dist.	-2274 Jul 10 j 00:14	1°♑55'43	0.38253 AU
opposition	-2274 Jul 13 j 22:40	0°♑50'36	-6°38'20
greatest brilliancy	-2274 Jul 13 j 01:50	1°♑05'01	-2.9m
	-2274 Jul 17 j 00:20	30°℞♐	
direct	-2274 Aug 12 j 17:35	25°♐47'47	
	-2274 Sep 07 j 22:49	0°♑	
	-2274 Nov 09 j 18:27	0°♒	
	-2274 Dec 29 j 00:46	0°♓	
asc. node	-2273 Jan 17 j 20:49	12°♓27'02	
	-2273 Feb 14 j 17:08	0°♈	
	-2273 Apr 03 j 09:46	0°♉	
	-2273 May 21 j 03:36	0°♊	
evening set	-2273 Jun 08 j 16:29	11°♊42'23	
	-2273 Jul 07 j 09:50	0°♋	
max. Earth dist.	-2273 Jul 12 j 08:35	3°♋10'36	2.65661 AU
conjunction	-2273 Jul 24 j 22:31	11°♋17'26	1°10'21
minimum elong	-2273 Jul 24 j 22:18	11°♋17'06	1°10'24
	-2273 Aug 22 j 13:44	0°♌	
morning rise	-2273 Sep 08 j 03:14	10°♌59'41	
	-2273 Oct 06 j 06:42	0°♍	
	-2273 Nov 18 j 11:44	0°♎	
	-2273 Dec 30 j 09:51	0°♏	
desc. node	-2272 Jan 30 j 15:58	22°♏48'21	
	-2272 Feb 09 j 11:09	0°♐	
	-2272 Mar 21 j 10:38	0°♑	
	-2272 May 03 j 00:30	0°♒	
	-2272 Jun 21 j 17:49	0°♓	
retrograde	-2272 Aug 10 j 23:36	14°♓37'12	
min. Earth dist.	-2272 Sep 09 j 06:12	8°♓43'32	0.49008 AU
greatest brilliancy	-2272 Sep 16 j 06:09	6°♓11'13	-2.2m
opposition	-2272 Sep 17 j 05:14	5°♓50'11	-3°41'49
	-2272 Oct 06 j 23:45	30°℞♒	
direct	-2272 Oct 20 j 23:11	28°♒41'04	
	-2272 Nov 04 j 12:15	0°♓	
asc. node	-2272 Dec 04 j 19:41	9°♓05'15	
	-2271 Jan 17 j 15:06	0°♈	
	-2271 Mar 11 j 19:09	0°♉	
	-2271 Apr 30 j 19:42	0°♊	
	-2271 Jun 17 j 23:43	0°♋	
evening set	-2271 Jul 15 j 20:33	17°♋55'19	
	-2271 Aug 03 j 05:23	0°♌	
max. Earth dist.	-2271 Aug 06 j 14:23	2°♌14'38	2.58954 AU
conjunction	-2271 Sep 01 j 04:21	19°♌30'52	0°58'30
minimum elong	-2271 Sep 01 j 05:40	19°♌33'08	0°58'31
	-2271 Sep 16 j 09:00	0°♍	
morning rise	-2271 Oct 19 j 21:11	23°♍44'16	
	-2271 Oct 28 j 12:47	0°♎	
	-2271 Dec 08 j 01:10	0°♏	
desc. node	-2271 Dec 17 j 14:41	7°♏13'17	
	-2270 Jan 16 j 11:14	0°♐	
	-2270 Feb 24 j 12:36	0°♑	
	-2270 Apr 05 j 03:57	0°♒	
	-2270 May 16 j 17:50	0°♓	
	-2270 Jul 01 j 22:44	0°♈	
	-2270 Sep 11 j 11:34	0°♉	
retrograde	-2270 Sep 22 j 10:08	0°♉47'16	
	-2270 Oct 02 j 22:44	30°℞♈	
asc. node	-2270 Oct 22 j 19:35	24°♈29'58	
min. Earth dist.	-2270 Oct 27 j 00:24	22°♈52'43	0.60468 AU
opposition	-2270 Nov 01 j 00:49	20°♈52'51	0°23'05
greatest brilliancy	-2270 Oct 31 j 22:55	20°♈54'45	-1.7m
direct	-2270 Dec 08 j 13:15	12°♈08'13	
	-2269 Feb 10 j 08:33	0°♉	
	-2269 Apr 08 j 23:52	0°♊	
	-2269 May 29 j 13:13	0°♋	
	-2269 Jul 15 j 13:12	0°♌	
evening set	-2269 Aug 26 j 21:19	28°♌44'40	
	-2269 Aug 28 j 16:23	0°♍	
max. Earth dist.	-2269 Sep 10 j 21:40	9°♍20'19	2.47791 AU
	-2269 Oct 09 j 09:16	0°♎	
conjunction	-2269 Oct 18 j 06:53	6°♎35'56	0°11'41
minimum elong	-2269 Oct 18 j 07:33	6°♎37'11	0°11'40
behind sun begin	-2269 Oct 17 j 15:01	6°♎06'24	
behind sun end	-2269 Oct 19 j 00:06	7°♎08'00	
desc. node	-2269 Nov 04 j 14:22	19°♎36'45	
	-2269 Nov 18 j 05:23	0°♏	
morning rise	-2269 Dec 15 j 19:40	21°♏20'35	
	-2269 Dec 26 j 21:49	0°♐	
	-2268 Feb 03 j 06:20	0°♑	
	-2268 Mar 13 j 03:59	0°♒	
	-2268 Apr 22 j 13:07	0°♓	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-2268 Jun 04 j 11:47	0°♈	
	-2268 Jul 21 j 21:02	0°♉	
asc. node	-2268 Sep 08 j 18:42	25°♉18'50	
	-2268 Sep 20 j 19:19	0°♊	
retrograde	-2268 Oct 27 j 03:02	7°♊08'22	
	-2268 Nov 29 j 09:34	30°℞♉	
min. Earth dist.	-2268 Dec 04 j 21:05	27°♉49'51	0.66660 AU
opposition	-2268 Dec 06 j 04:24	27°♉18'22	3°04'21
greatest brilliancy	-2268 Dec 05 j 23:36	27°♉23'11	-1.4m
direct	-2267 Jan 15 j 04:30	17°♉41'27	
	-2267 Mar 07 j 13:31	0°♊	
	-2267 May 06 j 06:52	0°♋	
	-2267 Jun 24 j 15:04	0°♌	
	-2267 Aug 08 j 10:18	0°♍	
	-2267 Sep 19 j 03:30	0°♎	
desc. node	-2267 Sep 21 j 12:47	1°♎46'15	
evening set	-2267 Oct 17 j 16:46	21°♎31'02	
	-2267 Oct 28 j 17:28	0°♏	
	-2267 Dec 06 j 02:17	0°♐	
conjunction	-2267 Dec 19 j 09:39	10°♐29'32	-0°53'51
minimum elong	-2267 Dec 19 j 06:39	10°♐23'37	0°53'52
max. Earth dist.	-2267 Dec 25 j 01:07	14°♐56'37	2.37404 AU
	-2266 Jan 13 j 04:24	0°♑	
	-2266 Feb 20 j 21:24	0°♒	
morning rise	-2266 Feb 26 j 09:02	4°♒10'36	
	-2266 Apr 02 j 00:57	0°♓	
	-2266 May 14 j 07:51	0°♈	
	-2266 Jun 28 j 09:35	0°♉	
asc. node	-2266 Jul 27 j 17:33	18°♉18'23	
	-2266 Aug 16 j 12:40	0°♊	
	-2266 Oct 15 j 07:00	0°♋	
retrograde	-2266 Dec 01 j 00:24	10°♋41'41	
opposition	-2265 Jan 09 j 09:06	1°♋24'46	4°33'36
greatest brilliancy	-2265 Jan 09 j 17:02	1°♋16'56	-1.3m
min. Earth dist.	-2265 Jan 11 j 22:01	0°♋24'30	0.66497 AU
	-2265 Jan 12 j 22:51	30°℞♊	
direct	-2265 Feb 19 j 14:04	21°♊24'18	
	-2265 Apr 01 j 18:03	0°♋	
	-2265 Jun 01 j 05:15	0°♌	
	-2265 Jul 18 j 11:43	0°♍	
desc. node	-2265 Aug 09 j 10:40	15°♍12'12	
	-2265 Aug 29 j 22:55	0°♎	
	-2265 Oct 08 j 17:37	0°♏	
	-2265 Nov 16 j 03:24	0°♐	
evening set	-2265 Dec 24 j 17:02	0°♑19'56	
	-2265 Dec 24 j 06:51	0°♑	
	-2264 Feb 01 j 02:58	0°♒	
conjunction	-2264 Feb 27 j 14:41	19°♒51'39	-0°56'06
minimum elong	-2264 Feb 27 j 17:08	19°♒56'10	0°56'08
	-2264 Mar 12 j 10:35	0°♓	
max. Earth dist.	-2264 Apr 11 j 15:12	21°♓33'20	2.48968 AU
	-2264 Apr 23 j 18:32	0°♈	
morning rise	-2264 Apr 28 j 03:58	3°♈01'36	
	-2264 Jun 07 j 08:30	0°♉	
asc. node	-2264 Jun 13 j 17:05	4°♉09'15	
	-2264 Jul 24 j 07:43	0°♊	
	-2264 Sep 12 j 08:29	0°♋	
	-2264 Nov 08 j 20:03	0°♌	
retrograde	-2263 Jan 08 j 03:17	16°♌14'01	
opposition	-2263 Feb 14 j 14:59	7°♌54'07	4°42'14
greatest brilliancy	-2263 Feb 15 j 15:31	7°♌30'49	-1.6m
min. Earth dist.	-2263 Feb 20 j 21:51	5°♌30'56	0.59863 AU
	-2263 Mar 10 j 13:33	30°℞♋	
direct	-2263 Mar 27 j 09:39	28°♋06'10	
	-2263 Apr 14 j 00:49	0°♌	
	-2263 Jun 21 j 04:26	0°♍	
desc. node	-2263 Jun 26 j 09:42	3°♍09'18	
	-2263 Aug 06 j 00:41	0°♎	
	-2263 Sep 16 j 00:55	0°♏	
	-2263 Oct 25 j 02:04	0°♐	
	-2263 Dec 02 j 17:38	0°♑	
	-2262 Jan 11 j 02:04	0°♒	
	-2262 Feb 20 j 22:23	0°♓	
evening set	-2262 Feb 25 j 09:48	3°♓12'21	
	-2262 Apr 04 j 17:12	0°♈	
conjunction	-2262 Apr 22 j 04:00	11°♈50'56	-0°05'37
minimum elong	-2262 Apr 22 j 04:15	11°♈51'23	0°05'37
behind sun begin	-2262 Apr 21 j 07:19	11°♈16'09	
behind sun end	-2262 Apr 23 j 01:11	12°♈26'34	
asc. node	-2262 May 01 j 15:46	18°♈12'28	
max. Earth dist.	-2262 May 15 j 18:29	27°♈33'59	2.60109 AU
	-2262 May 19 j 11:14	0°♉	
morning rise	-2262 Jun 12 j 07:26	15°♉31'24	
	-2262 Jul 04 j 21:38	0°♊	
	-2262 Aug 21 j 16:27	0°♋	
	-2262 Oct 10 j 00:31	0°♌	
	-2262 Dec 01 j 22:59	0°♍	
	-2261 Feb 22 j 04:47	0°♎	
retrograde	-2261 Feb 28 j 01:40	0°♎12'38	
	-2261 Mar 05 j 20:22	30°℞♍	
opposition	-2261 Apr 03 j 04:04	23°♍28'52	2°17'45
greatest brilliancy	-2261 Apr 03 j 23:38	23°♍12'19	-2.3m
min. Earth dist.	-2261 Apr 11 j 15:32	20°♍37'46	0.47803 AU
direct	-2261 May 10 j 14:27	15°♍14'38	
desc. node	-2261 May 14 j 09:18	15°♍20'33	
	-2261 Jun 30 j 21:15	0°♎	
	-2261 Aug 19 j 09:10	0°♏	
	-2261 Sep 30 j 11:10	0°♐	
	-2261 Nov 09 j 22:20	0°♑	
	-2261 Dec 20 j 16:39	0°♒	
	-2260 Jan 31 j 17:23	0°♓	
	-2260 Mar 15 j 11:11	0°♈	
asc. node	-2260 Mar 18 j 13:57	2°♈05'32	
evening set	-2260 Apr 14 j 06:07	19°♈47'43	
	-2260 Apr 29 j 20:34	0°♉	
conjunction	-2260 Jun 02 j 17:09	21°♉51'31	0°40'41
minimum elong	-2260 Jun 02 j 15:53	21°♉49'28	0°40'43
max. Earth dist.	-2260 Jun 09 j 15:29	26°♉17'52	2.66206 AU
	-2260 Jun 15 j 10:25	0°♊	
morning rise	-2260 Jul 19 j 01:53	21°♊26'32	
	-2260 Aug 01 j 12:46	0°♋	
	-2260 Sep 17 j 15:19	0°♌	
	-2260 Nov 03 j 16:21	0°♍	
	-2260 Dec 21 j 04:26	0°♎	
	-2259 Feb 08 j 20:57	0°♏	
desc. node	-2259 Mar 31 j 08:21	25°♏36'00	
	-2259 Apr 12 j 09:50	0°♐	
retrograde	-2259 May 12 j 06:33	5°♐10'58	
opposition	-2259 Jun 11 j 15:58	0°♐10'12	-4°49'55
greatest brilliancy	-2259 Jun 11 j 19:25	0°♐07'53	-2.9m
	-2259 Jun 12 j 07:14	30°℞♏	
min. Earth dist.	-2259 Jun 13 j 00:41	29°♏48'22	0.37795 AU
direct	-2259 Jul 12 j 03:26	25°♏00'39	
	-2259 Aug 09 j 11:06	0°♐	
	-2259 Oct 07 j 19:41	0°♑	
	-2259 Nov 23 j 16:29	0°♒	
	-2258 Jan 08 j 03:46	0°♓	
asc. node	-2258 Feb 03 j 12:37	17°♓17'25	
	-2258 Feb 23 j 02:00	0°♈	
	-2258 Apr 10 j 20:10	0°♉	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

evening set	-2258 May 24 j 20:23	27°♉55'49	
	-2258 May 28 j 02:43	0°♊	
max. Earth dist.	-2258 Jul 03 j 00:34	22°♊50'01	2.66884 AU
conjunction	-2258 Jul 10 j 10:57	27°♊35'05	1°06'52
minimum elong	-2258 Jul 10 j 10:12	27°♊33'53	1°06'56
	-2258 Jul 14 j 05:27	0°♋	
morning rise	-2258 Aug 24 j 08:50	26°♋37'15	
	-2258 Aug 29 j 12:40	0°♌	
	-2258 Oct 13 j 15:38	0°♍	
	-2258 Nov 26 j 13:18	0°♎	
	-2257 Jan 08 j 10:53	0°♏	
desc. node	-2257 Feb 16 j 09:04	27°♏34'18	
	-2257 Feb 19 j 19:20	0°♐	
	-2257 Apr 03 j 17:48	0°♑	
	-2257 May 20 j 21:44	0°♒	
retrograde	-2257 Jul 22 j 11:18	21°♒27'34	
min. Earth dist.	-2257 Aug 18 j 19:55	16°♒25'35	0.44002 AU
greatest brilliancy	-2257 Aug 25 j 10:20	14°♒13'54	-2.5m
opposition	-2257 Aug 26 j 19:37	13°♒46'04	-5°27'37
direct	-2257 Sep 27 j 16:35	7°♒29'48	
	-2257 Dec 07 j 03:31	0°♓	
asc. node	-2257 Dec 22 j 11:13	8°♓02'52	
	-2256 Jan 30 j 04:39	0°♈	
	-2256 Mar 20 j 08:23	0°♉	
	-2256 May 08 j 05:39	0°♊	
	-2256 Jun 24 j 22:57	0°♋	
evening set	-2256 Jun 30 j 19:55	3°♋45'24	
max. Earth dist.	-2256 Jul 26 j 22:52	20°♋40'14	2.62210 AU
	-2256 Aug 10 j 02:49	0°♌	
conjunction	-2256 Aug 16 j 08:09	4°♌08'03	1°06'57
minimum elong	-2256 Aug 16 j 08:55	4°♌09'22	1°07'00
	-2256 Sep 23 j 10:42	0°♍	
morning rise	-2256 Oct 02 j 01:59	5°♍59'54	
	-2256 Nov 04 j 22:44	0°♎	
	-2256 Dec 15 j 21:47	0°♏	
desc. node	-2255 Jan 03 j 08:55	13°♏48'48	
	-2255 Jan 24 j 19:18	0°♐	
	-2255 Mar 05 j 08:25	0°♑	
	-2255 Apr 14 j 14:35	0°♒	
	-2255 May 27 j 10:03	0°♓	
	-2255 Jul 17 j 07:41	0°♈	
retrograde	-2255 Sep 07 j 04:27	14°♈45'23	
min. Earth dist.	-2255 Oct 09 j 19:48	7°♈33'02	0.56474 AU
opposition	-2255 Oct 16 j 04:31	5°♈03'58	-1°01'49
greatest brilliancy	-2255 Oct 15 j 23:08	5°♈09'14	-1.9m
	-2255 Oct 30 j 15:55	30°℞♓	
asc. node	-2255 Nov 08 j 09:57	27°♓58'03	
direct	-2255 Nov 21 j 09:06	26°♓50'05	
	-2255 Dec 14 j 23:14	0°♈	
	-2254 Feb 23 j 08:49	0°♉	
	-2254 Apr 17 j 16:03	0°♊	
	-2254 Jun 06 j 00:34	0°♋	
	-2254 Jul 22 j 15:19	0°♌	
evening set	-2254 Aug 09 j 17:41	12°♌06'43	
max. Earth dist.	-2254 Aug 26 j 05:59	23°♌24'10	2.52599 AU
	-2254 Sep 04 j 17:49	0°♍	
conjunction	-2254 Sep 28 j 12:00	16°♍50'57	0°34'09
minimum elong	-2254 Sep 28 j 13:29	16°♍53'37	0°34'08
	-2254 Oct 16 j 14:12	0°♎	
morning rise	-2254 Nov 21 j 04:51	26°♎36'33	
desc. node	-2254 Nov 21 j 07:11	26°♎40'59	
	-2254 Nov 25 j 15:52	0°♏	
	-2253 Jan 03 j 14:08	0°♐	
	-2253 Feb 11 j 03:42	0°♑	
	-2253 Mar 22 j 05:52	0°♒	
	-2253 May 01 j 21:11	0°♓	
	-2253 Jun 14 j 11:34	0°♈	
	-2253 Aug 03 j 08:00	0°♉	
asc. node	-2253 Sep 26 j 10:08	21°♉47'35	
retrograde	-2253 Oct 14 j 15:08	23°♉48'53	
min. Earth dist.	-2253 Nov 20 j 20:58	14°♉59'57	0.64948 AU
opposition	-2253 Nov 23 j 15:55	13°♉52'34	2°11'08
greatest brilliancy	-2253 Nov 23 j 09:36	13°♉58'56	-1.4m
direct	-2252 Jan 01 j 20:14	4°♉32'26	
	-2252 Mar 21 j 21:42	0°♊	
	-2252 May 15 j 04:48	0°♋	
	-2252 Jul 02 j 08:05	0°♌	
	-2252 Aug 15 j 19:01	0°♍	
evening set	-2252 Sep 25 j 07:51	29°♍09'42	
	-2252 Sep 26 j 11:03	0°♎	
desc. node	-2252 Oct 08 j 05:30	8°♎46'18	
max. Earth dist.	-2252 Oct 18 j 04:56	16°♎18'04	2.40205 AU
	-2252 Nov 05 j 02:43	0°♏	
conjunction	-2252 Nov 22 j 14:32	13°♏34'16	-0°30'25
minimum elong	-2252 Nov 22 j 12:20	13°♏29'59	0°30'27
	-2252 Dec 13 j 13:47	0°♐	
	-2251 Jan 20 j 17:33	0°♑	
morning rise	-2251 Jan 28 j 04:37	5°♑50'00	
	-2251 Feb 28 j 11:21	0°♒	
	-2251 Apr 09 j 15:25	0°♓	
	-2251 May 22 j 01:04	0°♈	
	-2251 Jul 06 j 15:00	0°♉	
asc. node	-2251 Aug 13 j 10:17	22°♉39'25	
	-2251 Aug 26 j 18:42	0°♊	
retrograde	-2251 Nov 17 j 06:21	27°♊51'06	
opposition	-2251 Dec 27 j 00:17	18°♊18'38	4°07'14
greatest brilliancy	-2251 Dec 27 j 02:06	18°♊16'50	-1.3m
min. Earth dist.	-2251 Dec 28 j 00:46	17°♊54'11	0.67330 AU
direct	-2250 Feb 05 j 21:32	8°♊24'07	
	-2250 Apr 18 j 06:59	0°♋	
	-2250 Jun 10 j 18:18	0°♌	
	-2250 Jul 26 j 17:11	0°♍	
desc. node	-2250 Aug 26 j 04:00	21°♍30'20	
	-2250 Sep 06 j 18:40	0°♎	
	-2250 Oct 16 j 10:12	0°♏	
	-2250 Nov 23 j 18:31	0°♐	
evening set	-2250 Nov 27 j 01:54	2°♐36'33	
	-2250 Dec 31 j 20:17	0°♑	
conjunction	-2249 Feb 01 j 11:58	24°♑34'48	-1°05'58
minimum elong	-2249 Feb 01 j 12:48	24°♑36'24	1°06'01
	-2249 Feb 08 j 14:04	0°♒	
	-2249 Mar 20 j 18:50	0°♓	
max. Earth dist.	-2249 Mar 23 j 05:40	1°♓47'06	2.43713 AU
morning rise	-2249 Apr 07 j 15:30	12°♓52'44	
	-2249 May 02 j 00:42	0°♈	
	-2249 Jun 15 j 16:21	0°♉	
asc. node	-2249 Jul 01 j 08:38	10°♉07'39	
	-2249 Aug 02 j 03:53	0°♊	
	-2249 Sep 23 j 02:55	0°♋	
	-2249 Dec 05 j 00:57	0°♌	
retrograde	-2249 Dec 24 j 01:35	2°♌02'22	
	-2248 Jan 10 j 21:07	30°℞♋	
opposition	-2248 Jan 31 j 10:25	23°♋16'41	4°50'43
greatest brilliancy	-2248 Feb 01 j 04:52	22°♋58'47	-1.5m
min. Earth dist.	-2248 Feb 05 j 06:56	21°♋23'43	0.63210 AU
direct	-2248 Mar 12 j 14:27	13°♋17'59	
	-2248 May 10 j 17:32	0°♌	
	-2248 Jul 02 j 09:07	0°♍	
desc. node	-2248 Jul 13 j 02:24	7°♍00'00	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-2248 Aug 15 j 06:50	0°♎	
	-2248 Sep 24 j 14:55	0°♏	
	-2248 Nov 02 j 07:39	0°♐	
	-2248 Dec 10 j 16:30	0°♑	
	-2247 Jan 18 j 18:21	0°♒	
evening set	-2247 Feb 02 j 12:41	11°♒04'20	
	-2247 Feb 28 j 07:56	0°♓	
conjunction	-2247 Apr 02 j 20:20	23°♓45'44	-0°26'33
minimum elong	-2247 Apr 02 j 21:47	23°♓48'15	0°26'31
	-2247 Apr 11 j 20:46	0°♈	
max. Earth dist.	-2247 May 04 j 05:53	15°♈13'16	2.56283 AU
asc. node	-2247 May 18 j 07:27	24°♈36'27	
	-2247 May 26 j 11:24	0°♉	
morning rise	-2247 May 27 j 01:06	0°♉22'32	
	-2247 Jul 12 j 00:01	0°♊	
	-2247 Aug 29 j 08:44	0°♋	
	-2247 Oct 19 j 11:53	0°♌	
	-2247 Dec 18 j 16:44	0°♍	
retrograde	-2246 Feb 06 j 02:57	11°♍37'51	
opposition	-2246 Mar 13 j 17:32	4°♍10'31	3°41'45
greatest brilliancy	-2246 Mar 14 j 20:54	3°♍45'54	-2.0m
min. Earth dist.	-2246 Mar 21 j 18:49	1°♍17'09	0.52943 AU
	-2246 Mar 25 j 13:39	30°℞♌	
direct	-2246 Apr 21 j 22:43	25°♌04'56	
	-2246 May 20 j 09:38	0°♍	
desc. node	-2246 May 31 j 01:38	3°♍54'44	
	-2246 Jul 18 j 14:04	0°♎	
	-2246 Aug 31 j 07:52	0°♏	
	-2246 Oct 10 j 14:32	0°♐	
	-2246 Nov 19 j 01:25	0°♑	
	-2246 Dec 29 j 01:55	0°♒	
	-2245 Feb 08 j 12:17	0°♓	
	-2245 Mar 23 j 18:40	0°♈	
evening set	-2245 Mar 28 j 15:12	3°♈17'16	
asc. node	-2245 Apr 05 j 06:16	8°♈25'24	
	-2245 May 07 j 20:10	0°♉	
conjunction	-2245 May 19 j 01:44	7°♉19'21	0°24'43
minimum elong	-2245 May 19 j 00:46	7°♉17'46	0°24'44
max. Earth dist.	-2245 Jun 01 j 02:12	15°♉45'04	2.64462 AU
	-2245 Jun 23 j 06:54	0°♊	
morning rise	-2245 Jul 05 j 20:11	8°♊00'27	
	-2245 Aug 09 j 13:02	0°♋	
	-2245 Sep 26 j 06:32	0°♌	
	-2245 Nov 13 j 18:25	0°♍	
	-2244 Jan 03 j 16:12	0°♎	
	-2244 Mar 06 j 14:11	0°♏	
retrograde	-2244 Apr 10 j 13:39	6°♏34'19	
desc. node	-2244 Apr 17 j 02:08	6°♏18'14	
opposition	-2244 May 11 j 19:24	1°♏08'05	-1°40'01
greatest brilliancy	-2244 May 12 j 03:47	1°♏02'02	-2.8m
	-2244 May 15 j 17:17	30°℞♎	
min. Earth dist.	-2244 May 17 j 21:06	29°♎22'49	0.40353 AU
direct	-2244 Jun 14 j 01:34	24°♎53'25	
	-2244 Jul 12 j 06:12	0°♏	
	-2244 Sep 07 j 18:51	0°♐	
	-2244 Oct 22 j 11:58	0°♑	
	-2244 Dec 04 j 14:01	0°♒	
	-2243 Jan 17 j 03:50	0°♓	
asc. node	-2243 Feb 20 j 03:37	22°♓50'30	
	-2243 Mar 02 j 23:14	0°♈	
	-2243 Apr 18 j 01:22	0°♉	
evening set	-2243 May 09 j 15:55	13°♉51'11	
	-2243 Jun 03 j 23:33	0°♊	
max. Earth dist.	-2243 Jun 24 j 01:22	12°♊47'06	2.67270 AU
conjunction	-2243 Jun 26 j 01:08	14°♊03'12	0°59'31
minimum elong	-2243 Jun 25 j 24:00	14°♊01'22	0°59'34
	-2243 Jul 21 j 00:35	0°♋	
morning rise	-2243 Aug 10 j 03:55	12°♋55'37	
	-2243 Sep 05 j 13:15	0°♌	
	-2243 Oct 21 j 05:51	0°♍	
	-2243 Dec 05 j 03:13	0°♎	
	-2242 Jan 18 j 13:28	0°♏	
	-2242 Mar 04 j 08:02	0°♐	
desc. node	-2242 Mar 05 j 01:45	0°♐29'10	
	-2242 Apr 21 j 08:58	0°♑	
retrograde	-2242 Jun 28 j 03:32	23°♑53'43	
min. Earth dist.	-2242 Jul 24 j 21:22	19°♑24'53	0.39752 AU
opposition	-2242 Jul 30 j 22:48	17°♑37'24	-6°39'24
greatest brilliancy	-2242 Jul 29 j 15:54	18°♑00'22	-2.8m
direct	-2242 Aug 30 j 04:51	12°♑14'27	
	-2242 Oct 28 j 20:56	0°♒	
	-2242 Dec 21 j 18:17	0°♓	
asc. node	-2241 Jan 08 j 02:15	10°♓27'15	
	-2241 Feb 08 j 22:28	0°♈	
	-2241 Mar 29 j 07:39	0°♉	
	-2241 May 16 j 09:54	0°♊	
evening set	-2241 Jun 17 j 03:10	20°♊00'03	
	-2241 Jul 02 j 19:42	0°♋	
max. Earth dist.	-2241 Jul 17 j 22:13	9°♋42'45	2.64655 AU
conjunction	-2241 Aug 02 j 08:17	19°♋43'36	1°10'25
minimum elong	-2241 Aug 02 j 08:25	19°♋43'50	1°10'28
	-2241 Aug 17 j 23:37	0°♌	
morning rise	-2241 Sep 16 j 21:44	20°♌01'00	
	-2241 Oct 01 j 13:16	0°♍	
	-2241 Nov 13 j 11:45	0°♎	
	-2241 Dec 25 j 00:42	0°♏	
desc. node	-2240 Jan 21 j 00:57	19°♏55'17	
	-2240 Feb 03 j 14:21	0°♐	
	-2240 Mar 14 j 22:10	0°♑	
	-2240 Apr 25 j 08:09	0°♒	
	-2240 Jun 10 j 00:18	0°♓	
retrograde	-2240 Aug 21 j 10:25	26°♓34'24	
min. Earth dist.	-2240 Sep 20 j 22:31	20°♓10'45	0.51787 AU
opposition	-2240 Sep 28 j 10:11	17°♓22'02	-2°40'43
greatest brilliancy	-2240 Sep 27 j 18:06	17°♓37'11	-2.1m
direct	-2240 Nov 02 j 02:09	9°♓47'12	
asc. node	-2240 Nov 25 j 02:11	12°♓52'41	
	-2239 Jan 08 j 12:44	0°♈	
	-2239 Mar 05 j 17:54	0°♉	
	-2239 Apr 25 j 16:49	0°♊	
	-2239 Jun 13 j 05:53	0°♋	
evening set	-2239 Jul 24 j 16:36	26°♋44'27	
	-2239 Jul 29 j 14:54	0°♌	
max. Earth dist.	-2239 Aug 13 j 08:21	9°♌50'22	2.56885 AU
conjunction	-2239 Sep 10 j 16:30	29°♌14'36	0°51'12
minimum elong	-2239 Sep 10 j 18:02	29°♌17'15	0°51'13
	-2239 Sep 11 j 18:35	0°♍	
	-2239 Oct 23 j 19:59	0°♎	
morning rise	-2239 Oct 30 j 20:11	5°♎07'50	
	-2239 Dec 03 j 04:30	0°♏	
desc. node	-2239 Dec 08 j 00:13	3°♏39'04	
	-2238 Jan 11 j 09:59	0°♐	
	-2238 Feb 19 j 06:09	0°♑	
	-2238 Mar 30 j 15:12	0°♒	
	-2238 May 10 j 17:41	0°♓	
	-2238 Jun 24 j 13:58	0°♈	
	-2238 Aug 19 j 16:09	0°♉	
retrograde	-2238 Sep 30 j 17:31	9°♉45'16	
asc. node	-2238 Oct 13 j 01:40	8°♉40'48	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

min. Earth dist.	-2238 Nov 05 j 07:26	1°♉29'56	0.62318 AU
opposition	-2238 Nov 09 j 13:13	29°♈47'57	1°06'24
greatest brilliancy	-2238 Nov 09 j 08:30	29°♈52'41	-1.6m
	-2238 Nov 09 j 01:12	30°℞♈	
direct	-2238 Dec 17 j 17:05	20°♈49'10	
	-2237 Jan 29 j 20:30	0°♉	
	-2237 Apr 02 j 18:03	0°♊	
	-2237 May 24 j 08:54	0°♋	
	-2237 Jul 10 j 17:50	0°♌	
	-2237 Aug 24 j 00:08	0°♍	
evening set	-2237 Sep 06 j 09:09	9°♍26'36	
max. Earth dist.	-2237 Sep 22 j 04:31	20°♍49'09	2.45039 AU
	-2237 Oct 04 j 17:10	0°♎	
desc. node	-2237 Oct 25 j 22:29	15°♎51'14	
conjunction	-2237 Oct 30 j 14:40	19°♎23'36	-0°03'14
minimum elong	-2237 Oct 30 j 14:27	19°♎23'12	0°03'15
behind sun begin	-2237 Oct 29 j 14:29	18°♎37'46	
behind sun end	-2237 Oct 31 j 14:25	20°♎08'41	
	-2237 Nov 13 j 12:04	0°♏	
	-2237 Dec 22 j 02:44	0°♐	
morning rise	-2237 Dec 31 j 03:02	7°♐04'01	
	-2236 Jan 29 j 09:12	0°♑	
	-2236 Mar 08 j 04:41	0°♒	
	-2236 Apr 17 j 10:37	0°♓	
	-2236 May 30 j 01:55	0°♈	
	-2236 Jul 15 j 13:05	0°♉	
asc. node	-2236 Aug 30 j 00:49	25°♉21'14	
	-2236 Sep 08 j 19:54	0°♊	
retrograde	-2236 Nov 03 j 19:53	15°♊02'10	
opposition	-2236 Dec 13 j 19:34	5°♊17'20	3°30'32
min. Earth dist.	-2236 Dec 13 j 07:52	5°♊29'06	0.67170 AU
greatest brilliancy	-2236 Dec 13 j 16:36	5°♊20'19	-1.3m
	-2236 Dec 27 j 21:24	30°℞♉	
direct	-2235 Jan 23 j 04:30	25°♉33'02	
	-2235 Feb 21 j 02:54	0°♊	
	-2235 Apr 29 j 20:10	0°♋	
	-2235 Jun 19 j 07:53	0°♌	
	-2235 Aug 03 j 12:03	0°♍	
desc. node	-2235 Sep 11 j 20:27	28°♍09'50	
	-2235 Sep 14 j 08:07	0°♎	
	-2235 Oct 23 j 22:44	0°♏	
evening set	-2235 Oct 31 j 15:39	5°♏58'19	
	-2235 Dec 01 j 07:22	0°♐	
conjunction	-2234 Jan 04 j 09:28	26°♐52'22	-1°02'29
minimum elong	-2234 Jan 04 j 07:22	26°♐48'14	1°02'31
	-2234 Jan 08 j 09:02	0°♑	
max. Earth dist.	-2234 Feb 14 j 08:46	28°♑41'38	2.38809 AU
	-2234 Feb 16 j 01:47	0°♒	
morning rise	-2234 Mar 13 j 20:38	19°♒25'53	
	-2234 Mar 28 j 04:58	0°♓	
	-2234 May 09 j 10:05	0°♈	
	-2234 Jun 23 j 06:04	0°♉	
asc. node	-2234 Jul 18 j 00:31	15°♉42'48	
	-2234 Aug 10 j 13:35	0°♊	
	-2234 Oct 05 j 02:40	0°♋	
retrograde	-2234 Dec 09 j 04:06	18°♋36'34	
opposition	-2233 Jan 17 j 05:20	9°♋29'35	4°43'27
greatest brilliancy	-2233 Jan 17 j 16:59	9°♋18'08	-1.4m
min. Earth dist.	-2233 Jan 20 j 14:00	8°♋10'13	0.65612 AU
	-2233 Feb 18 j 10:17	30°℞♊	
direct	-2233 Feb 27 j 11:32	29°♊28'00	
	-2233 Mar 08 j 20:45	0°♋	
	-2233 May 25 j 06:43	0°♌	
	-2233 Jul 12 j 21:40	0°♍	
desc. node	-2233 Jul 30 j 20:02	12°♍12'31	
	-2233 Aug 24 j 19:04	0°♎	
	-2233 Oct 03 j 17:47	0°♏	
	-2233 Nov 11 j 05:26	0°♐	
	-2233 Dec 19 j 09:54	0°♑	
evening set	-2232 Jan 09 j 02:13	16°♑03'49	
	-2232 Jan 27 j 07:05	0°♒	
	-2232 Mar 07 j 15:50	0°♓	
conjunction	-2232 Mar 12 j 04:54	3°♓17'34	-0°46'28
minimum elong	-2232 Mar 12 j 07:19	3°♓21'55	0°46'28
	-2232 Apr 19 j 00:21	0°♈	
max. Earth dist.	-2232 Apr 20 j 20:47	1°♈16'38	2.51761 AU
morning rise	-2232 May 09 j 06:23	13°♈49'25	
	-2232 Jun 02 j 13:23	0°♉	
asc. node	-2232 Jun 03 j 22:33	0°♉54'29	
	-2232 Jul 19 j 06:54	0°♊	
	-2232 Sep 06 j 12:48	0°♋	
	-2232 Oct 30 j 18:11	0°♌	
retrograde	-2231 Jan 18 j 00:53	25°♌17'44	
opposition	-2231 Feb 23 j 22:12	17°♌14'26	4°27'35
greatest brilliancy	-2231 Feb 25 j 00:56	16°♌49'23	-1.7m
min. Earth dist.	-2231 Mar 02 j 21:45	14°♌37'49	0.57637 AU
direct	-2231 Apr 05 j 06:36	7°♌37'16	
	-2231 Jun 12 j 12:45	0°♍	
desc. node	-2231 Jun 16 j 19:18	2°♍22'10	
	-2231 Jul 30 j 15:31	0°♎	
	-2231 Sep 10 j 08:19	0°♏	
	-2231 Oct 19 j 17:29	0°♐	
	-2231 Nov 27 j 14:00	0°♑	
	-2230 Jan 06 j 02:22	0°♒	
	-2230 Feb 16 j 02:02	0°♓	
evening set	-2230 Mar 09 j 08:01	15°♓02'13	
	-2230 Mar 30 j 23:23	0°♈	
asc. node	-2230 Apr 21 j 20:57	14°♈48'38	
conjunction	-2230 May 02 j 09:16	21°♈48'53	0°06'10
minimum elong	-2230 May 02 j 08:58	21°♈48'23	0°06'11
behind sun begin	-2230 May 01 j 12:57	21°♈15'13	
behind sun end	-2230 May 03 j 04:58	22°♈21'31	
	-2230 May 14 j 18:56	0°♉	
max. Earth dist.	-2230 May 22 j 00:19	4°♉43'58	2.61885 AU
morning rise	-2230 Jun 21 j 03:22	24°♉13'10	
	-2230 Jun 30 j 04:22	0°♊	
	-2230 Aug 16 j 17:12	0°♋	
	-2230 Oct 04 j 08:07	0°♌	
	-2230 Nov 24 j 03:19	0°♍	
	-2229 Jan 22 j 03:15	0°♎	
retrograde	-2229 Mar 14 j 03:15	12°♎31'33	
opposition	-2229 Apr 16 j 06:53	6°♎15'28	1°07'00
greatest brilliancy	-2229 Apr 16 j 16:47	6°♎07'31	-2.5m
min. Earth dist.	-2229 Apr 24 j 12:25	3°♎37'31	0.44935 AU
desc. node	-2229 May 04 j 17:56	0°♎47'34	
	-2229 May 08 j 12:02	30°℞♍	
direct	-2229 May 22 j 09:58	28°♍39'55	
	-2229 Jun 05 j 12:54	0°♎	
	-2229 Aug 10 j 03:43	0°♏	
	-2229 Sep 23 j 08:33	0°♐	
	-2229 Nov 03 j 18:25	0°♑	
	-2229 Dec 15 j 02:41	0°♒	
	-2228 Jan 26 j 13:17	0°♓	
asc. node	-2228 Mar 08 j 20:12	28°♓50'19	
	-2228 Mar 10 j 13:51	0°♈	
evening set	-2228 Apr 23 j 18:24	29°♈05'55	
	-2228 Apr 25 j 03:43	0°♉	
	-2228 Jun 10 j 19:32	0°♊	
conjunction	-2228 Jun 11 j 08:47	0°♊21'10	0°48'35

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

minimum elong	-2228 Jun 11 j 07:29	0°♊19'05	0°48'36
max. Earth dist.	-2228 Jun 15 j 02:08	2°♊43'45	2.66810 AU
morning rise	-2228 Jul 27 j 03:40	29°♊32'48	
	-2228 Jul 27 j 20:44	0°♋	
	-2228 Sep 12 j 17:36	0°♌	
	-2228 Oct 29 j 05:01	0°♍	
	-2228 Dec 14 j 13:13	0°♎	
	-2227 Jan 30 j 14:38	0°♏	
desc. node	-2227 Mar 21 j 18:01	29°♏41'59	
	-2227 Mar 22 j 07:21	0°♐	
retrograde	-2227 May 30 j 08:34	23°♐05'26	
min. Earth dist.	-2227 Jun 28 j 06:34	18°♐21'34	0.37646 AU
opposition	-2227 Jun 29 j 22:34	17°♐54'56	-6°07'49
greatest brilliancy	-2227 Jun 29 j 13:04	18°♐01'15	-2.9m
direct	-2227 Jul 29 j 16:46	12°♐57'33	
	-2227 Sep 24 j 15:33	0°♑	
	-2227 Nov 15 j 16:29	0°♒	
	-2226 Jan 01 j 21:57	0°♓	
asc. node	-2226 Jan 24 j 18:29	14°♓40'46	
	-2226 Feb 17 j 16:39	0°♈	
	-2226 Apr 05 j 22:05	0°♉	
	-2226 May 23 j 10:27	0°♊	
evening set	-2226 Jun 02 j 09:30	6°♊18'00	
max. Earth dist.	-2226 Jul 08 j 10:15	29°♊13'43	2.66309 AU
	-2226 Jul 09 j 15:10	0°♋	
conjunction	-2226 Jul 18 j 18:10	5°♋51'33	1°09'23
minimum elong	-2226 Jul 18 j 17:42	5°♋50'48	1°09'26
	-2226 Aug 24 j 21:05	0°♌	
morning rise	-2226 Sep 01 j 18:06	5°♌11'39	
	-2226 Oct 08 j 18:59	0°♍	
	-2226 Nov 21 j 07:44	0°♎	
	-2225 Jan 02 j 15:56	0°♏	
desc. node	-2225 Feb 06 j 18:03	25°♏18'12	
	-2225 Feb 13 j 05:40	0°♐	
	-2225 Mar 26 j 21:26	0°♑	
	-2225 May 09 j 19:01	0°♒	
	-2225 Jul 05 j 14:49	0°♓	
retrograde	-2225 Aug 03 j 12:55	5°♓28'16	
	-2225 Aug 31 j 18:29	30°℞♒	
min. Earth dist.	-2225 Aug 31 j 20:32	29°♒58'15	0.46729 AU
opposition	-2225 Sep 08 j 23:24	27°♒07'21	-4°28'39
greatest brilliancy	-2225 Sep 07 j 19:19	27°♒32'08	-2.3m
direct	-2225 Oct 11 j 21:59	20°♒20'55	
	-2225 Nov 23 j 14:29	0°♓	
asc. node	-2225 Dec 12 j 17:10	8°♓20'07	
	-2224 Jan 23 j 03:05	0°♈	
	-2224 Mar 14 j 19:24	0°♉	
	-2224 May 03 j 07:23	0°♊	
	-2224 Jun 20 j 06:58	0°♋	
evening set	-2224 Jul 09 j 09:18	12°♋14'32	
max. Earth dist.	-2224 Aug 02 j 00:33	27°♋40'48	2.60501 AU
	-2224 Aug 05 j 12:42	0°♌	
conjunction	-2224 Aug 25 j 06:55	13°♌13'23	1°02'41
minimum elong	-2224 Aug 25 j 08:01	13°♌15'16	1°02'43
	-2224 Sep 18 j 19:05	0°♍	
morning rise	-2224 Oct 12 j 00:15	16°♍17'21	
	-2224 Oct 31 j 03:21	0°♎	
	-2224 Dec 10 j 20:55	0°♏	
desc. node	-2224 Dec 24 j 16:38	10°♏23'22	
	-2223 Jan 19 j 12:16	0°♐	
	-2223 Feb 27 j 18:17	0°♑	
	-2223 Apr 08 j 14:38	0°♒	
	-2223 May 20 j 13:30	0°♓	
	-2223 Jul 07 j 01:05	0°♈	
retrograde	-2223 Sep 16 j 01:12	24°♈32'18	
min. Earth dist.	-2223 Oct 19 j 18:52	16°♈55'58	0.58774 AU
opposition	-2223 Oct 25 j 10:15	14°♈42'04	-0°11'02
greatest brilliancy	-2223 Oct 25 j 09:28	14°♈42'52	-1.8m
asc. node	-2223 Oct 29 j 17:08	13°♈01'58	
direct	-2223 Dec 01 j 08:42	6°♈10'28	
	-2222 Feb 15 j 12:37	0°♉	
	-2222 Apr 12 j 01:04	0°♊	
	-2222 Jun 01 j 02:03	0°♋	
	-2222 Jul 17 j 23:07	0°♌	
evening set	-2222 Aug 19 j 08:02	21°♌49'00	
	-2222 Aug 31 j 03:12	0°♍	
max. Earth dist.	-2222 Sep 03 j 18:31	2°♍32'54	2.49987 AU
conjunction	-2222 Oct 09 j 10:43	28°♍10'01	0°21'54
minimum elong	-2222 Oct 09 j 11:51	28°♍12'05	0°21'53
	-2222 Oct 11 j 22:37	0°♎	
desc. node	-2222 Nov 11 j 15:56	22°♎57'49	
	-2222 Nov 20 j 21:43	0°♏	
morning rise	-2222 Dec 04 j 16:38	10°♏35'13	
	-2222 Dec 29 j 16:58	0°♐	
	-2221 Feb 06 j 03:23	0°♑	
	-2221 Mar 17 j 02:08	0°♒	
	-2221 Apr 26 j 12:31	0°♓	
	-2221 Jun 08 j 14:57	0°♈	
	-2221 Jul 26 j 17:18	0°♉	
asc. node	-2221 Sep 16 j 16:30	24°♉57'47	
	-2221 Oct 04 j 08:24	0°♊	
retrograde	-2221 Oct 22 j 10:29	1°♊58'10	
	-2221 Nov 08 j 09:50	30°℞♉	
min. Earth dist.	-2221 Nov 29 j 12:13	22°♉52'42	0.66020 AU
opposition	-2221 Dec 01 j 11:53	22°♉04'42	2°43'28
greatest brilliancy	-2221 Dec 01 j 06:01	22°♉10'37	-1.4m
direct	-2220 Jan 10 j 03:34	12°♉34'54	
	-2220 Mar 13 j 09:22	0°♊	
	-2220 May 09 j 11:01	0°♋	
	-2220 Jun 27 j 07:38	0°♌	
	-2220 Aug 11 j 00:39	0°♍	
	-2220 Sep 21 j 18:33	0°♎	
desc. node	-2220 Sep 28 j 14:50	5°♎05'10	
evening set	-2220 Oct 07 j 14:49	11°♎50'09	
	-2220 Oct 31 j 10:01	0°♏	
max. Earth dist.	-2220 Nov 14 j 02:22	10°♏36'32	2.38114 AU
conjunction	-2220 Dec 07 j 09:17	28°♏51'26	-0°44'39
minimum elong	-2220 Dec 07 j 06:20	28°♏45'37	0°44'40
	-2220 Dec 08 j 20:08	0°♐	
	-2219 Jan 15 j 22:37	0°♑	
morning rise	-2219 Feb 13 j 19:37	22°♑28'17	
	-2219 Feb 23 j 15:03	0°♒	
	-2219 Apr 04 j 17:33	0°♓	
	-2219 May 16 j 23:42	0°♈	
	-2219 Jul 01 j 04:06	0°♉	
asc. node	-2219 Aug 03 j 14:59	20°♉36'20	
	-2219 Aug 19 j 21:30	0°♊	
	-2219 Oct 23 j 13:03	0°♋	
retrograde	-2219 Nov 25 j 03:13	5°♋39'41	
	-2219 Dec 24 j 21:14	30°℞♊	
opposition	-2218 Jan 03 j 16:08	26°♊15'18	4°23'45
greatest brilliancy	-2218 Jan 03 j 21:12	26°♊10'15	-1.3m
min. Earth dist.	-2218 Jan 05 j 12:22	25°♊31'19	0.67002 AU
direct	-2218 Feb 13 j 18:01	16°♊16'58	
	-2218 Apr 08 j 20:55	0°♋	
	-2218 Jun 04 j 17:59	0°♌	
	-2218 Jul 21 j 11:25	0°♍	
desc. node	-2218 Aug 16 j 12:49	18°♍11'31	
	-2218 Sep 01 j 19:31	0°♎	
	-2218 Oct 11 j 13:34	0°♏	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-2218 Nov 18 j 23:03	0°♐	
evening set	-2218 Dec 12 j 14:39	18°♐38'45	
	-2218 Dec 27 j 01:26	0°♑	
	-2217 Feb 03 j 19:39	0°♒	
conjunction	-2217 Feb 16 j 13:37	9°♒39'04	-1°01'39
minimum elong	-2217 Feb 16 j 15:39	9°♒42'55	1°01'41
	-2217 Mar 16 j 00:50	0°♓	
max. Earth dist.	-2217 Apr 04 j 19:11	14°♓14'18	2.46629 AU
morning rise	-2217 Apr 20 j 05:22	25°♓06'33	
	-2217 Apr 27 j 06:13	0°♈	
	-2217 Jun 10 j 19:12	0°♉	
asc. node	-2217 Jun 21 j 14:37	7°♉02'30	
	-2217 Jul 27 j 21:22	0°♊	
	-2217 Sep 16 j 12:51	0°♋	
	-2217 Nov 16 j 10:32	0°♌	
retrograde	-2216 Jan 02 j 01:54	10°♌29'31	
opposition	-2216 Feb 08 j 23:29	1°♌57'19	4°47'36
greatest brilliancy	-2216 Feb 09 j 21:26	1°♌36'15	-1.5m
	-2216 Feb 14 j 01:37	30°℞♋	
min. Earth dist.	-2216 Feb 14 j 14:48	29°♋47'27	0.61482 AU
direct	-2216 Mar 20 j 22:57	22°♋03'22	
	-2216 Apr 28 j 06:39	0°♌	
	-2216 Jun 25 j 14:50	0°♍	
desc. node	-2216 Jul 03 j 11:29	4°♍55'47	
	-2216 Aug 09 j 13:46	0°♎	
	-2216 Sep 19 j 06:57	0°♏	
	-2216 Oct 28 j 04:23	0°♐	
	-2216 Dec 05 j 16:23	0°♑	
	-2215 Jan 13 j 20:51	0°♒	
evening set	-2215 Feb 15 j 19:23	24°♒23'59	
	-2215 Feb 23 j 12:58	0°♓	
	-2215 Apr 07 j 03:38	0°♈	
conjunction	-2215 Apr 14 j 02:15	4°♈45'16	-0°14'26
minimum elong	-2215 Apr 14 j 03:01	4°♈46'34	0°14'25
behind sun begin	-2215 Apr 13 j 17:39	4°♈30'35	
behind sun end	-2215 Apr 14 j 12:24	5°♈02'33	
asc. node	-2215 May 08 j 13:45	21°♈15'12	
max. Earth dist.	-2215 May 11 j 02:28	22°♈56'11	2.58488 AU
	-2215 May 21 j 18:52	0°♉	
morning rise	-2215 Jun 05 j 12:05	9°♉37'45	
	-2215 Jul 07 j 04:51	0°♊	
	-2215 Aug 24 j 04:13	0°♋	
	-2215 Oct 13 j 03:27	0°♌	
	-2215 Dec 07 j 06:02	0°♍	
retrograde	-2214 Feb 18 j 02:31	22°♍17'35	
opposition	-2214 Mar 24 j 22:24	15°♍13'09	2°58'52
greatest brilliancy	-2214 Mar 25 j 22:29	14°♍52'07	-2.1m
min. Earth dist.	-2214 Apr 02 j 08:33	12°♍17'45	0.50145 AU
direct	-2214 May 02 j 06:23	6°♍33'11	
desc. node	-2214 May 21 j 11:03	8°♍55'14	
	-2214 Jul 09 j 02:38	0°♎	
	-2214 Aug 24 j 08:28	0°♏	
	-2214 Oct 04 j 12:07	0°♐	
	-2214 Nov 13 j 10:42	0°♑	
	-2214 Dec 23 j 19:16	0°♒	
	-2213 Feb 03 j 12:02	0°♓	
	-2213 Mar 18 j 23:09	0°♈	
asc. node	-2213 Mar 26 j 11:48	5°♈04'17	
evening set	-2213 Apr 07 j 20:42	13°♈20'09	
	-2213 May 03 j 03:56	0°♉	
conjunction	-2213 May 28 j 03:24	16°♉11'52	0°34'20
minimum elong	-2213 May 28 j 02:12	16°♉09'58	0°34'22
max. Earth dist.	-2213 Jun 06 j 16:30	22°♉20'17	2.65530 AU
	-2213 Jun 18 j 15:31	0°♊	
morning rise	-2213 Jul 14 j 01:30	16°♊12'06	
	-2213 Aug 04 j 19:02	0°♋	
	-2213 Sep 21 j 03:32	0°♌	
	-2213 Nov 07 j 17:54	0°♍	
	-2213 Dec 26 j 10:49	0°♎	
	-2212 Feb 17 j 10:26	0°♏	
desc. node	-2212 Apr 07 j 09:59	20°♏03'52	
retrograde	-2212 Apr 28 j 02:36	22°♏36'46	
opposition	-2212 May 28 j 17:54	17°♏29'47	-3°30'21
greatest brilliancy	-2212 May 29 j 03:19	17°♏23'18	-2.9m
min. Earth dist.	-2212 Jun 01 j 10:37	16°♏28'54	0.38617 AU
direct	-2212 Jun 29 j 07:42	11°♏56'08	
	-2212 Aug 25 j 19:49	0°♐	
	-2212 Oct 14 j 05:55	0°♑	
	-2212 Nov 28 j 00:38	0°♒	
	-2211 Jan 11 j 12:02	0°♓	
asc. node	-2211 Feb 10 j 10:09	19°♓52'48	
	-2211 Feb 25 j 20:10	0°♈	
	-2211 Apr 13 j 06:03	0°♉	
evening set	-2211 May 18 j 10:08	22°♉25'23	
	-2211 May 30 j 08:17	0°♊	
max. Earth dist.	-2211 Jun 29 j 08:23	19°♊05'14	2.67160 AU
conjunction	-2211 Jul 04 j 07:51	22°♊15'44	1°04'15
minimum elong	-2211 Jul 04 j 06:55	22°♊14'14	1°04'17
	-2211 Jul 16 j 10:17	0°♋	
morning rise	-2211 Aug 18 j 06:28	21°♋09'49	
	-2211 Aug 31 j 20:17	0°♌	
	-2211 Oct 16 j 05:22	0°♍	
	-2211 Nov 29 j 13:12	0°♎	
	-2210 Jan 12 j 01:10	0°♏	
desc. node	-2210 Feb 23 j 10:23	29°♏25'08	
	-2210 Feb 24 j 06:34	0°♐	
	-2210 Apr 09 j 17:07	0°♑	
	-2210 Jun 01 j 05:41	0°♒	
retrograde	-2210 Jul 12 j 11:17	10°♒26'14	
min. Earth dist.	-2210 Aug 08 j 06:17	5°♒43'22	0.41940 AU
greatest brilliancy	-2210 Aug 14 j 06:55	3°♒49'13	-2.6m
opposition	-2210 Aug 15 j 17:25	3°♒21'49	-6°06'31
	-2210 Aug 27 j 08:40	30°℞♑	
direct	-2210 Sep 15 j 18:52	27°♑30'24	
	-2210 Oct 05 j 23:23	0°♒	
	-2210 Dec 13 j 07:58	0°♓	
asc. node	-2210 Dec 29 j 08:50	9°♓04'09	
	-2209 Feb 02 j 19:20	0°♈	
	-2209 Mar 24 j 02:19	0°♉	
	-2209 May 11 j 14:40	0°♊	
evening set	-2209 Jun 25 j 12:56	28°♊17'52	
	-2209 Jun 28 j 04:56	0°♋	
max. Earth dist.	-2209 Jul 23 j 15:31	16°♋23'25	2.63408 AU
conjunction	-2209 Aug 10 j 20:22	28°♋18'46	1°08'58
minimum elong	-2209 Aug 10 j 20:53	28°♋19'36	1°09'01
	-2209 Aug 13 j 09:40	0°♌	
morning rise	-2209 Sep 25 j 23:15	29°♌22'45	
	-2209 Sep 26 j 20:54	0°♍	
	-2209 Nov 08 j 14:23	0°♎	
	-2209 Dec 19 j 19:49	0°♏	
desc. node	-2208 Jan 11 j 10:46	16°♏49'16	
	-2208 Jan 29 j 00:15	0°♐	
	-2208 Mar 08 j 20:25	0°♑	
	-2208 Apr 18 j 11:34	0°♒	
	-2208 Jun 01 j 02:59	0°♓	
	-2208 Jul 26 j 16:34	0°♈	
retrograde	-2208 Aug 31 j 05:41	7°♈41'26	
min. Earth dist.	-2208 Oct 01 j 22:45	0°♈49'58	0.54451 AU
	-2208 Oct 04 j 03:07	30°℞♓	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

opposition	-2208 Oct 08 j 20:30	28°♓10'21	-1°42'04
greatest brilliancy	-2208 Oct 08 j 10:53	28°♓19'38	-1.9m
direct	-2208 Nov 13 j 08:44	20°♓12'52	
asc. node	-2208 Nov 15 j 07:30	20°♓14'21	
	-2208 Dec 27 j 08:13	0°♈	
	-2207 Feb 27 j 04:59	0°♉	
	-2207 Apr 20 j 09:56	0°♊	
	-2207 Jun 08 j 10:24	0°♋	
	-2207 Jul 24 j 23:46	0°♌	
evening set	-2207 Aug 02 j 17:44	5°♌49'07	
max. Earth dist.	-2207 Aug 20 j 13:52	17°♌52'02	2.54602 AU
	-2207 Sep 07 j 03:53	0°♍	
conjunction	-2207 Sep 20 j 14:38	9°♍27'01	0°42'04
minimum elong	-2207 Sep 20 j 16:12	9°♍29'47	0°42'05
	-2207 Oct 19 j 03:37	0°♎	
morning rise	-2207 Nov 11 j 13:40	17°♎19'55	
desc. node	-2207 Nov 28 j 09:00	0°♏00'02	
	-2207 Nov 28 j 08:59	0°♏	
	-2206 Jan 06 j 10:48	0°♐	
	-2206 Feb 14 j 03:05	0°♑	
	-2206 Mar 25 j 07:11	0°♒	
	-2206 May 05 j 01:22	0°♓	
	-2206 Jun 17 j 23:53	0°♈	
	-2206 Aug 08 j 11:31	0°♉	
asc. node	-2206 Oct 03 j 07:16	18°♉10'46	
retrograde	-2206 Oct 08 j 19:04	18°♉22'43	
min. Earth dist.	-2206 Nov 14 j 07:16	9°♉48'30	0.63886 AU
opposition	-2206 Nov 17 j 18:22	8°♉24'58	1°45'40
greatest brilliancy	-2206 Nov 17 j 12:10	8°♉31'12	-1.5m
	-2206 Dec 15 j 15:37	30°℞♈	
direct	-2206 Dec 26 j 12:19	29°♈13'52	
	-2205 Jan 06 j 22:40	0°♉	
	-2205 Mar 26 j 22:35	0°♊	
	-2205 May 19 j 00:47	0°♋	
	-2205 Jul 05 j 21:19	0°♌	
	-2205 Aug 19 j 07:28	0°♍	
evening set	-2205 Sep 17 j 10:12	20°♍45'01	
	-2205 Sep 30 j 01:09	0°♎	
max. Earth dist.	-2205 Oct 05 j 15:21	4°♎08'41	2.42293 AU
desc. node	-2205 Oct 16 j 07:03	12°♎06'57	
	-2205 Nov 08 j 18:56	0°♏	
conjunction	-2205 Nov 12 j 19:00	3°♏05'02	-0°18'44
minimum elong	-2205 Nov 12 j 17:40	3°♏02'28	0°18'44
	-2205 Dec 17 j 07:56	0°♐	
morning rise	-2204 Jan 16 j 07:17	23°♐33'03	
	-2204 Jan 24 j 12:46	0°♑	
	-2204 Mar 03 j 06:33	0°♒	
	-2204 Apr 12 j 10:11	0°♓	
	-2204 May 24 j 20:15	0°♈	
	-2204 Jul 09 j 15:40	0°♉	
asc. node	-2204 Aug 20 j 07:16	24°♉23'11	
	-2204 Aug 30 j 23:27	0°♊	
retrograde	-2204 Nov 11 j 13:26	22°♊51'53	
opposition	-2204 Dec 21 j 10:03	13°♊13'22	3°53'10
greatest brilliancy	-2204 Dec 21 j 09:30	13°♊13'55	-1.3m
min. Earth dist.	-2204 Dec 21 j 17:52	13°♊05'32	0.67383 AU
direct	-2203 Jan 31 j 02:10	3°♊23'03	
	-2203 Apr 22 j 17:11	0°♋	
	-2203 Jun 13 j 20:13	0°♌	
	-2203 Jul 29 j 12:10	0°♍	
desc. node	-2203 Sep 02 j 05:48	24°♍39'14	
	-2203 Sep 09 j 12:37	0°♎	
	-2203 Oct 19 j 04:26	0°♏	
evening set	-2203 Nov 15 j 06:52	21°♏08'07	
	-2203 Nov 26 j 13:07	0°♐	
	-2202 Jan 03 j 14:32	0°♑	
conjunction	-2202 Jan 20 j 08:40	13°♑05'41	-1°06'18
minimum elong	-2202 Jan 20 j 08:12	13°♑04'46	1°06'21
	-2202 Feb 11 j 06:57	0°♒	
max. Earth dist.	-2202 Mar 10 j 20:10	20°♒44'50	2.41378 AU
	-2202 Mar 23 j 09:48	0°♓	
morning rise	-2202 Mar 28 j 07:29	3°♓34'17	
	-2202 May 04 j 13:48	0°♈	
	-2202 Jun 18 j 05:23	0°♉	
asc. node	-2202 Jul 08 j 06:04	12°♉52'02	
	-2202 Aug 04 j 22:25	0°♊	
	-2202 Sep 26 j 23:39	0°♋	
retrograde	-2202 Dec 17 j 14:52	26°♋41'33	
opposition	-2201 Jan 25 j 07:07	17°♋45'48	4°49'04
greatest brilliancy	-2201 Jan 25 j 22:30	17°♋30'46	-1.4m
min. Earth dist.	-2201 Jan 29 j 11:14	16°♋08'00	0.64403 AU
direct	-2201 Mar 07 j 12:33	7°♋45'07	
	-2201 May 17 j 06:39	0°♌	
	-2201 Jul 06 j 23:28	0°♍	
desc. node	-2201 Jul 21 j 04:23	9°♍26'53	
	-2201 Aug 19 j 11:21	0°♎	
	-2201 Sep 28 j 15:53	0°♏	
	-2201 Nov 06 j 06:35	0°♐	
	-2201 Dec 14 j 13:09	0°♑	
	-2200 Jan 22 j 11:55	0°♒	
evening set	-2200 Jan 23 j 17:59	0°♒56'57	
	-2200 Mar 02 j 22:04	0°♓	
conjunction	-2200 Mar 24 j 19:09	15°♓40'11	-0°35'19
minimum elong	-2200 Mar 24 j 21:06	15°♓43'37	0°35'19
	-2200 Apr 14 j 07:31	0°♈	
max. Earth dist.	-2200 Apr 28 j 23:04	10°♈01'46	2.54335 AU
morning rise	-2200 May 19 j 15:03	23°♈54'44	
asc. node	-2200 May 25 j 04:56	27°♈36'31	
	-2200 May 28 j 19:57	0°♉	
	-2200 Jul 14 j 09:08	0°♊	
	-2200 Sep 01 j 00:52	0°♋	
	-2200 Oct 23 j 04:32	0°♌	
	-2200 Dec 29 j 09:33	0°♍	
retrograde	-2199 Jan 28 j 14:08	4°♍49'51	
	-2199 Feb 25 j 11:46	30°℞♌	
opposition	-2199 Mar 05 j 19:22	27°♌05'25	4°04'35
greatest brilliancy	-2199 Mar 06 j 22:59	26°♌40'03	-1.8m
min. Earth dist.	-2199 Mar 13 j 10:25	24°♌17'52	0.55121 AU
direct	-2199 Apr 14 j 14:09	17°♌43'44	
	-2199 Jun 01 j 02:22	0°♍	
desc. node	-2199 Jun 07 j 03:03	2°♍50'47	
	-2199 Jul 23 j 13:05	0°♎	
	-2199 Sep 04 j 06:45	0°♏	
	-2199 Oct 14 j 02:59	0°♐	
	-2199 Nov 22 j 06:42	0°♑	
	-2198 Jan 01 j 00:34	0°♒	
	-2198 Feb 11 j 04:50	0°♓	
evening set	-2198 Mar 20 j 13:11	26°♓06'27	
	-2198 Mar 26 j 05:48	0°♈	
asc. node	-2198 Apr 12 j 03:53	11°♈26'30	
	-2198 May 10 j 03:26	0°♉	
conjunction	-2198 May 12 j 01:50	1°♉16'02	0°17'11
minimum elong	-2198 May 12 j 01:06	1°♉14'50	0°17'12
max. Earth dist.	-2198 May 27 j 22:07	11°♉35'41	2.63414 AU
	-2198 Jun 25 j 12:35	0°♊	
morning rise	-2198 Jun 29 j 15:37	2°♊38'06	
	-2198 Aug 11 j 21:00	0°♋	
	-2198 Sep 28 j 22:36	0°♌	
	-2198 Nov 17 j 06:34	0°♍	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-2197 Jan 09 j 14:04	0°♎	
retrograde	-2197 Mar 29 j 15:08	25°♎58'55	
desc. node	-2197 Apr 25 j 03:30	21°♎49'10	
opposition	-2197 Apr 30 j 16:00	20°♎11'27	-0°21'28
greatest brilliancy	-2197 Apr 30 j 18:24	20°♎09'38	-2.6m
min. Earth dist.	-2197 May 08 j 00:28	17°♎57'48	0.42233 AU
direct	-2197 Jun 04 j 07:09	13°♎19'45	
	-2197 Jul 28 j 13:58	0°♏	
	-2197 Sep 15 j 04:13	0°♐	
	-2197 Oct 28 j 01:33	0°♑	
	-2197 Dec 09 j 05:27	0°♒	
	-2196 Jan 21 j 04:53	0°♓	
asc. node	-2196 Feb 28 j 01:19	25°♓38'33	
	-2196 Mar 05 j 14:18	0°♈	
	-2196 Apr 20 j 09:54	0°♉	
evening set	-2196 May 02 j 23:33	8°♉06'14	
	-2196 Jun 06 j 04:35	0°♊	
conjunction	-2196 Jun 19 j 20:06	8°♊41'55	0°55'21
minimum elong	-2196 Jun 19 j 18:53	8°♊39'58	0°55'23
max. Earth dist.	-2196 Jun 20 j 10:05	9°♊04'11	2.67176 AU
	-2196 Jul 23 j 05:37	0°♋	
morning rise	-2196 Aug 04 j 04:21	7°♋38'44	
	-2196 Sep 07 j 21:54	0°♌	
	-2196 Oct 23 j 22:36	0°♍	
	-2196 Dec 08 j 10:10	0°♎	
	-2195 Jan 22 j 19:41	0°♏	
	-2195 Mar 10 j 10:07	0°♐	
desc. node	-2195 Mar 12 j 03:33	1°♐04'22	
	-2195 May 03 j 11:20	0°♑	
retrograde	-2195 Jun 16 j 02:32	11°♑04'15	
min. Earth dist.	-2195 Jul 13 j 10:03	6°♑36'33	0.38455 AU
opposition	-2195 Jul 17 j 18:41	5°♑23'16	-6°42'42
greatest brilliancy	-2195 Jul 16 j 19:33	5°♑39'32	-2.8m
direct	-2195 Aug 16 j 14:54	0°♑17'43	
	-2195 Nov 06 j 00:28	0°♒	
	-2195 Dec 26 j 02:56	0°♓	
asc. node	-2194 Jan 14 j 23:40	12°♓22'44	
	-2194 Feb 12 j 01:45	0°♈	
	-2194 Mar 31 j 21:12	0°♉	
	-2194 May 18 j 16:50	0°♊	
evening set	-2194 Jun 10 j 20:55	14°♊37'21	
	-2194 Jul 05 j 00:42	0°♋	
max. Earth dist.	-2194 Jul 13 j 21:20	5°♋41'08	2.65502 AU
conjunction	-2194 Jul 27 j 02:07	14°♋12'24	1°10'30
minimum elong	-2194 Jul 27 j 02:00	14°♋12'13	1°10'32
	-2194 Aug 20 j 06:06	0°♌	
morning rise	-2194 Sep 10 j 07:31	13°♌59'20	
	-2194 Oct 04 j 00:02	0°♍	
	-2194 Nov 16 j 05:19	0°♎	
	-2194 Dec 28 j 02:45	0°♏	
desc. node	-2193 Jan 28 j 02:48	22°♏39'29	
	-2193 Feb 07 j 02:16	0°♐	
	-2193 Mar 19 j 21:55	0°♑	
	-2193 May 01 j 02:27	0°♒	
	-2193 Jun 18 j 05:20	0°♓	
retrograde	-2193 Aug 14 j 14:22	18°♓17'17	
min. Earth dist.	-2193 Sep 13 j 03:07	12°♓16'56	0.49536 AU
opposition	-2193 Sep 20 j 23:14	9°♓24'38	-3°26'33
greatest brilliancy	-2193 Sep 20 j 01:53	9°♓44'17	-2.2m
direct	-2193 Oct 24 j 20:45	2°♓10'15	
asc. node	-2193 Dec 02 j 23:36	10°♓20'40	
	-2192 Jan 15 j 01:23	0°♈	
	-2192 Mar 08 j 23:08	0°♉	
	-2192 Apr 28 j 05:52	0°♊	
	-2192 Jun 15 j 13:34	0°♋	
evening set	-2192 Jul 18 j 01:50	20°♋53'55	
	-2192 Jul 31 j 22:08	0°♌	
max. Earth dist.	-2192 Aug 08 j 10:28	4°♌59'38	2.58604 AU
conjunction	-2192 Sep 03 j 12:01	22°♌37'55	0°56'42
minimum elong	-2192 Sep 03 j 13:24	22°♌40'17	0°56'44
	-2192 Sep 14 j 04:07	0°♍	
morning rise	-2192 Oct 22 j 10:29	27°♍07'47	
	-2192 Oct 26 j 09:33	0°♎	
	-2192 Dec 05 j 22:39	0°♏	
desc. node	-2192 Dec 15 j 01:59	6°♏53'55	
	-2191 Jan 14 j 08:34	0°♐	
	-2191 Feb 22 j 08:43	0°♑	
	-2191 Apr 02 j 21:22	0°♒	
	-2191 May 14 j 05:45	0°♓	
	-2191 Jun 28 j 20:00	0°♈	
	-2191 Aug 30 j 12:17	0°♉	
retrograde	-2191 Sep 24 j 13:45	3°♉51'14	
	-2191 Oct 18 j 00:21	30°℞♈	
asc. node	-2191 Oct 19 j 23:21	29°♈21'41	
min. Earth dist.	-2191 Oct 29 j 08:25	25°♈52'49	0.60840 AU
opposition	-2191 Nov 03 j 05:50	23°♈55'43	0°35'34
greatest brilliancy	-2191 Nov 03 j 02:56	23°♈58'37	-1.7m
direct	-2191 Dec 10 j 21:15	15°♈08'25	
	-2190 Feb 05 j 23:42	0°♉	
	-2190 Apr 06 j 01:15	0°♊	
	-2190 May 26 j 23:46	0°♋	
	-2190 Jul 13 j 04:41	0°♌	
	-2190 Aug 26 j 11:18	0°♍	
evening set	-2190 Aug 29 j 09:55	2°♍03'33	
max. Earth dist.	-2190 Sep 13 j 14:02	12°♍48'06	2.47288 AU
	-2190 Oct 07 j 06:38	0°♎	
conjunction	-2190 Oct 21 j 02:41	10°♎16'02	0°08'05
minimum elong	-2190 Oct 21 j 03:10	10°♎16'55	0°08'04
behind sun begin	-2190 Oct 20 j 06:28	9°♎38'15	
behind sun end	-2190 Oct 21 j 23:52	10°♎55'37	
desc. node	-2190 Nov 02 j 00:19	19°♎13'05	
	-2190 Nov 16 j 04:14	0°♏	
morning rise	-2190 Dec 19 j 04:04	25°♏32'10	
	-2190 Dec 24 j 21:14	0°♐	
	-2189 Feb 01 j 05:19	0°♑	
	-2189 Mar 12 j 01:26	0°♒	
	-2189 Apr 21 j 07:45	0°♓	
	-2189 Jun 03 j 01:27	0°♈	
	-2189 Jul 19 j 23:35	0°♉	
asc. node	-2189 Sep 06 j 22:17	26°♉02'50	
	-2189 Sep 16 j 06:33	0°♊	
retrograde	-2189 Oct 30 j 03:44	9°♊58'06	
min. Earth dist.	-2189 Dec 08 j 00:32	0°♊37'12	0.66775 AU
opposition	-2189 Dec 09 j 04:49	0°♊08'45	3°12'15
greatest brilliancy	-2189 Dec 09 j 00:13	0°♊13'23	-1.3m
	-2189 Dec 09 j 13:31	30°℞♉	
direct	-2188 Jan 18 j 06:45	20°♉30'34	
	-2188 Mar 02 j 11:20	0°♊	
	-2188 May 03 j 08:00	0°♋	
	-2188 Jun 22 j 03:11	0°♌	
	-2188 Aug 06 j 03:44	0°♍	
	-2188 Sep 17 j 00:07	0°♎	
desc. node	-2188 Sep 18 j 22:25	1°♎25'37	
evening set	-2188 Oct 20 j 20:59	25°♎32'35	
	-2188 Oct 26 j 15:55	0°♏	
	-2188 Dec 04 j 01:32	0°♐	
conjunction	-2188 Dec 23 j 00:16	14°♐56'22	-0°56'17
minimum elong	-2188 Dec 22 j 21:25	14°♐50'44	0°56'19
max. Earth dist.	-2187 Jan 07 j 03:58	26°♐52'27	2.37501 AU

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-2187 Jan 11 j 03:30	0°♉	
	-2187 Feb 18 j 19:28	0°♒	
morning rise	-2187 Mar 01 j 23:11	8°♒29'01	
	-2187 Mar 30 j 21:09	0°♓	
	-2187 May 12 j 01:10	0°♈	
	-2187 Jun 25 j 22:23	0°♉	
asc. node	-2187 Jul 24 j 21:59	18°♉12'45	
	-2187 Aug 13 j 15:56	0°♊	
	-2187 Oct 10 j 13:36	0°♋	
retrograde	-2187 Dec 03 j 02:53	13°♋29'29	
opposition	-2186 Jan 11 j 09:35	4°♋14'06	4°36'26
greatest brilliancy	-2186 Jan 11 j 18:11	4°♋05'36	-1.3m
min. Earth dist.	-2186 Jan 14 j 01:34	3°♋10'48	0.66362 AU
	-2186 Jan 22 j 10:13	30°℞♊	
direct	-2186 Feb 21 j 14:20	24°♊13'24	
	-2186 Mar 26 j 14:25	0°♋	
	-2186 May 29 j 06:33	0°♌	
	-2186 Jul 16 j 01:33	0°♍	
desc. node	-2186 Aug 06 j 21:50	15°♍01'55	
	-2186 Aug 27 j 18:05	0°♎	
	-2186 Oct 06 j 15:21	0°♏	
	-2186 Nov 14 j 02:05	0°♐	
greatest brilliancy	-2186 Dec 21 j 23:45	29°♐49'05	1.2m
	-2186 Dec 22 j 05:20	0°♑	
evening set	-2186 Dec 28 j 06:54	4°♑44'30	
	-2185 Jan 30 j 00:24	0°♒	
conjunction	-2185 Mar 02 j 21:45	23°♒52'45	-0°53'51
minimum elong	-2185 Mar 03 j 00:15	23°♒57'21	0°53'51
	-2185 Mar 11 j 06:23	0°♓	
max. Earth dist.	-2185 Apr 15 j 06:51	24°♓58'38	2.49537 AU
	-2185 Apr 22 j 12:16	0°♈	
morning rise	-2185 May 01 j 22:49	6°♈29'53	
	-2185 Jun 05 j 23:42	0°♉	
asc. node	-2185 Jun 11 j 20:39	3°♉50'54	
	-2185 Jul 22 j 19:12	0°♊	
	-2185 Sep 10 j 12:04	0°♋	
	-2185 Nov 05 j 16:26	0°♌	
retrograde	-2184 Jan 11 j 12:35	19°♌13'44	
opposition	-2184 Feb 17 j 21:30	10°♌56'33	4°38'14
greatest brilliancy	-2184 Feb 18 j 22:19	10°♌33'01	-1.6m
min. Earth dist.	-2184 Feb 24 j 06:55	8°♌31'16	0.59477 AU
direct	-2184 Mar 29 j 13:37	1°♌10'28	
	-2184 Jun 18 j 00:00	0°♍	
desc. node	-2184 Jun 23 j 21:07	3°♍28'33	
	-2184 Aug 03 j 13:09	0°♎	
	-2184 Sep 13 j 19:19	0°♏	
	-2184 Oct 22 j 22:52	0°♐	
	-2184 Nov 30 j 14:55	0°♑	
	-2183 Jan 08 j 22:37	0°♒	
	-2183 Feb 18 j 17:26	0°♓	
evening set	-2183 Feb 28 j 08:13	6°♓52'44	
	-2183 Apr 02 j 10:27	0°♈	
conjunction	-2183 Apr 24 j 18:13	15°♈08'49	-0°02'24
minimum elong	-2183 Apr 24 j 18:22	15°♈09'03	0°02'23
behind sun begin	-2183 Apr 23 j 20:34	14°♈32'30	
behind sun end	-2183 Apr 25 j 16:10	15°♈45'35	
asc. node	-2183 Apr 28 j 18:44	17°♈50'25	
	-2183 May 17 j 02:43	0°♉	
max. Earth dist.	-2183 May 17 j 14:56	0°♉20'06	2.60468 AU
morning rise	-2183 Jun 14 j 14:22	18°♉32'41	
	-2183 Jul 02 j 11:22	0°♊	
	-2183 Aug 19 j 03:43	0°♋	
	-2183 Oct 07 j 06:16	0°♌	
	-2183 Nov 28 j 11:41	0°♍	
	-2182 Feb 04 j 23:25	0°♎	
retrograde	-2182 Mar 03 j 04:09	3°♎46'50	
	-2182 Mar 28 j 01:42	30°℞♍	
opposition	-2182 Apr 06 j 03:00	27°♍08'20	2°01'20
greatest brilliancy	-2182 Apr 06 j 20:28	26°♍53'43	-2.3m
min. Earth dist.	-2182 Apr 14 j 15:26	24°♍18'18	0.47251 AU
desc. node	-2182 May 11 j 19:42	19°♍02'12	
direct	-2182 May 13 j 08:36	19°♍01'13	
	-2182 Jun 25 j 15:14	0°♎	
	-2182 Aug 16 j 08:54	0°♏	
	-2182 Sep 27 j 22:13	0°♐	
	-2182 Nov 07 j 13:35	0°♑	
	-2182 Dec 18 j 09:20	0°♒	
	-2181 Jan 29 j 10:03	0°♓	
	-2181 Mar 14 j 03:05	0°♈	
asc. node	-2181 Mar 16 j 17:46	1°♈45'21	
evening set	-2181 Apr 17 j 16:11	22°♈56'10	
	-2181 Apr 28 j 11:35	0°♉	
conjunction	-2181 Jun 05 j 23:07	24°♉50'07	0°43'00
minimum elong	-2181 Jun 05 j 21:49	24°♉48'02	0°43'02
max. Earth dist.	-2181 Jun 12 j 05:18	28°♉50'28	2.66343 AU
	-2181 Jun 14 j 00:47	0°♊	
morning rise	-2181 Jul 22 j 04:30	24°♊19'17	
	-2181 Jul 31 j 02:41	0°♋	
	-2181 Sep 16 j 04:18	0°♌	
	-2181 Nov 02 j 02:40	0°♍	
	-2181 Dec 19 j 08:08	0°♎	
	-2180 Feb 06 j 06:33	0°♏	
desc. node	-2180 Mar 28 j 19:31	27°♏25'06	
	-2180 Apr 03 j 20:22	0°♐	
retrograde	-2180 May 16 j 09:12	9°♐51'25	
opposition	-2180 Jun 15 j 16:27	4°♐50'44	-5°11'01
greatest brilliancy	-2180 Jun 15 j 17:56	4°♐49'45	-2.9m
min. Earth dist.	-2180 Jun 16 j 12:06	4°♐37'45	0.37684 AU
	-2180 Jul 09 j 21:05	30°℞♏	
direct	-2180 Jul 15 j 21:52	29°♏45'28	
	-2180 Jul 21 j 23:40	0°♐	
	-2180 Oct 04 j 00:17	0°♑	
	-2180 Nov 20 j 18:17	0°♒	
	-2179 Jan 05 j 12:39	0°♓	
asc. node	-2179 Jan 31 j 16:05	17°♓05'31	
	-2179 Feb 20 j 13:41	0°♈	
	-2179 Apr 08 j 09:02	0°♉	
	-2179 May 25 j 16:21	0°♊	
evening set	-2179 May 27 j 01:29	0°♊52'29	
max. Earth dist.	-2179 Jul 04 j 16:48	25°♊26'20	2.66792 AU
	-2179 Jul 11 j 19:58	0°♋	
conjunction	-2179 Jul 12 j 14:48	0°♋30'10	1°07'42
minimum elong	-2179 Jul 12 j 14:08	0°♋29'06	1°07'44
morning rise	-2179 Aug 26 j 12:36	29°♋34'44	
	-2179 Aug 27 j 04:01	0°♌	
	-2179 Oct 11 j 07:24	0°♍	
	-2179 Nov 24 j 04:39	0°♎	
	-2178 Jan 06 j 00:34	0°♏	
desc. node	-2178 Feb 13 j 19:49	27°♏34'50	
	-2178 Feb 17 j 05:23	0°♐	
	-2178 Mar 31 j 19:32	0°♑	
	-2178 May 16 j 19:42	0°♒	
retrograde	-2178 Jul 25 j 11:07	25°♒32'34	
min. Earth dist.	-2178 Aug 21 j 22:21	20°♒25'24	0.44492 AU
opposition	-2178 Aug 29 j 23:17	17°♒43'14	-5°14'24
greatest brilliancy	-2178 Aug 28 j 15:14	18°♒10'22	-2.5m
direct	-2178 Oct 01 j 02:12	11°♒21'04	
	-2178 Dec 02 j 19:36	0°♓	
asc. node	-2178 Dec 19 j 14:41	8°♓30'34	
	-2177 Jan 27 j 04:09	0°♈	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-2177 Mar 18 j 16:11	0°♉	
	-2177 May 06 j 17:15	0°♊	
	-2177 Jun 23 j 13:06	0°♋	
evening set	-2177 Jul 04 j 00:41	6°♋42'11	
max. Earth dist.	-2177 Jul 29 j 13:01	23°♋14'56	2.61890 AU
	-2177 Aug 08 j 19:02	0°♌	
conjunction	-2177 Aug 19 j 14:24	7°♌11'03	1°05'55
minimum elong	-2177 Aug 19 j 15:16	7°♌12'30	1°05'57
	-2177 Sep 22 j 04:30	0°♍	
morning rise	-2177 Oct 05 j 12:12	9°♍15'38	
	-2177 Nov 03 j 17:33	0°♎	
	-2177 Dec 14 j 16:58	0°♏	
desc. node	-2176 Jan 01 j 18:25	13°♏30'41	
	-2176 Jan 23 j 14:07	0°♐	
	-2176 Mar 03 j 01:50	0°♑	
	-2176 Apr 12 j 04:35	0°♒	
	-2176 May 24 j 15:31	0°♓	
	-2176 Jul 13 j 02:18	0°♈	
retrograde	-2176 Sep 09 j 10:39	17°♈59'02	
min. Earth dist.	-2176 Oct 12 j 07:04	10°♈42'16	0.56920 AU
opposition	-2176 Oct 18 j 12:57	8°♈15'30	-0°47'50
greatest brilliancy	-2176 Oct 18 j 08:51	8°♈19'30	-1.8m
asc. node	-2176 Nov 05 j 14:24	2°♈13'19	
	-2176 Nov 21 j 19:24	30°℞♓	
direct	-2176 Nov 23 j 20:38	29°♓58'22	
	-2176 Nov 25 j 22:19	0°♈	
	-2175 Feb 19 j 23:32	0°♉	
	-2175 Apr 14 j 22:09	0°♊	
	-2175 Jun 03 j 12:54	0°♋	
	-2175 Jul 20 j 07:34	0°♌	
evening set	-2175 Aug 12 j 01:31	15°♌13'27	
max. Earth dist.	-2175 Aug 28 j 08:51	26°♌24'24	2.52109 AU
	-2175 Sep 02 j 12:53	0°♍	
conjunction	-2175 Oct 01 j 01:46	20°♍15'20	0°31'09
minimum elong	-2175 Oct 01 j 03:10	20°♍17'53	0°31'09
	-2175 Oct 14 j 11:09	0°♎	
desc. node	-2175 Nov 18 j 17:20	26°♎18'51	
	-2175 Nov 23 j 13:44	0°♏	
morning rise	-2175 Nov 24 j 06:19	0°♏31'35	
	-2174 Jan 01 j 12:02	0°♐	
	-2174 Feb 09 j 00:47	0°♑	
	-2174 Mar 20 j 01:08	0°♒	
	-2174 Apr 29 j 13:11	0°♓	
	-2174 Jun 11 j 21:04	0°♈	
	-2174 Jul 30 j 22:11	0°♉	
asc. node	-2174 Sep 23 j 13:55	23°♉32'31	
retrograde	-2174 Oct 16 j 16:17	26°♉42'46	
min. Earth dist.	-2174 Nov 23 j 01:33	17°♉51'07	0.65192 AU
opposition	-2174 Nov 25 j 17:35	16°♉46'41	2°20'45
greatest brilliancy	-2174 Nov 25 j 11:06	16°♉53'13	-1.4m
direct	-2173 Jan 04 j 00:27	7°♉24'47	
	-2173 Mar 19 j 06:22	0°♊	
	-2173 May 13 j 11:07	0°♋	
	-2173 Jun 30 j 22:15	0°♌	
	-2173 Aug 14 j 13:44	0°♍	
	-2173 Sep 25 j 08:44	0°♎	
evening set	-2173 Sep 29 j 02:26	2°♎45'56	
desc. node	-2173 Oct 06 j 16:28	8°♎25'05	
max. Earth dist.	-2173 Oct 23 j 12:52	21°♎09'02	2.39755 AU
	-2173 Nov 04 j 02:05	0°♏	
conjunction	-2173 Nov 26 j 20:57	17°♏41'23	-0°33'58
minimum elong	-2173 Nov 26 j 18:32	17°♏36'40	0°33'58
	-2173 Dec 12 j 13:41	0°♐	
	-2172 Jan 19 j 16:54	0°♑	
morning rise	-2172 Feb 01 j 23:09	10°♑22'01	
	-2172 Feb 27 j 09:09	0°♒	
	-2172 Apr 07 j 10:43	0°♓	
	-2172 May 19 j 16:43	0°♈	
	-2172 Jul 04 j 00:29	0°♉	
asc. node	-2172 Aug 10 j 12:09	22°♉42'39	
	-2172 Aug 23 j 12:19	0°♊	
	-2172 Nov 08 j 18:41	0°♋	
retrograde	-2172 Nov 19 j 07:56	0°♋40'16	
	-2172 Nov 29 j 10:38	30°℞♊	
opposition	-2172 Dec 29 j 00:54	21°♊09'00	4°12'11
greatest brilliancy	-2172 Dec 29 j 03:16	21°♊06'38	-1.3m
min. Earth dist.	-2172 Dec 30 j 04:23	20°♊41'33	0.67307 AU
direct	-2171 Feb 07 j 23:15	11°♊13'50	
	-2171 Apr 14 j 11:09	0°♋	
	-2171 Jun 08 j 01:24	0°♌	
	-2171 Jul 24 j 08:56	0°♍	
desc. node	-2171 Aug 23 j 14:49	21°♍15'12	
	-2171 Sep 04 j 14:53	0°♎	
	-2171 Oct 14 j 08:52	0°♏	
	-2171 Nov 21 j 18:14	0°♐	
evening set	-2171 Nov 30 j 12:43	6°♐55'02	
	-2171 Dec 29 j 19:54	0°♑	
conjunction	-2170 Feb 04 j 23:17	28°♑48'46	-1°05'16
minimum elong	-2170 Feb 05 j 00:28	28°♑51'02	1°05'18
	-2170 Feb 06 j 12:35	0°♒	
	-2170 Mar 18 j 15:23	0°♓	
max. Earth dist.	-2170 Mar 26 j 12:00	5°♓42'58	2.44244 AU
morning rise	-2170 Apr 10 j 16:47	16°♓36'51	
	-2170 Apr 29 j 18:36	0°♈	
	-2170 Jun 13 j 06:49	0°♉	
asc. node	-2170 Jun 28 j 11:50	9°♉51'56	
	-2170 Jul 30 j 12:57	0°♊	
	-2170 Sep 19 j 22:36	0°♋	
	-2170 Nov 25 j 17:43	0°♌	
retrograde	-2170 Dec 26 j 07:38	4°♌56'56	
	-2169 Jan 23 j 07:31	30°℞♋	
opposition	-2169 Feb 02 j 14:19	26°♋13'27	4°49'50
greatest brilliancy	-2169 Feb 03 j 09:23	25°♋54'58	-1.5m
min. Earth dist.	-2169 Feb 07 j 13:45	24°♋17'48	0.62913 AU
direct	-2169 Mar 15 j 17:20	16°♋15'35	
	-2169 May 07 j 10:07	0°♌	
	-2169 Jun 30 j 15:29	0°♍	
desc. node	-2169 Jul 11 j 13:09	7°♍02'05	
	-2169 Aug 13 j 22:45	0°♎	
	-2169 Sep 23 j 10:54	0°♏	
	-2169 Nov 01 j 05:19	0°♐	
	-2169 Dec 09 j 14:26	0°♑	
	-2168 Jan 17 j 15:33	0°♒	
evening set	-2168 Feb 06 j 16:30	15°♒00'20	
	-2168 Feb 27 j 03:44	0°♓	
conjunction	-2168 Apr 05 j 15:02	27°♓14'39	-0°23'22
minimum elong	-2168 Apr 05 j 16:19	27°♓16'52	0°23'22
	-2168 Apr 09 j 14:45	0°♈	
max. Earth dist.	-2168 May 06 j 06:36	18°♈07'35	2.56718 AU
asc. node	-2168 May 15 j 11:24	24°♈16'00	
	-2168 May 24 j 03:16	0°♉	
morning rise	-2168 May 29 j 11:05	3°♉30'08	
	-2168 Jul 09 j 13:20	0°♊	
	-2168 Aug 26 j 17:58	0°♋	
	-2168 Oct 16 j 11:09	0°♌	
	-2168 Dec 13 j 16:22	0°♍	
retrograde	-2167 Feb 08 j 19:52	14°♍54'50	
opposition	-2167 Mar 16 j 08:11	7°♍31'18	3°31'08
greatest brilliancy	-2167 Mar 17 j 10:41	7°♍07'34	-2.0m

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

min. Earth dist.	-2167 Mar 24 j 12:11	4°♍36'47	0.52444 AU
	-2167 Apr 09 j 16:03	30°℞♌	
direct	-2167 Apr 24 j 10:08	28°♌30'07	
	-2167 May 09 j 16:23	0°♍	
desc. node	-2167 May 28 j 12:29	5°♍24'00	
	-2167 Jul 15 j 10:05	0°♎	
	-2167 Aug 28 j 19:22	0°♏	
	-2167 Oct 08 j 07:13	0°♐	
	-2167 Nov 16 j 19:54	0°♑	
	-2167 Dec 26 j 20:33	0°♒	
	-2166 Feb 06 j 06:07	0°♓	
	-2166 Mar 21 j 11:21	0°♈	
evening set	-2166 Mar 31 j 04:38	6°♈34'28	
asc. node	-2166 Apr 02 j 09:13	8°♈02'55	
	-2166 May 05 j 11:43	0°♉	
conjunction	-2166 May 21 j 09:52	10°♉22'32	0°27'28
minimum elong	-2166 May 21 j 08:49	10°♉20'50	0°27'30
max. Earth dist.	-2166 Jun 02 j 15:01	18°♉16'24	2.64689 AU
	-2166 Jun 20 j 21:28	0°♊	
morning rise	-2166 Jul 08 j 00:00	10°♊54'45	
	-2166 Aug 07 j 02:26	0°♋	
	-2166 Sep 23 j 17:31	0°♌	
	-2166 Nov 10 j 23:38	0°♍	
	-2166 Dec 31 j 05:33	0°♎	
	-2165 Feb 28 j 03:54	0°♏	
retrograde	-2165 Apr 15 j 08:13	10°♏51'07	
desc. node	-2165 Apr 15 j 11:41	10°♏51'07	
opposition	-2165 May 16 j 11:59	5°♏28'54	-2°05'47
greatest brilliancy	-2165 May 16 j 21:34	5°♏22'01	-2.8m
min. Earth dist.	-2165 May 22 j 03:02	3°♏52'08	0.39985 AU
	-2165 Jun 08 j 19:55	30°℞♎	
direct	-2165 Jun 18 j 10:07	29°♎22'16	
	-2165 Jun 27 j 23:09	0°♏	
	-2165 Sep 05 j 03:07	0°♐	
	-2165 Oct 20 j 16:08	0°♑	
	-2165 Dec 03 j 00:56	0°♒	
	-2164 Jan 15 j 17:17	0°♓	
asc. node	-2164 Feb 18 j 07:30	22°♓33'31	
	-2164 Feb 29 j 13:26	0°♈	
	-2164 Apr 15 j 15:39	0°♉	
evening set	-2164 May 11 j 21:44	16°♉49'17	
	-2164 Jun 01 j 13:59	0°♊	
max. Earth dist.	-2164 Jun 25 j 17:19	15°♊22'09	2.67272 AU
conjunction	-2164 Jun 28 j 04:17	16°♊56'05	1°00'57
minimum elong	-2164 Jun 28 j 03:13	16°♊54'22	1°01'00
	-2164 Jul 18 j 15:25	0°♋	
morning rise	-2164 Aug 12 j 05:48	15°♋47'45	
	-2164 Sep 03 j 04:19	0°♌	
	-2164 Oct 18 j 20:21	0°♍	
	-2164 Dec 02 j 15:32	0°♎	
	-2163 Jan 15 j 21:09	0°♏	
	-2163 Mar 01 j 06:01	0°♐	
desc. node	-2163 Mar 02 j 11:48	0°♐49'41	
	-2163 Apr 17 j 02:29	0°♑	
retrograde	-2163 Jul 01 j 14:07	28°♑31'28	
min. Earth dist.	-2163 Jul 28 j 05:33	24°♑01'40	0.40138 AU
greatest brilliancy	-2163 Aug 02 j 08:06	22°♑30'11	-2.7m
opposition	-2163 Aug 03 j 16:20	22°♑06'01	-6°34'35
direct	-2163 Sep 03 j 00:12	16°♑38'05	
	-2163 Oct 23 j 13:47	0°♒	
	-2163 Dec 18 j 13:29	0°♓	
asc. node	-2162 Jan 05 j 06:32	10°♓32'50	
	-2162 Feb 06 j 04:51	0°♈	
	-2162 Mar 26 j 18:16	0°♉	
	-2162 May 13 j 22:49	0°♊	
evening set	-2162 Jun 19 j 06:27	22°♊53'11	
	-2162 Jun 30 j 10:28	0°♋	
max. Earth dist.	-2162 Jul 19 j 11:21	12°♋14'12	2.64451 AU
conjunction	-2162 Aug 04 j 11:25	22°♋38'34	1°10'08
minimum elong	-2162 Aug 04 j 11:40	22°♋38'58	1°10'11
	-2162 Aug 15 j 16:09	0°♌	
morning rise	-2162 Sep 19 j 02:45	23°♌03'09	
	-2162 Sep 29 j 07:13	0°♍	
	-2162 Nov 11 j 06:25	0°♎	
	-2162 Dec 22 j 19:10	0°♏	
desc. node	-2161 Jan 18 j 12:24	19°♏43'36	
	-2161 Feb 01 j 07:30	0°♐	
	-2161 Mar 13 j 12:21	0°♑	
	-2161 Apr 23 j 15:42	0°♒	
	-2161 Jun 07 j 12:24	0°♓	
	-2161 Aug 20 j 15:02	0°♈	
retrograde	-2161 Aug 24 j 21:56	0°♈07'57	
	-2161 Aug 29 j 03:33	30°℞♓	
min. Earth dist.	-2161 Sep 24 j 16:13	23°♓38'38	0.52308 AU
greatest brilliancy	-2161 Oct 01 j 10:57	21°♓04'44	-2.1m
opposition	-2161 Oct 02 j 01:27	20°♓51'00	-2°25'11
direct	-2161 Nov 05 j 20:30	13°♓11'40	
asc. node	-2161 Nov 23 j 05:09	14°♓59'58	
	-2160 Jan 05 j 04:10	0°♈	
	-2160 Mar 02 j 17:52	0°♉	
	-2160 Apr 23 j 01:30	0°♊	
	-2160 Jun 10 j 19:01	0°♋	
evening set	-2160 Jul 26 j 22:19	29°♋45'20	
	-2160 Jul 27 j 07:12	0°♌	
max. Earth dist.	-2160 Aug 15 j 05:38	12°♌38'58	2.56487 AU
	-2160 Sep 09 j 13:22	0°♍	
conjunction	-2160 Sep 13 j 01:28	2°♍26'28	0°48'57
minimum elong	-2160 Sep 13 j 02:59	2°♍29'08	0°48'58
	-2160 Oct 21 j 16:36	0°♎	
morning rise	-2160 Nov 02 j 12:40	8°♎40'20	
	-2160 Dec 01 j 02:11	0°♏	
desc. node	-2160 Dec 05 j 10:52	3°♏18'02	
	-2159 Jan 09 j 07:51	0°♐	
	-2159 Feb 17 j 03:13	0°♑	
	-2159 Mar 28 j 10:03	0°♒	
	-2159 May 08 j 07:57	0°♓	
	-2159 Jun 21 j 17:40	0°♈	
	-2159 Aug 14 j 17:17	0°♉	
retrograde	-2159 Oct 02 j 19:28	12°♉46'01	
asc. node	-2159 Oct 10 j 04:35	12°♉23'10	
min. Earth dist.	-2159 Nov 07 j 13:37	4°♉27'37	0.62635 AU
opposition	-2159 Nov 11 j 16:49	2°♉48'14	1°17'57
greatest brilliancy	-2159 Nov 11 j 11:26	2°♉53'38	-1.6m
	-2159 Nov 18 j 21:50	30°℞♈	
direct	-2159 Dec 19 j 23:48	23°♈47'09	
	-2158 Jan 23 j 14:29	0°♉	
	-2158 Mar 30 j 14:45	0°♊	
	-2158 May 21 j 18:03	0°♋	
	-2158 Jul 08 j 08:52	0°♌	
	-2158 Aug 21 j 18:52	0°♍	
evening set	-2158 Sep 08 j 23:26	12°♍50'54	
max. Earth dist.	-2158 Sep 24 j 22:31	24°♍22'55	2.44510 AU
	-2158 Oct 02 j 14:19	0°♎	
desc. node	-2158 Oct 23 j 08:50	15°♎29'16	
conjunction	-2158 Nov 02 j 13:43	23°♎13'15	-0°07'00
minimum elong	-2158 Nov 02 j 13:15	23°♎12'21	0°07'01
behind sun begin	-2158 Nov 01 j 14:45	22°♎29'35	
behind sun end	-2158 Nov 03 j 11:44	23°♎55'10	
	-2158 Nov 11 j 10:37	0°♏	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-2158 Dec 20 j 01:44	0°♐	
morning rise	-2157 Jan 03 j 16:16	11°♐27'25	
	-2157 Jan 27 j 07:48	0°♑	
	-2157 Mar 07 j 01:58	0°♒	
	-2157 Apr 16 j 05:28	0°♓	
	-2157 May 28 j 16:35	0°♈	
	-2157 Jul 13 j 19:10	0°♉	
asc. node	-2157 Aug 28 j 04:42	25°♉46'48	
	-2157 Sep 05 j 17:43	0°♊	
retrograde	-2157 Nov 06 j 20:35	17°♊51'57	
opposition	-2157 Dec 16 j 19:53	8°♊08'04	3°37'22
min. Earth dist.	-2157 Dec 16 j 11:02	8°♊16'56	0.67235 AU
greatest brilliancy	-2157 Dec 16 j 17:14	8°♊10'43	-1.3m
	-2156 Jan 10 j 10:47	30°℞♉	
direct	-2156 Jan 26 j 06:34	28°♉22'49	
	-2156 Feb 12 j 04:17	0°♊	
	-2156 Apr 26 j 15:48	0°♋	
	-2156 Jun 16 j 18:29	0°♌	
	-2156 Aug 01 j 05:14	0°♍	
desc. node	-2156 Sep 09 j 07:48	27°♍52'33	
	-2156 Sep 12 j 05:03	0°♎	
	-2156 Oct 21 j 21:43	0°♏	
evening set	-2156 Nov 03 j 21:07	10°♏03'53	
	-2156 Nov 29 j 07:03	0°♐	
	-2155 Jan 06 j 08:21	0°♑	
conjunction	-2155 Jan 07 j 23:09	1°♑16'09	-1°03'47
minimum elong	-2155 Jan 07 j 21:25	1°♑12'44	1°03'49
	-2155 Feb 13 j 23:50	0°♒	
max. Earth dist.	-2155 Feb 21 j 09:57	5°♒39'21	2.39236 AU
morning rise	-2155 Mar 17 j 06:17	23°♒32'19	
	-2155 Mar 26 j 00:59	0°♓	
	-2155 May 07 j 03:22	0°♈	
	-2155 Jun 20 j 19:24	0°♉	
asc. node	-2155 Jul 15 j 03:52	15°♉32'05	
	-2155 Aug 07 j 19:28	0°♊	
	-2155 Oct 01 j 06:44	0°♋	
retrograde	-2155 Dec 11 j 08:04	21°♋27'59	
opposition	-2154 Jan 19 j 07:24	12°♋22'53	4°45'05
greatest brilliancy	-2154 Jan 19 j 19:41	12°♋10'48	-1.4m
min. Earth dist.	-2154 Jan 22 j 19:01	11°♋00'42	0.65406 AU
direct	-2154 Mar 01 j 13:24	2°♋21'37	
	-2154 May 22 j 00:02	0°♌	
	-2154 Jul 10 j 08:46	0°♍	
desc. node	-2154 Jul 28 j 06:29	12°♍05'31	
	-2154 Aug 22 j 13:01	0°♎	
	-2154 Oct 01 j 15:11	0°♏	
	-2154 Nov 09 j 04:22	0°♐	
	-2154 Dec 17 j 09:02	0°♑	
evening set	-2153 Jan 12 j 10:56	20°♑14'16	
	-2153 Jan 25 j 05:20	0°♒	
	-2153 Mar 06 j 12:23	0°♓	
conjunction	-2153 Mar 16 j 05:15	7°♓01'20	-0°43'46
minimum elong	-2153 Mar 16 j 07:35	7°♓05'32	0°43'44
	-2153 Apr 17 j 18:45	0°♈	
max. Earth dist.	-2153 Apr 24 j 04:58	4°♈25'47	2.52257 AU
morning rise	-2153 May 12 j 20:21	17°♈06'10	
	-2153 Jun 01 j 05:17	0°♉	
asc. node	-2153 Jun 02 j 02:44	0°♉35'19	
	-2153 Jul 17 j 19:34	0°♊	
	-2153 Sep 04 j 19:23	0°♋	
	-2153 Oct 28 j 05:46	0°♌	
retrograde	-2152 Jan 21 j 12:58	28°♌23'26	
opposition	-2152 Feb 27 j 07:42	20°♌23'25	4°21'38
greatest brilliancy	-2152 Feb 28 j 10:27	19°♌58'26	-1.7m
min. Earth dist.	-2152 Mar 05 j 10:29	17°♌44'33	0.57161 AU
direct	-2152 Apr 07 j 13:41	10°♌49'13	
	-2152 Jun 08 j 16:34	0°♍	
desc. node	-2152 Jun 14 j 04:38	2°♍56'19	
	-2152 Jul 27 j 23:00	0°♎	
	-2152 Sep 07 j 23:53	0°♏	
	-2152 Oct 17 j 12:24	0°♐	
	-2152 Nov 25 j 10:10	0°♑	
	-2151 Jan 03 j 22:31	0°♒	
	-2151 Feb 13 j 21:17	0°♓	
evening set	-2151 Mar 12 j 01:52	18°♓30'28	
	-2151 Mar 28 j 17:16	0°♈	
asc. node	-2151 Apr 19 j 01:43	14°♈27'57	
conjunction	-2151 May 04 j 19:30	24°♈56'55	0°09'11
minimum elong	-2151 May 04 j 19:04	24°♈56'14	0°09'12
behind sun begin	-2151 May 04 j 01:28	24°♈27'07	
behind sun end	-2151 May 05 j 12:41	25°♈25'19	
	-2151 May 12 j 11:16	0°♉	
max. Earth dist.	-2151 May 23 j 17:39	7°♉22'43	2.62193 AU
morning rise	-2151 Jun 23 j 07:31	27°♉07'52	
	-2151 Jun 27 j 19:12	0°♊	
	-2151 Aug 14 j 06:07	0°♋	
	-2151 Oct 01 j 17:08	0°♌	
	-2151 Nov 21 j 01:39	0°♍	
	-2150 Jan 17 j 00:10	0°♎	
retrograde	-2150 Mar 17 j 13:52	16°♎16'02	
opposition	-2150 Apr 19 j 10:54	10°♎05'46	0°47'00
greatest brilliancy	-2150 Apr 19 j 17:56	10°♎00'10	-2.5m
min. Earth dist.	-2150 Apr 27 j 14:01	7°♎31'06	0.44377 AU
desc. node	-2150 May 02 j 05:02	6°♎08'56	
direct	-2150 May 25 j 08:38	2°♎38'07	
	-2150 Aug 06 j 12:39	0°♏	
	-2150 Sep 20 j 13:48	0°♐	
	-2150 Nov 01 j 06:12	0°♑	
	-2150 Dec 12 j 17:07	0°♒	
	-2149 Jan 24 j 04:35	0°♓	
asc. node	-2149 Mar 06 j 23:10	28°♓29'37	
	-2149 Mar 09 j 05:10	0°♈	
	-2149 Apr 23 j 18:46	0°♉	
evening set	-2149 Apr 27 j 03:05	2°♉10'15	
	-2149 Jun 09 j 10:24	0°♊	
conjunction	-2149 Jun 14 j 13:18	3°♊16'09	0°50'34
minimum elong	-2149 Jun 14 j 12:00	3°♊14'05	0°50'37
max. Earth dist.	-2149 Jun 17 j 14:41	5°♊13'14	2.66916 AU
	-2149 Jul 26 j 11:29	0°♋	
morning rise	-2149 Jul 30 j 05:20	2°♋23'19	
	-2149 Sep 11 j 07:52	0°♌	
	-2149 Oct 27 j 17:39	0°♍	
	-2149 Dec 12 j 21:40	0°♎	
	-2148 Jan 28 j 13:18	0°♏	
	-2148 Mar 17 j 23:26	0°♐	
desc. node	-2148 Mar 19 j 05:26	0°♐42'19	
retrograde	-2148 Jun 03 j 02:55	27°♐47'19	
min. Earth dist.	-2148 Jul 01 j 17:23	23°♐07'36	0.37709 AU
opposition	-2148 Jul 03 j 21:22	22°♐32'36	-6°20'04
greatest brilliancy	-2148 Jul 03 j 09:23	22°♐40'41	-2.9m
direct	-2148 Aug 02 j 16:02	17°♐35'07	
	-2148 Sep 19 j 00:22	0°♑	
	-2148 Nov 12 j 09:42	0°♒	
	-2148 Dec 30 j 03:30	0°♓	
asc. node	-2147 Jan 21 j 21:09	14°♓31'49	
	-2147 Feb 15 j 02:43	0°♈	
	-2147 Apr 03 j 10:12	0°♉	
	-2147 May 20 j 23:59	0°♊	
evening set	-2147 Jun 04 j 14:20	9°♊13'37	
	-2147 Jul 07 j 06:04	0°♋	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

max. Earth dist.	-2147 Jul 10 j 01:48	1°♋48'26	2.66187 AU
	-2147 Jul 20 j 21:42	8°♋45'55	1°09'49
conjunction	-2147 Jul 20 j 21:21	8°♋45'21	1°09'52
minimum elong	-2147 Aug 22 j 13:12	0°♌	
	-2147 Sep 03 j 21:56	8°♌09'31	
morning rise	-2147 Oct 06 j 11:50	0°♍	
	-2147 Nov 19 j 00:28	0°♎	
	-2147 Dec 31 j 07:36	0°♏	
	-2146 Feb 04 j 04:29	25°♏12'13	
desc. node	-2146 Feb 10 j 18:53	0°♐	
	-2146 Mar 24 j 05:32	0°♑	
	-2146 May 06 j 13:29	0°♒	
	-2146 Jun 28 j 12:49	0°♓	
	-2146 Aug 06 j 06:11	9°♓18'37	
retrograde	-2146 Sep 03 j 20:16	3°♓41'58	0.47248 AU
min. Earth dist.	-2146 Sep 11 j 21:08	0°♓50'53	-4°13'42
opposition	-2146 Sep 10 j 18:37	1°♓14'32	-2.3m
greatest brilliancy	-2146 Sep 14 j 06:53	30°℞♒	
	-2146 Oct 14 j 23:40	23°♒58'53	
direct	-2146 Nov 16 j 17:30	0°♓	
	-2146 Dec 09 j 21:01	9°♓11'08	
asc. node	-2145 Jan 19 j 19:59	0°♈	
	-2145 Mar 13 j 00:58	0°♉	
	-2145 May 01 j 18:00	0°♊	
	-2145 Jun 18 j 20:48	0°♋	
	-2145 Jul 12 j 14:30	15°♋12'37	
evening set	-2145 Aug 04 j 05:07	0°♌	
	-2145 Aug 04 j 16:38	0°♌19'02	2.60173 AU
max. Earth dist.	-2145 Aug 28 j 13:31	16°♌17'56	1°01'13
conjunction	-2145 Aug 28 j 14:43	16°♌19'56	1°01'14
minimum elong	-2145 Sep 17 j 13:38	0°♍	
	-2145 Oct 15 j 11:23	19°♍35'51	
morning rise	-2145 Oct 29 j 23:17	0°♎	
	-2145 Dec 09 j 17:26	0°♏	
	-2145 Dec 23 j 03:34	10°♏05'19	
desc. node	-2144 Jan 18 j 08:28	0°♐	
	-2144 Feb 26 j 13:06	0°♑	
	-2144 Apr 06 j 06:30	0°♒	
	-2144 May 17 j 22:49	0°♓	
	-2144 Jul 03 j 14:42	0°♈	
	-2144 Sep 18 j 05:34	27°♈41'41	
retrograde	-2144 Oct 22 j 04:20	20°♈01'31	0.59186 AU
min. Earth dist.	-2144 Oct 26 j 20:46	18°♈10'12	
asc. node	-2144 Oct 27 j 17:08	17°♈50'02	0°02'11
opposition	-2144 Oct 27 j 17:00	17°♈50'09	-1.7m
greatest brilliancy	-2144 Dec 03 j 19:14	9°♈15'27	
direct	-2143 Feb 11 j 15:18	0°♉	
	-2143 Apr 09 j 03:49	0°♊	
	-2143 May 29 j 12:37	0°♋	
	-2143 Jul 15 j 14:12	0°♌	
	-2143 Aug 21 j 18:49	25°♌03'49	
evening set	-2143 Aug 28 j 21:36	0°♍	
	-2143 Sep 06 j 02:59	5°♍45'48	2.49504 AU
max. Earth dist.	-2143 Oct 09 j 19:23	0°♎	
	-2143 Oct 12 j 03:37	1°♎43'20	0°18'31
conjunction	-2143 Oct 12 j 04:36	1°♎45'10	0°18'31
minimum elong	-2143 Nov 09 j 02:06	22°♎35'25	
desc. node	-2143 Nov 18 j 19:58	0°♏	
	-2143 Dec 07 j 21:14	14°♏38'35	
morning rise	-2143 Dec 27 j 15:43	0°♐	
	-2142 Feb 04 j 01:35	0°♑	
	-2142 Mar 14 j 22:42	0°♒	
	-2142 Apr 24 j 06:02	0°♓	
	-2142 Jun 06 j 02:54	0°♈	
	-2142 Jul 23 j 15:35	0°♉	
asc. node	-2142 Sep 13 j 19:36	26°♉02'40	
	-2142 Sep 25 j 05:48	0°♊	
retrograde	-2142 Oct 24 j 10:41	4°♊50'49	
	-2142 Nov 20 j 09:40	30°℞♉	
min. Earth dist.	-2142 Dec 01 j 16:21	25°♉42'44	0.66188 AU
opposition	-2142 Dec 03 j 12:58	24°♉57'51	2°52'09
greatest brilliancy	-2142 Dec 03 j 07:09	25°♉03'42	-1.4m
direct	-2141 Jan 12 j 07:31	15°♉26'29	
	-2141 Mar 10 j 01:20	0°♊	
	-2141 May 07 j 13:37	0°♋	
	-2141 Jun 25 j 19:45	0°♌	
	-2141 Aug 09 j 17:45	0°♍	
	-2141 Sep 20 j 14:45	0°♎	
desc. node	-2141 Sep 27 j 00:08	4°♎44'10	
evening set	-2141 Oct 11 j 16:07	15°♎44'26	
	-2141 Oct 30 j 08:07	0°♏	
max. Earth dist.	-2141 Nov 22 j 09:53	17°♏55'36	2.37845 AU
	-2141 Dec 07 j 19:06	0°♐	
conjunction	-2141 Dec 11 j 22:01	3°♐14'41	-0°47'45
minimum elong	-2141 Dec 11 j 19:01	3°♐08'46	0°47'45
	-2140 Jan 14 j 21:28	0°♑	
morning rise	-2140 Feb 18 j 12:49	26°♑55'54	
	-2140 Feb 22 j 12:53	0°♒	
	-2140 Apr 02 j 13:22	0°♓	
	-2140 May 14 j 16:23	0°♈	
	-2140 Jun 28 j 15:39	0°♉	
asc. node	-2140 Jul 31 j 19:10	20°♉35'04	
	-2140 Aug 16 j 21:32	0°♊	
	-2140 Oct 17 j 08:54	0°♋	
retrograde	-2140 Nov 27 j 04:26	8°♋28'11	
	-2139 Jan 03 j 09:03	30°℞♊	
opposition	-2139 Jan 05 j 16:27	29°♊05'08	4°27'30
greatest brilliancy	-2139 Jan 05 j 22:08	28°♊59'30	-1.3m
min. Earth dist.	-2139 Jan 07 j 15:51	28°♊18'04	0.66911 AU
direct	-2139 Feb 15 j 19:19	19°♊06'25	
	-2139 Apr 04 j 02:41	0°♋	
	-2139 Jun 01 j 21:38	0°♌	
	-2139 Jul 19 j 01:44	0°♍	
desc. node	-2139 Aug 13 j 23:22	17°♍58'54	
	-2139 Aug 30 j 14:40	0°♎	
	-2139 Oct 09 j 11:10	0°♏	
	-2139 Nov 16 j 21:33	0°♐	
evening set	-2139 Dec 16 j 05:59	23°♐08'03	
	-2139 Dec 24 j 23:44	0°♑	
	-2138 Feb 01 j 16:56	0°♒	
conjunction	-2138 Feb 20 j 00:15	13°♒50'26	-0°59'57
minimum elong	-2138 Feb 20 j 02:28	13°♒54'37	0°59'58
	-2138 Mar 13 j 20:29	0°♓	
max. Earth dist.	-2138 Apr 07 j 18:54	17°♓56'26	2.47218 AU
morning rise	-2138 Apr 23 j 03:15	28°♓42'48	
	-2138 Apr 24 j 23:43	0°♈	
	-2138 Jun 08 j 09:58	0°♉	
asc. node	-2138 Jun 18 j 18:24	6°♉45'58	
	-2138 Jul 25 j 07:55	0°♊	
	-2138 Sep 13 j 13:49	0°♋	
	-2138 Nov 11 j 11:48	0°♌	
retrograde	-2137 Jan 04 j 09:07	13°♌26'38	
opposition	-2137 Feb 11 j 04:44	4°♌56'52	4°45'00
greatest brilliancy	-2137 Feb 12 j 03:06	4°♌35'25	-1.6m
min. Earth dist.	-2137 Feb 16 j 23:16	2°♌44'18	0.61137 AU
	-2137 Feb 24 j 13:53	30°℞♋	
direct	-2137 Mar 24 j 03:06	25°♋04'22	
	-2137 Apr 22 j 14:25	0°♌	
	-2137 Jun 23 j 15:59	0°♍	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

desc. node	-2137 Jul 01 j 22:43	5°♍06'23	
	-2137 Aug 08 j 04:01	0°♎	
	-2137 Sep 18 j 02:14	0°♏	
	-2137 Oct 27 j 01:40	0°♐	
	-2137 Dec 04 j 13:56	0°♑	
	-2136 Jan 12 j 17:35	0°♒	
evening set	-2136 Feb 19 j 21:08	28°♒13'14	
	-2136 Feb 22 j 08:10	0°♓	
	-2136 Apr 04 j 21:01	0°♈	
conjunction	-2136 Apr 16 j 19:18	8°♈09'40	-0°11'09
minimum elong	-2136 Apr 16 j 19:53	8°♈10'40	0°11'09
behind sun begin	-2136 Apr 16 j 03:37	7°♈43'02	
behind sun end	-2136 Apr 17 j 12:09	8°♈38'17	
asc. node	-2136 May 05 j 16:13	20°♈52'31	
max. Earth dist.	-2136 May 13 j 03:22	25°♈50'22	2.58896 AU
	-2136 May 19 j 10:24	0°♉	
morning rise	-2136 Jun 07 j 20:52	12°♉42'44	
	-2136 Jul 04 j 18:27	0°♊	
	-2136 Aug 21 j 14:51	0°♋	
	-2136 Oct 10 j 07:13	0°♌	
	-2136 Dec 03 j 09:27	0°♍	
retrograde	-2135 Feb 21 j 00:26	25°♍42'59	
opposition	-2135 Mar 27 j 17:27	18°♍43'19	2°45'04
greatest brilliancy	-2135 Mar 28 j 16:06	18°♍23'44	-2.2m
min. Earth dist.	-2135 Apr 05 j 05:35	15°♍47'45	0.49607 AU
direct	-2135 May 04 j 21:48	10°♍09'06	
desc. node	-2135 May 18 j 21:14	11°♍26'16	
	-2135 Jul 05 j 04:22	0°♎	
	-2135 Aug 21 j 14:37	0°♏	
	-2135 Oct 02 j 02:17	0°♐	
	-2135 Nov 11 j 03:51	0°♑	
	-2135 Dec 21 j 13:13	0°♒	
	-2134 Feb 01 j 05:34	0°♓	
	-2134 Mar 16 j 15:42	0°♈	
asc. node	-2134 Mar 23 j 14:49	4°♈41'50	
evening set	-2134 Apr 10 j 08:38	16°♈32'36	
	-2134 Apr 30 j 19:26	0°♉	
conjunction	-2134 May 30 j 10:43	19°♉12'41	0°36'52
minimum elong	-2134 May 30 j 09:29	19°♉10'42	0°36'54
max. Earth dist.	-2134 Jun 08 j 06:13	24°♉52'27	2.65709 AU
	-2134 Jun 16 j 06:16	0°♊	
morning rise	-2134 Jul 16 j 05:04	19°♊05'37	
	-2134 Aug 02 j 09:06	0°♋	
	-2134 Sep 18 j 16:14	0°♌	
	-2134 Nov 05 j 02:58	0°♍	
	-2134 Dec 23 j 10:34	0°♎	
	-2133 Feb 13 j 03:28	0°♏	
desc. node	-2133 Apr 05 j 20:53	22°♏48'56	
retrograde	-2133 May 03 j 03:36	27°♏06'30	
opposition	-2133 Jun 02 j 15:37	22°♏02'21	-3°55'13
greatest brilliancy	-2133 Jun 03 j 00:22	21°♏56'25	-2.9m
min. Earth dist.	-2133 Jun 05 j 20:39	21°♏10'12	0.38363 AU
direct	-2133 Jul 03 j 20:48	16°♏35'49	
	-2133 Aug 21 j 09:02	0°♐	
	-2133 Oct 12 j 00:02	0°♑	
	-2133 Nov 26 j 07:15	0°♒	
	-2132 Jan 09 j 23:23	0°♓	
asc. node	-2132 Feb 08 j 13:34	19°♓37'27	
	-2132 Feb 24 j 09:19	0°♈	
	-2132 Apr 10 j 19:52	0°♉	
evening set	-2132 May 20 j 16:02	25°♉22'57	
	-2132 May 27 j 22:32	0°♊	
max. Earth dist.	-2132 Jul 01 j 01:36	21°♊42'22	2.67110 AU
conjunction	-2132 Jul 06 j 11:41	25°♊09'55	1°05'20
minimum elong	-2132 Jul 06 j 10:49	25°♊08'32	1°05'23
	-2132 Jul 14 j 01:07	0°♋	
morning rise	-2132 Aug 20 j 09:39	24°♋04'53	
	-2132 Aug 29 j 11:44	0°♌	
	-2132 Oct 13 j 20:57	0°♍	
	-2132 Nov 27 j 03:53	0°♎	
	-2131 Jan 09 j 13:25	0°♏	
desc. node	-2131 Feb 20 j 21:26	29°♏31'54	
	-2131 Feb 21 j 13:34	0°♐	
	-2131 Apr 06 j 11:17	0°♑	
	-2131 May 26 j 10:52	0°♒	
retrograde	-2131 Jul 15 j 16:01	14°♒43'37	
min. Earth dist.	-2131 Aug 11 j 11:47	9°♒56'39	0.42383 AU
greatest brilliancy	-2131 Aug 17 j 16:32	7°♒58'00	-2.6m
opposition	-2131 Aug 19 j 02:35	7°♒30'36	-5°55'58
direct	-2131 Sep 19 j 09:44	1°♒33'31	
	-2131 Dec 09 j 15:37	0°♓	
asc. node	-2131 Dec 26 j 12:25	9°♓19'50	
	-2130 Jan 30 j 22:18	0°♈	
	-2130 Mar 21 j 11:32	0°♉	
	-2130 May 09 j 02:57	0°♊	
	-2130 Jun 25 j 19:24	0°♋	
evening set	-2130 Jun 27 j 17:20	1°♋13'15	
max. Earth dist.	-2130 Jul 25 j 05:08	18°♋56'27	2.63128 AU
	-2130 Aug 11 j 01:58	0°♌	
conjunction	-2130 Aug 13 j 01:41	1°♌18'50	1°08'15
minimum elong	-2130 Aug 13 j 02:18	1°♌19'51	1°08'18
	-2130 Sep 24 j 14:38	0°♍	
morning rise	-2130 Sep 28 j 07:49	2°♍33'33	
	-2130 Nov 06 j 09:00	0°♎	
	-2130 Dec 17 j 14:39	0°♏	
desc. node	-2129 Jan 08 j 20:04	16°♏31'45	
	-2129 Jan 26 j 18:35	0°♐	
	-2129 Mar 07 j 13:02	0°♑	
	-2129 Apr 17 j 00:03	0°♒	
	-2129 May 30 j 04:17	0°♓	
	-2129 Jul 22 j 01:16	0°♈	
retrograde	-2129 Sep 03 j 12:49	11°♈00'15	
min. Earth dist.	-2129 Oct 05 j 11:22	4°♈04'22	0.54924 AU
opposition	-2129 Oct 12 j 06:46	1°♈26'28	-1°27'31
greatest brilliancy	-2129 Oct 11 j 22:36	1°♈34'21	-1.9m
	-2129 Oct 16 j 01:48	30°℞♓	
asc. node	-2129 Nov 13 j 11:44	23°♓30'05	
direct	-2129 Nov 16 j 22:48	23°♓25'22	
	-2129 Dec 22 j 01:50	0°♈	
	-2128 Feb 25 j 00:36	0°♉	
	-2128 Apr 17 j 17:25	0°♊	
	-2128 Jun 05 j 23:11	0°♋	
	-2128 Jul 22 j 16:04	0°♌	
evening set	-2128 Aug 05 j 00:38	8°♌52'59	
max. Earth dist.	-2128 Aug 22 j 11:17	20°♌41'50	2.54135 AU
	-2128 Sep 04 j 22:46	0°♍	
conjunction	-2128 Sep 23 j 02:36	12°♍46'21	0°39'24
minimum elong	-2128 Sep 23 j 04:08	12°♍49'05	0°39'23
	-2128 Oct 17 j 00:13	0°♎	
morning rise	-2128 Nov 14 j 11:55	21°♎06'45	
desc. node	-2128 Nov 25 j 18:49	29°♎37'59	
	-2128 Nov 26 j 06:25	0°♏	
	-2127 Jan 04 j 08:15	0°♐	
	-2127 Feb 11 j 23:43	0°♑	
	-2127 Mar 23 j 01:59	0°♒	
	-2127 May 02 j 16:39	0°♓	
	-2127 Jun 15 j 07:36	0°♈	
	-2127 Aug 04 j 17:10	0°♉	
asc. node	-2127 Sep 30 j 11:27	20°♉36'29	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

retrograde	-2127 Oct 10 j 19:34	21°♉17'58	
min. Earth dist.	-2127 Nov 16 j 12:06	12°♉40'58	0.64171 AU
opposition	-2127 Nov 19 j 20:19	11°♉20'25	1°55'56
greatest brilliancy	-2127 Nov 19 j 13:48	11°♉26'58	-1.5m
direct	-2127 Dec 28 j 17:46	2°♉07'17	
	-2126 Mar 23 j 13:20	0°♊	
	-2126 May 16 j 08:25	0°♋	
	-2126 Jul 03 j 11:52	0°♌	
	-2126 Aug 17 j 02:13	0°♍	
evening set	-2126 Sep 20 j 02:17	24°♍14'40	
	-2126 Sep 27 j 22:37	0°♎	
max. Earth dist.	-2126 Oct 08 j 18:04	8°♎01'17	2.41784 AU
desc. node	-2126 Oct 13 j 18:16	11°♎46'17	
	-2126 Nov 06 j 17:55	0°♏	
conjunction	-2126 Nov 15 j 21:57	7°♏04'11	-0°22'27
minimum elong	-2126 Nov 15 j 20:21	7°♏01'05	0°22'27
	-2126 Dec 15 j 07:19	0°♐	
morning rise	-2125 Jan 20 j 00:39	28°♐04'37	
	-2125 Jan 22 j 11:31	0°♑	
	-2125 Mar 02 j 03:42	0°♒	
	-2125 Apr 11 j 04:50	0°♓	
	-2125 May 23 j 11:04	0°♈	
	-2125 Jul 07 j 23:38	0°♉	
asc. node	-2125 Aug 18 j 09:57	24°♉34'47	
	-2125 Aug 28 j 11:19	0°♊	
retrograde	-2125 Nov 14 j 13:36	25°♊41'12	
opposition	-2125 Dec 24 j 10:28	16°♊03'47	3°58'50
greatest brilliancy	-2125 Dec 24 j 10:24	16°♊03'51	-1.3m
min. Earth dist.	-2125 Dec 24 j 21:27	15°♊52'48	0.67410 AU
direct	-2124 Feb 03 j 04:51	6°♊12'40	
	-2124 Apr 19 j 04:53	0°♋	
	-2124 Jun 11 j 04:36	0°♌	
	-2124 Jul 27 j 04:13	0°♍	
desc. node	-2124 Aug 30 j 16:57	24°♍23'50	
	-2124 Sep 07 j 08:49	0°♎	
	-2124 Oct 17 j 02:59	0°♏	
evening set	-2124 Nov 18 j 15:12	25°♏21'30	
	-2124 Nov 24 j 12:41	0°♐	
	-2123 Jan 01 j 13:57	0°♑	
conjunction	-2123 Jan 23 j 21:38	17°♑25'47	-1°06'26
minimum elong	-2123 Jan 23 j 21:36	17°♑25'43	1°06'28
	-2123 Feb 09 j 05:11	0°♒	
max. Earth dist.	-2123 Mar 14 j 15:30	25°♒08'38	2.41883 AU
	-2123 Mar 21 j 06:00	0°♓	
morning rise	-2123 Mar 31 j 12:21	7°♓28'16	
	-2123 May 02 j 07:12	0°♈	
	-2123 Jun 15 j 19:07	0°♉	
asc. node	-2123 Jul 05 j 09:23	12°♉38'52	
	-2123 Aug 02 j 06:03	0°♊	
	-2123 Sep 23 j 14:25	0°♋	
retrograde	-2123 Dec 19 j 18:34	29°♋34'15	
opposition	-2122 Jan 27 j 09:41	20°♋40'25	4°49'15
greatest brilliancy	-2122 Jan 28 j 01:43	20°♋24'45	-1.4m
min. Earth dist.	-2122 Jan 31 j 17:12	18°♋59'29	0.64158 AU
direct	-2122 Mar 09 j 15:17	10°♋40'13	
	-2122 May 13 j 12:43	0°♌	
	-2122 Jul 04 j 07:56	0°♍	
desc. node	-2122 Jul 18 j 15:01	9°♍24'51	
	-2122 Aug 17 j 03:57	0°♎	
	-2122 Sep 26 j 12:09	0°♏	
	-2122 Nov 04 j 04:25	0°♐	
	-2122 Dec 12 j 11:14	0°♑	
	-2121 Jan 20 j 09:18	0°♒	
evening set	-2121 Jan 27 j 00:28	5°♒01'02	
	-2121 Mar 01 j 18:02	0°♓	
conjunction	-2121 Mar 28 j 16:40	19°♓16'26	-0°32'17
minimum elong	-2121 Mar 28 j 18:28	19°♓19'36	0°32'16
	-2121 Apr 13 j 01:32	0°♈	
max. Earth dist.	-2121 May 02 j 01:57	13°♈00'56	2.54804 AU
morning rise	-2121 May 23 j 02:58	27°♈06'51	
asc. node	-2121 May 23 j 09:11	27°♈17'11	
	-2121 May 27 j 11:42	0°♉	
	-2121 Jul 12 j 21:59	0°♊	
	-2121 Aug 30 j 08:53	0°♋	
	-2121 Oct 20 j 23:54	0°♌	
	-2121 Dec 23 j 06:00	0°♍	
retrograde	-2120 Feb 01 j 03:24	8°♍00'27	
opposition	-2120 Mar 08 j 06:52	0°♍19'29	3°56'09
greatest brilliancy	-2120 Mar 09 j 10:10	29°♌54'34	-1.9m
	-2120 Mar 09 j 04:13	30°℞♌	
min. Earth dist.	-2120 Mar 16 j 01:25	27°♌29'52	0.54646 AU
direct	-2120 Apr 16 j 23:40	21°♌01'17	
	-2120 May 26 j 18:04	0°♍	
desc. node	-2120 Jun 04 j 14:05	3°♍50'55	
	-2120 Jul 20 j 15:45	0°♎	
	-2120 Sep 01 j 20:40	0°♏	
	-2120 Oct 11 j 21:00	0°♐	
	-2120 Nov 20 j 02:02	0°♑	
	-2120 Dec 29 j 19:47	0°♒	
	-2119 Feb 08 j 23:07	0°♓	
evening set	-2119 Mar 23 j 04:25	29°♓28'41	
	-2119 Mar 23 j 22:46	0°♈	
asc. node	-2119 Apr 09 j 07:04	11°♈04'11	
	-2119 May 07 j 19:07	0°♉	
conjunction	-2119 May 14 j 10:51	4°♉21'40	0°20'05
minimum elong	-2119 May 14 j 10:01	4°♉20'18	0°20'06
max. Earth dist.	-2119 May 29 j 13:50	14°♉12'06	2.63676 AU
	-2119 Jun 23 j 03:03	0°♊	
morning rise	-2119 Jul 01 j 19:43	5°♊33'06	
	-2119 Aug 09 j 09:56	0°♋	
	-2119 Sep 26 j 08:33	0°♌	
	-2119 Nov 14 j 09:04	0°♍	
	-2118 Jan 05 j 16:56	0°♎	
	-2118 Mar 31 j 07:05	0°♏	
retrograde	-2118 Apr 02 j 06:25	0°♏01'27	
	-2118 Apr 04 j 05:28	30°℞♎	
desc. node	-2118 Apr 22 j 13:42	27°♎29'48	
opposition	-2118 May 04 j 03:05	24°♎18'48	-0°45'16
greatest brilliancy	-2118 May 04 j 07:46	24°♎15'16	-2.7m
min. Earth dist.	-2118 May 11 j 03:46	22°♎11'59	0.41781 AU
direct	-2118 Jun 07 j 10:34	17°♎35'15	
	-2118 Jul 23 j 06:22	0°♏	
	-2118 Sep 12 j 01:18	0°♐	
	-2118 Oct 25 j 10:28	0°♑	
	-2118 Dec 06 j 18:44	0°♒	
	-2117 Jan 18 j 19:41	0°♓	
asc. node	-2117 Feb 25 j 05:07	25°♓19'49	
	-2117 Mar 04 j 05:19	0°♈	
	-2117 Apr 19 j 00:45	0°♉	
evening set	-2117 May 06 j 06:09	11°♉05'54	
	-2117 Jun 04 j 19:23	0°♊	
conjunction	-2117 Jun 22 j 23:39	11°♊35'05	0°57'02
minimum elong	-2117 Jun 22 j 22:27	11°♊33'10	0°57'04
max. Earth dist.	-2117 Jun 22 j 22:45	11°♊33'39	2.67218 AU
	-2117 Jul 21 j 20:35	0°♋	
morning rise	-2117 Aug 07 j 06:18	10°♋30'06	
	-2117 Sep 06 j 12:47	0°♌	
	-2117 Oct 22 j 12:22	0°♍	
	-2117 Dec 06 j 20:56	0°♎	
	-2116 Jan 20 j 23:59	0°♏	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-2116 Mar 06 j 23:30	0°♐	
desc. node	-2116 Mar 09 j 13:24	1°♐38'08	
	-2116 Apr 27 j 07:40	0°♑	
retrograde	-2116 Jun 19 j 17:29	15°♑49'05	
min. Earth dist.	-2116 Jul 16 j 19:24	11°♑23'01	0.38731 AU
opposition	-2116 Jul 21 j 16:24	10°♑00'11	-6°44'36
greatest brilliancy	-2116 Jul 20 j 14:53	10°♑18'18	-2.8m
direct	-2116 Aug 20 j 12:39	4°♑51'08	
	-2116 Nov 02 j 00:05	0°♒	
	-2116 Dec 23 j 04:10	0°♓	
asc. node	-2115 Jan 12 j 04:16	12°♓21'37	
	-2115 Feb 09 j 10:36	0°♈	
	-2115 Mar 29 j 09:10	0°♉	
	-2115 May 16 j 06:34	0°♊	
evening set	-2115 Jun 13 j 00:23	17°♊29'49	
	-2115 Jul 02 j 16:02	0°♋	
max. Earth dist.	-2115 Jul 15 j 12:53	8°♋15'18	2.65332 AU
conjunction	-2115 Jul 29 j 05:01	17°♋05'32	1°10'31
minimum elong	-2115 Jul 29 j 05:00	17°♋05'31	1°10'34
	-2115 Aug 17 j 22:59	0°♌	
morning rise	-2115 Sep 12 j 11:56	16°♌58'26	
	-2115 Oct 01 j 18:04	0°♍	
	-2115 Nov 13 j 23:44	0°♎	
	-2115 Dec 25 j 20:31	0°♏	
desc. node	-2114 Jan 25 j 13:48	22°♏29'19	
	-2114 Feb 04 j 18:12	0°♐	
	-2114 Mar 17 j 09:59	0°♑	
	-2114 Apr 28 j 05:49	0°♒	
	-2114 Jun 14 j 01:46	0°♓	
retrograde	-2114 Aug 17 j 04:13	21°♓59'16	
min. Earth dist.	-2114 Sep 15 j 23:31	15°♓53'04	0.50076 AU
opposition	-2114 Sep 23 j 17:54	13°♓00'53	-3°10'42
greatest brilliancy	-2114 Sep 22 j 22:07	13°♓19'12	-2.2m
direct	-2114 Oct 27 j 18:52	5°♓41'32	
asc. node	-2114 Nov 30 j 02:58	11°♓48'37	
	-2113 Jan 11 j 07:00	0°♈	
	-2113 Mar 07 j 02:18	0°♉	
	-2113 Apr 26 j 16:00	0°♊	
	-2113 Jun 14 j 03:28	0°♋	
evening set	-2113 Jul 21 j 07:06	23°♋52'19	
	-2113 Jul 30 j 14:52	0°♌	
max. Earth dist.	-2113 Aug 11 j 03:45	7°♌40'01	2.58232 AU
conjunction	-2113 Sep 06 j 19:26	25°♌44'57	0°54'48
minimum elong	-2113 Sep 06 j 20:52	25°♌47'24	0°54'49
	-2113 Sep 12 j 23:06	0°♍	
	-2113 Oct 25 j 06:14	0°♎	
morning rise	-2113 Oct 26 j 00:06	0°♎32'25	
	-2113 Dec 04 j 20:16	0°♏	
desc. node	-2113 Dec 13 j 12:42	6°♏33'06	
	-2112 Jan 13 j 06:15	0°♐	
	-2112 Feb 21 j 05:25	0°♑	
	-2112 Mar 31 j 15:34	0°♒	
	-2112 May 11 j 18:43	0°♓	
	-2112 Jun 25 j 19:45	0°♈	
	-2112 Aug 23 j 05:24	0°♉	
retrograde	-2112 Sep 26 j 16:44	6°♉55'47	
asc. node	-2112 Oct 17 j 01:51	4°♉00'58	
	-2112 Oct 28 j 20:59	30°℞♈	
min. Earth dist.	-2112 Oct 31 j 16:09	28°♈54'17	0.61202 AU
opposition	-2112 Nov 05 j 11:12	26°♈59'36	0°47'55
greatest brilliancy	-2112 Nov 05 j 07:23	27°♈03'24	-1.6m
direct	-2112 Dec 13 j 06:30	18°♈09'36	
	-2111 Feb 01 j 04:03	0°♉	
	-2111 Apr 03 j 01:01	0°♊	
	-2111 May 24 j 09:50	0°♋	
	-2111 Jul 10 j 20:01	0°♌	
	-2111 Aug 24 j 06:03	0°♍	
evening set	-2111 Aug 31 j 22:13	5°♍22'18	
max. Earth dist.	-2111 Sep 16 j 00:40	16°♍06'20	2.46765 AU
	-2111 Oct 05 j 03:42	0°♎	
conjunction	-2111 Oct 23 j 22:38	13°♎57'25	0°04'27
minimum elong	-2111 Oct 23 j 22:54	13°♎57'56	0°04'26
behind sun begin	-2111 Oct 22 j 23:55	13°♎14'51	
behind sun end	-2111 Oct 24 j 21:54	14°♎41'04	
desc. node	-2111 Oct 30 j 10:42	18°♎51'05	
	-2111 Nov 14 j 02:39	0°♏	
morning rise	-2111 Dec 22 j 13:46	29°♏47'33	
	-2111 Dec 22 j 20:09	0°♐	
	-2110 Jan 30 j 03:51	0°♑	
	-2110 Mar 09 j 22:36	0°♒	
	-2110 Apr 19 j 02:23	0°♓	
	-2110 May 31 j 15:26	0°♈	
	-2110 Jul 17 j 03:22	0°♉	
asc. node	-2110 Sep 04 j 02:00	26°♉41'37	
	-2110 Sep 11 j 10:07	0°♊	
retrograde	-2110 Nov 01 j 03:48	12°♊49'02	
min. Earth dist.	-2110 Dec 10 j 04:16	3°♊25'53	0.66891 AU
opposition	-2110 Dec 11 j 05:26	3°♊00'37	3°19'49
greatest brilliancy	-2110 Dec 11 j 01:04	3°♊05'00	-1.3m
	-2110 Dec 18 j 21:29	30°℞♉	
direct	-2109 Jan 20 j 10:07	23°♉21'08	
	-2109 Feb 25 j 12:27	0°♊	
	-2109 May 01 j 06:55	0°♋	
	-2109 Jun 20 j 14:38	0°♌	
	-2109 Aug 04 j 21:07	0°♍	
	-2109 Sep 15 j 20:59	0°♎	
desc. node	-2109 Sep 17 j 09:24	1°♎07'09	
evening set	-2109 Oct 25 j 00:01	29°♎31'44	
	-2109 Oct 25 j 14:41	0°♏	
	-2109 Dec 03 j 00:59	0°♐	
conjunction	-2109 Dec 27 j 13:56	19°♐21'14	-0°58'26
minimum elong	-2109 Dec 27 j 11:15	19°♐15'57	0°58'27
	-2108 Jan 10 j 02:34	0°♑	
max. Earth dist.	-2108 Jan 20 j 19:21	8°♑23'08	2.37676 AU
	-2108 Feb 17 j 17:15	0°♒	
morning rise	-2108 Mar 05 j 13:20	12°♒47'25	
	-2108 Mar 28 j 16:53	0°♓	
	-2108 May 09 j 18:00	0°♈	
	-2108 Jun 23 j 10:50	0°♉	
asc. node	-2108 Jul 22 j 01:27	18°♉05'42	
	-2108 Aug 10 j 19:29	0°♊	
	-2108 Oct 06 j 04:44	0°♋	
retrograde	-2108 Dec 05 j 05:18	16°♋20'56	
opposition	-2107 Jan 13 j 11:14	7°♋07'18	4°38'56
greatest brilliancy	-2107 Jan 13 j 20:29	6°♋58'10	-1.3m
min. Earth dist.	-2107 Jan 16 j 06:30	6°♋00'53	0.66207 AU
	-2107 Feb 02 j 14:42	30°℞♊	
direct	-2107 Feb 23 j 17:10	27°♊06'40	
	-2107 Mar 18 j 09:16	0°♋	
	-2107 May 26 j 04:10	0°♌	
	-2107 Jul 13 j 13:43	0°♍	
desc. node	-2107 Aug 04 j 08:13	14°♍52'26	
	-2107 Aug 25 j 12:28	0°♎	
	-2107 Oct 04 j 12:54	0°♏	
	-2107 Nov 12 j 01:01	0°♐	
	-2107 Dec 20 j 04:15	0°♑	
evening set	-2107 Dec 31 j 17:55	9°♑02'23	
	-2106 Jan 27 j 22:15	0°♒	
conjunction	-2106 Mar 06 j 01:36	27°♒46'51	-0°51'28

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

minimum elong	-2106 Mar 06 j 04:07	27°♒51'28	0°51'29
	-2106 Mar 09 j 02:26	0°♓	
max. Earth dist.	-2106 Apr 17 j 18:51	28°♓17'16	2.50059 AU
	-2106 Apr 20 j 06:00	0°♈	
morning rise	-2106 May 04 j 15:41	9°♈54'36	
	-2106 Jun 03 j 14:44	0°♉	
asc. node	-2106 Jun 09 j 00:08	3°♉32'38	
	-2106 Jul 20 j 06:33	0°♊	
	-2106 Sep 07 j 16:05	0°♋	
	-2106 Nov 01 j 18:07	0°♌	
retrograde	-2105 Jan 13 j 22:40	22°♌17'33	
opposition	-2105 Feb 20 j 05:46	14°♌03'26	4°33'49
greatest brilliancy	-2105 Feb 21 j 06:51	13°♌39'44	-1.7m
min. Earth dist.	-2105 Feb 26 j 18:55	11°♌35'21	0.59040 AU
direct	-2105 Apr 01 j 20:49	4°♌19'46	
	-2105 Jun 15 j 13:54	0°♍	
desc. node	-2105 Jun 22 j 06:09	3°♍50'44	
	-2105 Aug 01 j 22:52	0°♎	
	-2105 Sep 12 j 11:48	0°♏	
	-2105 Oct 21 j 18:18	0°♐	
	-2105 Nov 29 j 11:23	0°♑	
	-2104 Jan 07 j 18:51	0°♒	
	-2104 Feb 17 j 12:35	0°♓	
evening set	-2104 Mar 03 j 04:42	10°♓28'54	
	-2104 Mar 31 j 04:00	0°♈	
asc. node	-2104 Apr 25 j 23:04	17°♈30'00	
conjunction	-2104 Apr 27 j 06:42	18°♈22'57	0°00'48
minimum elong	-2104 Apr 27 j 06:36	18°♈22'48	0°00'49
behind sun begin	-2104 Apr 26 j 08:54	17°♈46'29	
behind sun end	-2104 Apr 28 j 04:19	18°♈59'05	
	-2104 May 14 j 18:32	0°♉	
max. Earth dist.	-2104 May 19 j 12:15	3°♉06'58	2.60814 AU
morning rise	-2104 Jun 16 j 20:03	21°♉31'24	
	-2104 Jun 30 j 01:25	0°♊	
	-2104 Aug 16 j 15:26	0°♋	
	-2104 Oct 04 j 13:02	0°♌	
	-2104 Nov 25 j 03:49	0°♍	
	-2103 Jan 27 j 12:52	0°♎	
retrograde	-2103 Mar 06 j 09:54	7°♎22'58	
opposition	-2103 Apr 09 j 02:53	0°♎50'03	1°44'05
greatest brilliancy	-2103 Apr 09 j 18:11	0°♎37'23	-2.3m
	-2103 Apr 11 j 15:08	30°℞♍	
min. Earth dist.	-2103 Apr 17 j 14:41	28°♍01'48	0.46674 AU
desc. node	-2103 May 09 j 06:06	23°♍09'34	
direct	-2103 May 16 j 04:03	22°♍49'44	
	-2103 Jun 19 j 05:56	0°♎	
	-2103 Aug 13 j 04:51	0°♏	
	-2103 Sep 25 j 07:05	0°♐	
	-2103 Nov 05 j 03:09	0°♑	
	-2103 Dec 16 j 00:41	0°♒	
	-2102 Jan 27 j 01:50	0°♓	
	-2102 Mar 11 j 18:36	0°♈	
asc. node	-2102 Mar 13 j 20:42	1°♈24'15	
evening set	-2102 Apr 20 j 02:22	26°♈04'34	
	-2102 Apr 26 j 02:38	0°♉	
conjunction	-2102 Jun 08 j 04:39	27°♉47'34	0°45'13
minimum elong	-2102 Jun 08 j 03:20	27°♉45'29	0°45'14
	-2102 Jun 11 j 15:25	0°♊	
max. Earth dist.	-2102 Jun 13 j 16:56	1°♊19'09	2.66487 AU
morning rise	-2102 Jul 24 j 06:50	27°♊11'05	
	-2102 Jul 28 j 16:58	0°♋	
	-2102 Sep 13 j 17:45	0°♌	
	-2102 Oct 30 j 13:47	0°♍	
	-2102 Dec 16 j 13:28	0°♎	
	-2101 Feb 02 j 20:56	0°♏	
desc. node	-2101 Mar 27 j 06:54	28°♏59'00	
	-2101 Mar 29 j 10:30	0°♐	
retrograde	-2101 May 21 j 09:18	14°♐30'41	
opposition	-2101 Jun 20 j 16:05	9°♐29'13	-5°30'18
greatest brilliancy	-2101 Jun 20 j 15:38	9°♐29'32	-2.9m
min. Earth dist.	-2101 Jun 20 j 23:33	9°♐24'16	0.37593 AU
direct	-2101 Jul 20 j 19:45	4°♐27'04	
	-2101 Sep 30 j 22:24	0°♑	
	-2101 Nov 18 j 18:16	0°♒	
	-2100 Jan 03 j 20:39	0°♓	
asc. node	-2100 Jan 29 j 18:37	16°♓53'10	
	-2100 Feb 19 j 00:51	0°♈	
	-2100 Apr 05 j 21:43	0°♉	
	-2100 May 23 j 06:05	0°♊	
evening set	-2100 May 29 j 06:56	3°♊49'17	
max. Earth dist.	-2100 Jul 06 j 09:41	28°♊03'06	2.66711 AU
	-2100 Jul 09 j 10:48	0°♋	
conjunction	-2100 Jul 14 j 18:10	3°♋24'00	1°08'25
minimum elong	-2100 Jul 14 j 17:35	3°♋23'03	1°08'27
	-2100 Aug 24 j 19:50	0°♌	
morning rise	-2100 Aug 28 j 15:45	2°♌30'40	
	-2100 Oct 08 j 23:40	0°♍	
	-2100 Nov 21 j 20:31	0°♎	
	-2099 Jan 03 j 14:52	0°♏	
desc. node	-2099 Feb 11 j 06:01	27°♏32'42	
	-2099 Feb 14 j 16:26	0°♐	
	-2099 Mar 28 j 23:23	0°♑	
	-2099 May 13 j 01:28	0°♒	
retrograde	-2099 Jul 28 j 08:07	29°♒34'15	
min. Earth dist.	-2099 Aug 25 j 01:21	24°♒20'44	0.44989 AU
greatest brilliancy	-2099 Aug 31 j 18:48	22°♒03'20	-2.4m
opposition	-2099 Sep 02 j 01:40	21°♒36'51	-5°00'38
direct	-2099 Oct 04 j 08:42	15°♒08'52	
	-2099 Nov 28 j 01:52	0°♓	
asc. node	-2099 Dec 16 j 18:30	9°♓03'21	
	-2098 Jan 24 j 02:09	0°♈	
	-2098 Mar 15 j 23:31	0°♉	
	-2098 May 04 j 04:43	0°♊	
	-2098 Jun 21 j 03:25	0°♋	
evening set	-2098 Jul 06 j 05:19	9°♋38'14	
max. Earth dist.	-2098 Jul 31 j 03:41	25°♋49'43	2.61596 AU
	-2098 Aug 06 j 11:46	0°♌	
conjunction	-2098 Aug 21 j 19:56	10°♌12'04	1°04'47
minimum elong	-2098 Aug 21 j 20:53	10°♌13'40	1°04'49
	-2098 Sep 19 j 23:07	0°♍	
morning rise	-2098 Oct 07 j 21:31	12°♍28'38	
	-2098 Nov 01 j 13:22	0°♎	
	-2098 Dec 12 j 13:09	0°♏	
desc. node	-2098 Dec 30 j 04:54	13°♏12'38	
	-2097 Jan 21 j 09:49	0°♐	
	-2097 Mar 01 j 20:02	0°♑	
	-2097 Apr 10 j 19:25	0°♒	
	-2097 May 22 j 22:31	0°♓	
	-2097 Jul 10 j 04:57	0°♈	
retrograde	-2097 Sep 12 j 15:49	21°♈11'49	
min. Earth dist.	-2097 Oct 15 j 17:44	13°♈51'07	0.57371 AU
opposition	-2097 Oct 21 j 21:16	11°♈26'29	-0°33'55
greatest brilliancy	-2097 Oct 21 j 18:25	11°♈29'16	-1.8m
asc. node	-2097 Nov 03 j 18:07	6°♈49'23	
direct	-2097 Nov 27 j 09:13	3°♈05'56	
	-2096 Feb 17 j 11:02	0°♉	
	-2096 Apr 12 j 03:16	0°♊	
	-2096 Jun 01 j 00:39	0°♋	
	-2096 Jul 17 j 23:28	0°♌	
evening set	-2096 Aug 14 j 10:40	18°♌22'48	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

max. Earth dist.	-2096 Aug 30 j 10:44	29°♌23'14	2.51649 AU
	-2096 Aug 31 j 07:53	0°♍	
conjunction	-2096 Oct 03 j 16:06	23°♍40'46	0°28'04
minimum elong	-2096 Oct 03 j 17:25	23°♍43'10	0°28'03
	-2096 Oct 12 j 08:25	0°♎	
desc. node	-2096 Nov 16 j 03:55	25°♎56'17	
	-2096 Nov 21 j 12:20	0°♏	
morning rise	-2096 Nov 27 j 07:10	4°♏24'41	
	-2096 Dec 30 j 10:59	0°♐	
	-2095 Feb 06 j 23:06	0°♑	
	-2095 Mar 17 j 21:41	0°♒	
	-2095 Apr 27 j 06:27	0°♓	
	-2095 Jun 09 j 08:05	0°♈	
	-2095 Jul 27 j 16:10	0°♉	
asc. node	-2095 Sep 20 j 17:06	25°♉03'58	
retrograde	-2095 Oct 18 j 16:15	29°♉35'50	
min. Earth dist.	-2095 Nov 25 j 06:19	20°♉41'14	0.65409 AU
opposition	-2095 Nov 27 j 19:03	19°♉40'12	2°30'07
greatest brilliancy	-2095 Nov 27 j 12:30	19°♉46'47	-1.4m
direct	-2094 Jan 06 j 05:26	10°♉16'21	
	-2094 Mar 15 j 10:27	0°♊	
	-2094 May 10 j 16:12	0°♋	
	-2094 Jun 28 j 11:33	0°♌	
	-2094 Aug 12 j 07:34	0°♍	
	-2094 Sep 23 j 05:31	0°♎	
evening set	-2094 Oct 02 j 00:20	6°♎30'23	
desc. node	-2094 Oct 04 j 02:07	8°♎03'11	
max. Earth dist.	-2094 Oct 29 j 04:33	27°♎03'12	2.39332 AU
	-2094 Nov 02 j 00:40	0°♏	
conjunction	-2094 Nov 30 j 05:54	21°♏55'07	-0°37'28
minimum elong	-2094 Nov 30 j 03:18	21°♏50'01	0°37'29
	-2094 Dec 10 j 13:04	0°♐	
	-2093 Jan 17 j 16:09	0°♑	
morning rise	-2093 Feb 05 j 16:38	14°♑51'43	
	-2093 Feb 25 j 07:19	0°♒	
	-2093 Apr 06 j 06:47	0°♓	
	-2093 May 18 j 09:28	0°♈	
	-2093 Jul 02 j 11:34	0°♉	
asc. node	-2093 Aug 08 j 16:46	22°♉46'08	
	-2093 Aug 21 j 09:25	0°♊	
	-2093 Oct 28 j 11:24	0°♋	
retrograde	-2093 Nov 22 j 08:03	3°♋27'44	
	-2093 Dec 15 j 08:30	30°℞♊	
opposition	-2092 Jan 01 j 01:00	23°♊57'46	4°16'42
greatest brilliancy	-2092 Jan 01 j 03:58	23°♊54'49	-1.3m
min. Earth dist.	-2092 Jan 02 j 08:02	23°♊26'52	0.67261 AU
direct	-2092 Feb 11 j 01:21	14°♊01'57	
	-2092 Apr 10 j 09:48	0°♋	
	-2092 Jun 05 j 07:30	0°♌	
	-2092 Jul 22 j 00:05	0°♍	
desc. node	-2092 Aug 21 j 01:00	21°♍00'12	
	-2092 Sep 02 j 10:26	0°♎	
	-2092 Oct 12 j 06:41	0°♏	
	-2092 Nov 19 j 16:56	0°♐	
evening set	-2092 Dec 04 j 03:15	11°♐22'50	
	-2092 Dec 27 j 18:29	0°♑	
	-2091 Feb 04 j 10:11	0°♒	
conjunction	-2091 Feb 08 j 12:37	3°♒07'51	-1°04'16
minimum elong	-2091 Feb 08 j 14:09	3°♒10'45	1°04'18
	-2091 Mar 16 j 11:21	0°♓	
max. Earth dist.	-2091 Mar 29 j 21:12	9°♓44'23	2.44839 AU
morning rise	-2091 Apr 13 j 17:39	20°♓20'28	
	-2091 Apr 27 j 12:22	0°♈	
	-2091 Jun 10 j 21:36	0°♉	
asc. node	-2091 Jun 25 j 16:15	9°♉37'13	
	-2091 Jul 27 j 22:58	0°♊	
	-2091 Sep 16 j 20:55	0°♋	
	-2091 Nov 19 j 01:37	0°♌	
retrograde	-2091 Dec 28 j 12:16	7°♌50'28	
	-2090 Feb 02 j 12:52	30°℞♋	
opposition	-2090 Feb 04 j 17:44	29°♋09'12	4°48'23
greatest brilliancy	-2090 Feb 05 j 13:21	28°♋50'14	-1.5m
min. Earth dist.	-2090 Feb 09 j 21:02	27°♋10'15	0.62619 AU
direct	-2090 Mar 17 j 21:01	19°♋12'16	
	-2090 May 02 j 16:00	0°♌	
	-2090 Jun 27 j 20:37	0°♍	
desc. node	-2090 Jul 09 j 00:27	7°♍06'23	
	-2090 Aug 11 j 14:25	0°♎	
	-2090 Sep 21 j 06:50	0°♏	
	-2090 Oct 30 j 02:56	0°♐	
	-2090 Dec 07 j 12:12	0°♑	
	-2089 Jan 15 j 12:25	0°♒	
evening set	-2089 Feb 09 j 21:33	18°♒58'45	
	-2089 Feb 24 j 23:03	0°♓	
	-2089 Apr 08 j 08:13	0°♈	
conjunction	-2089 Apr 09 j 10:50	0°♈45'56	-0°20'06
minimum elong	-2089 Apr 09 j 11:56	0°♈47'49	0°20'05
max. Earth dist.	-2089 May 09 j 08:10	21°♈03'56	2.57170 AU
asc. node	-2089 May 13 j 13:57	23°♈53'48	
	-2089 May 22 j 18:46	0°♉	
morning rise	-2089 Jun 01 j 21:31	6°♉38'54	
	-2089 Jul 08 j 02:37	0°♊	
	-2089 Aug 25 j 03:40	0°♋	
	-2089 Oct 14 j 12:09	0°♌	
	-2089 Dec 10 j 04:10	0°♍	
retrograde	-2088 Feb 12 j 13:49	18°♍12'44	
opposition	-2088 Mar 18 j 23:31	10°♍53'33	3°19'53
greatest brilliancy	-2088 Mar 20 j 01:12	10°♍30'45	-2.0m
min. Earth dist.	-2088 Mar 27 j 06:21	7°♍57'47	0.51927 AU
direct	-2088 Apr 26 j 22:57	1°♍56'57	
desc. node	-2088 May 25 j 23:06	7°♍05'53	
	-2088 Jul 12 j 01:59	0°♎	
	-2088 Aug 26 j 05:33	0°♏	
	-2088 Oct 05 j 23:21	0°♐	
	-2088 Nov 14 j 14:13	0°♑	
	-2088 Dec 24 j 15:09	0°♒	
	-2087 Feb 03 j 23:56	0°♓	
	-2087 Mar 19 j 03:53	0°♈	
asc. node	-2087 Mar 30 j 12:23	7°♈41'02	
evening set	-2087 Apr 02 j 18:07	9°♈51'42	
	-2087 May 03 j 02:59	0°♉	
conjunction	-2087 May 23 j 17:50	13°♉25'50	0°30'11
minimum elong	-2087 May 23 j 16:44	13°♉24'02	0°30'12
max. Earth dist.	-2087 Jun 04 j 07:49	20°♉54'34	2.64904 AU
	-2087 Jun 18 j 11:44	0°♊	
morning rise	-2087 Jul 10 j 03:38	13°♊49'11	
	-2087 Aug 04 j 15:45	0°♋	
	-2087 Sep 21 j 04:56	0°♌	
	-2087 Nov 08 j 06:13	0°♍	
	-2087 Dec 27 j 22:52	0°♎	
	-2086 Feb 22 j 05:45	0°♏	
desc. node	-2086 Apr 12 j 22:36	14°♏54'39	
retrograde	-2086 Apr 19 j 04:12	15°♏09'04	
opposition	-2086 May 20 j 05:20	9°♏51'14	-2°31'25
greatest brilliancy	-2086 May 20 j 15:41	9°♏43'54	-2.8m
min. Earth dist.	-2086 May 25 j 10:39	8°♏22'47	0.39615 AU
direct	-2086 Jun 21 j 17:31	3°♏53'22	
	-2086 Sep 01 j 04:08	0°♐	
	-2086 Oct 17 j 17:44	0°♑	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-2086 Nov 30 j 10:29	0°♒	
	-2085 Jan 13 j 05:56	0°♓	
asc. node	-2085 Feb 15 j 11:23	22°♓17'32	
	-2085 Feb 27 j 03:06	0°♈	
	-2085 Apr 14 j 05:33	0°♉	
evening set	-2085 May 15 j 04:11	19°♉48'42	
	-2085 May 31 j 04:03	0°♊	
max. Earth dist.	-2085 Jun 28 j 07:42	17°♊55'14	2.67265 AU
conjunction	-2085 Jul 01 j 08:11	19°♊50'45	1°02'18
minimum elong	-2085 Jul 01 j 07:09	19°♊49'06	1°02'20
	-2085 Jul 17 j 05:53	0°♋	
morning rise	-2085 Aug 15 j 08:35	18°♋42'02	
	-2085 Sep 01 j 19:09	0°♌	
	-2085 Oct 17 j 10:59	0°♍	
	-2085 Dec 01 j 04:42	0°♎	
	-2084 Jan 14 j 06:45	0°♏	
	-2084 Feb 27 j 07:49	0°♐	
desc. node	-2084 Feb 28 j 23:06	1°♐06'13	
	-2084 Apr 13 j 06:21	0°♑	
	-2084 Jun 13 j 18:08	0°♒	
retrograde	-2084 Jul 05 j 00:16	3°♒00'52	
	-2084 Jul 26 j 03:13	30°℞♑	
min. Earth dist.	-2084 Jul 31 j 12:49	28°♑28'59	0.40509 AU
greatest brilliancy	-2084 Aug 05 j 21:55	26°♑51'44	-2.7m
opposition	-2084 Aug 07 j 06:40	26°♑26'52	-6°28'15
direct	-2084 Sep 06 j 19:30	20°♑53'56	
	-2084 Oct 17 j 08:34	0°♒	
	-2084 Dec 15 j 06:03	0°♓	
asc. node	-2083 Jan 02 j 10:17	10°♓40'11	
	-2083 Feb 03 j 10:11	0°♈	
	-2083 Mar 24 j 04:17	0°♉	
	-2083 May 11 j 11:18	0°♊	
evening set	-2083 Jun 21 j 10:59	25°♊48'43	
	-2083 Jun 28 j 00:51	0°♋	
max. Earth dist.	-2083 Jul 21 j 03:28	14°♋51'03	2.64210 AU
conjunction	-2083 Aug 06 j 16:18	25°♋37'17	1°09'45
minimum elong	-2083 Aug 06 j 16:39	25°♋37'51	1°09'47
	-2083 Aug 13 j 08:11	0°♌	
morning rise	-2083 Sep 21 j 10:13	26°♌10'43	
	-2083 Sep 27 j 00:33	0°♍	
	-2083 Nov 09 j 00:30	0°♎	
	-2083 Dec 20 j 13:18	0°♏	
desc. node	-2082 Jan 15 j 21:46	19°♏28'03	
	-2082 Jan 30 j 00:49	0°♐	
	-2082 Mar 11 j 03:30	0°♑	
	-2082 Apr 21 j 01:33	0°♒	
	-2082 Jun 04 j 06:36	0°♓	
	-2082 Aug 04 j 00:41	0°♈	
retrograde	-2082 Aug 27 j 06:56	3°♈34'07	
	-2082 Sep 18 j 13:58	30°℞♓	
min. Earth dist.	-2082 Sep 27 j 06:52	27°♓00'18	0.52802 AU
opposition	-2082 Oct 04 j 14:27	24°♓13'37	-2°10'01
greatest brilliancy	-2082 Oct 04 j 01:33	24°♓25'53	-2.0m
direct	-2082 Nov 08 j 13:40	16°♓30'11	
asc. node	-2082 Nov 20 j 09:17	17°♓21'35	
	-2082 Dec 31 j 11:42	0°♈	
	-2081 Feb 28 j 17:07	0°♉	
	-2081 Apr 21 j 10:07	0°♊	
	-2081 Jun 09 j 08:13	0°♋	
	-2081 Jul 25 j 23:31	0°♌	
evening set	-2081 Jul 30 j 04:44	2°♌47'15	
max. Earth dist.	-2081 Aug 17 j 23:34	15°♌21'59	2.56039 AU
	-2081 Sep 08 j 08:02	0°♍	
conjunction	-2081 Sep 16 j 11:47	5°♍41'15	0°46'35
minimum elong	-2081 Sep 16 j 13:20	5°♍43'58	0°46'35
	-2081 Oct 20 j 12:50	0°♎	
morning rise	-2081 Nov 06 j 07:43	12°♎19'01	
	-2081 Nov 29 j 23:13	0°♏	
desc. node	-2081 Dec 03 j 20:26	2°♏56'13	
	-2080 Jan 08 j 04:55	0°♐	
	-2080 Feb 15 j 23:31	0°♑	
	-2080 Mar 26 j 04:30	0°♒	
	-2080 May 05 j 22:33	0°♓	
	-2080 Jun 18 j 23:17	0°♈	
	-2080 Aug 10 j 08:29	0°♉	
retrograde	-2080 Oct 04 j 20:58	15°♉43'41	
asc. node	-2080 Oct 07 j 08:53	15°♉41'07	
min. Earth dist.	-2080 Nov 09 j 19:56	7°♉22'07	0.62959 AU
opposition	-2080 Nov 13 j 20:00	5°♉45'58	1°29'02
greatest brilliancy	-2080 Nov 13 j 14:04	5°♉51'53	-1.5m
	-2080 Nov 29 j 20:56	30°℞♈	
direct	-2080 Dec 22 j 07:03	26°♈42'28	
	-2079 Jan 15 j 16:36	0°♉	
	-2079 Mar 27 j 10:11	0°♊	
	-2079 May 19 j 03:03	0°♋	
	-2079 Jul 06 j 00:00	0°♌	
	-2079 Aug 19 j 13:54	0°♍	
evening set	-2079 Sep 11 j 13:13	16°♍13'54	
max. Earth dist.	-2079 Sep 27 j 13:03	27°♍49'58	2.43979 AU
	-2079 Sep 30 j 11:54	0°♎	
desc. node	-2079 Oct 20 j 20:03	15°♎08'07	
conjunction	-2079 Nov 05 j 13:34	27°♎03'57	-0°10'44
minimum elong	-2079 Nov 05 j 12:50	27°♎02'33	0°10'45
behind sun begin	-2079 Nov 04 j 17:51	26°♎26'19	
behind sun end	-2079 Nov 06 j 07:50	27°♎38'49	
	-2079 Nov 09 j 09:37	0°♏	
	-2079 Dec 18 j 01:02	0°♐	
morning rise	-2078 Jan 07 j 07:40	15°♐54'56	
	-2078 Jan 25 j 06:27	0°♑	
	-2078 Mar 04 j 23:05	0°♒	
	-2078 Apr 14 j 00:03	0°♓	
	-2078 May 26 j 07:12	0°♈	
	-2078 Jul 11 j 01:59	0°♉	
asc. node	-2078 Aug 25 j 07:43	26°♉07'08	
	-2078 Sep 01 j 22:01	0°♊	
retrograde	-2078 Nov 08 j 20:17	20°♊41'04	
opposition	-2078 Dec 18 j 20:23	10°♊58'20	3°43'47
greatest brilliancy	-2078 Dec 18 j 18:11	11°♊00'32	-1.3m
min. Earth dist.	-2078 Dec 18 j 15:16	11°♊03'28	0.67312 AU
direct	-2077 Jan 28 j 09:59	1°♊11'54	
	-2077 Apr 24 j 09:22	0°♋	
	-2077 Jun 15 j 04:35	0°♌	
	-2077 Jul 30 j 22:11	0°♍	
desc. node	-2077 Sep 07 j 18:40	27°♍34'40	
	-2077 Sep 11 j 01:54	0°♎	
	-2077 Oct 20 j 20:50	0°♏	
evening set	-2077 Nov 08 j 03:08	14°♏10'25	
	-2077 Nov 28 j 07:07	0°♐	
	-2076 Jan 05 j 08:12	0°♑	
conjunction	-2076 Jan 12 j 13:31	5°♑39'59	-1°04'49
minimum elong	-2076 Jan 12 j 12:08	5°♑37'16	1°04'51
	-2076 Feb 12 j 22:26	0°♒	
max. Earth dist.	-2076 Feb 27 j 11:07	11°♒03'26	2.39676 AU
morning rise	-2076 Mar 20 j 15:55	27°♒37'31	
	-2076 Mar 23 j 21:25	0°♓	
	-2076 May 04 j 20:53	0°♈	
	-2076 Jun 18 j 08:54	0°♉	
asc. node	-2076 Jul 12 j 06:41	15°♉19'59	
	-2076 Aug 05 j 01:57	0°♊	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-2076 Sep 27 j 15:19	0°♋	
retrograde	-2076 Dec 13 j 10:46	24°♋19'24	
opposition	-2075 Jan 21 j 09:35	15°♋16'09	4°46'13
greatest brilliancy	-2075 Jan 21 j 22:35	15°♋03'23	-1.4m
min. Earth dist.	-2075 Jan 25 j 01:12	13°♋50'17	0.65207 AU
direct	-2075 Mar 03 j 16:49	5°♋15'00	
	-2075 May 18 j 14:37	0°♌	
	-2075 Jul 07 j 19:19	0°♍	
desc. node	-2075 Jul 25 j 16:37	11°♍58'43	
	-2075 Aug 20 j 06:40	0°♎	
	-2075 Sep 29 j 12:13	0°♏	
	-2075 Nov 07 j 02:51	0°♐	
	-2075 Dec 15 j 07:41	0°♑	
evening set	-2074 Jan 15 j 20:00	24°♑25'31	
	-2074 Jan 23 j 03:12	0°♒	
	-2074 Mar 04 j 08:41	0°♓	
conjunction	-2074 Mar 19 j 05:45	10°♓45'15	-0°40'55
minimum elong	-2074 Mar 19 j 08:00	10°♓49'16	0°40'54
	-2074 Apr 15 j 12:57	0°♈	
max. Earth dist.	-2074 Apr 26 j 08:48	7°♈27'45	2.52752 AU
morning rise	-2074 May 15 j 10:36	20°♈23'36	
	-2074 May 29 j 20:57	0°♉	
asc. node	-2074 May 30 j 06:28	0°♉15'43	
	-2074 Jul 15 j 08:01	0°♊	
	-2074 Sep 02 j 02:07	0°♋	
	-2074 Oct 24 j 20:01	0°♌	
	-2073 Jan 07 j 20:55	0°♍	
retrograde	-2073 Jan 24 j 00:22	1°♍30'02	
	-2073 Feb 08 j 09:52	30°℞♌	
opposition	-2073 Mar 01 j 17:35	23°♌33'20	4°14'58
greatest brilliancy	-2073 Mar 02 j 20:23	23°♌08'28	-1.8m
min. Earth dist.	-2073 Mar 09 j 00:28	20°♌51'36	0.56713 AU
direct	-2073 Apr 10 j 22:31	14°♌01'50	
	-2073 Jun 05 j 13:41	0°♍	
desc. node	-2073 Jun 12 j 15:28	3°♍36'39	
	-2073 Jul 26 j 05:51	0°♎	
	-2073 Sep 06 j 15:29	0°♏	
	-2073 Oct 16 j 07:19	0°♐	
	-2073 Nov 24 j 06:05	0°♑	
	-2072 Jan 02 j 18:09	0°♒	
	-2072 Feb 12 j 15:50	0°♓	
evening set	-2072 Mar 14 j 19:41	21°♓59'27	
	-2072 Mar 26 j 10:24	0°♈	
asc. node	-2072 Apr 16 j 04:38	14°♈05'17	
conjunction	-2072 May 07 j 06:26	28°♈07'07	0°12'14
minimum elong	-2072 May 07 j 05:52	28°♈06'12	0°12'15
behind sun begin	-2072 May 06 j 16:20	27°♈43'51	
behind sun end	-2072 May 07 j 19:25	28°♈28'32	
	-2072 May 10 j 02:55	0°♉	
max. Earth dist.	-2072 May 25 j 13:05	10°♉05'58	2.62496 AU
morning rise	-2072 Jun 25 j 12:54	0°♊05'39	
	-2072 Jun 25 j 09:22	0°♊	
	-2072 Aug 11 j 18:21	0°♋	
	-2072 Sep 29 j 01:33	0°♌	
	-2072 Nov 18 j 00:18	0°♍	
	-2071 Jan 12 j 07:52	0°♎	
retrograde	-2071 Mar 21 j 00:38	20°♎06'41	
opposition	-2071 Apr 22 j 16:45	14°♎01'27	0°25'49
greatest brilliancy	-2071 Apr 22 j 20:39	13°♎58'23	-2.5m
desc. node	-2071 Apr 29 j 15:12	11°♎49'58	
min. Earth dist.	-2071 Apr 30 j 14:49	11°♎31'46	0.43878 AU
direct	-2071 May 28 j 07:58	6°♎41'18	
	-2071 Aug 02 j 15:13	0°♏	
	-2071 Sep 17 j 17:56	0°♐	
	-2071 Oct 29 j 17:58	0°♑	
	-2071 Dec 10 j 07:43	0°♒	
	-2070 Jan 21 j 19:55	0°♓	
asc. node	-2070 Mar 04 j 02:31	28°♓09'50	
	-2070 Mar 06 j 20:18	0°♈	
	-2070 Apr 21 j 09:28	0°♉	
evening set	-2070 Apr 29 j 11:19	5°♉14'07	
	-2070 Jun 07 j 00:51	0°♊	
conjunction	-2070 Jun 16 j 17:59	6°♊12'04	0°52'30
minimum elong	-2070 Jun 16 j 16:43	6°♊10'02	0°52'32
max. Earth dist.	-2070 Jun 19 j 01:48	7°♊41'05	2.66995 AU
	-2070 Jul 24 j 01:51	0°♋	
morning rise	-2070 Aug 01 j 07:59	5°♋16'10	
	-2070 Sep 08 j 21:44	0°♌	
	-2070 Oct 25 j 05:47	0°♍	
	-2070 Dec 10 j 05:36	0°♎	
	-2069 Jan 25 j 12:02	0°♏	
	-2069 Mar 14 j 20:43	0°♐	
desc. node	-2069 Mar 17 j 14:39	1°♐36'24	
	-2069 May 18 j 16:51	0°♑	
retrograde	-2069 Jun 07 j 21:48	2°♑37'12	
	-2069 Jun 28 j 12:04	30°℞♐	
min. Earth dist.	-2069 Jul 06 j 03:59	28°♐02'06	0.37849 AU
opposition	-2069 Jul 08 j 22:29	27°♐16'55	-6°30'02
greatest brilliancy	-2069 Jul 08 j 07:26	27°♐27'09	-2.9m
direct	-2069 Aug 07 j 15:41	22°♐18'16	
	-2069 Sep 12 j 22:30	0°♑	
	-2069 Nov 09 j 23:16	0°♒	
	-2069 Dec 28 j 08:14	0°♓	
asc. node	-2068 Jan 20 j 01:47	14°♓26'37	
	-2068 Feb 13 j 12:42	0°♈	
	-2068 Mar 31 j 22:21	0°♉	
	-2068 May 18 j 13:28	0°♊	
evening set	-2068 Jun 06 j 18:09	12°♊07'27	
	-2068 Jul 04 j 20:52	0°♋	
max. Earth dist.	-2068 Jul 11 j 18:38	4°♋25'20	2.66053 AU
conjunction	-2068 Jul 23 j 00:18	11°♋38'58	1°10'08
minimum elong	-2068 Jul 23 j 00:02	11°♋38'32	1°10'10
	-2068 Aug 20 j 05:18	0°♌	
morning rise	-2068 Sep 06 j 01:33	11°♌07'12	
	-2068 Oct 04 j 04:49	0°♍	
	-2068 Nov 16 j 17:28	0°♎	
	-2068 Dec 28 j 23:31	0°♏	
desc. node	-2067 Feb 01 j 14:57	25°♏05'54	
	-2067 Feb 08 j 08:17	0°♐	
	-2067 Mar 21 j 13:52	0°♑	
	-2067 May 03 j 09:27	0°♒	
	-2067 Jun 22 j 18:34	0°♓	
retrograde	-2067 Aug 08 j 23:10	13°♓12'29	
min. Earth dist.	-2067 Sep 06 j 19:45	7°♓30'03	0.47801 AU
opposition	-2067 Sep 14 j 20:07	4°♓37'40	-3°58'01
greatest brilliancy	-2067 Sep 13 j 19:00	5°♓00'14	-2.3m
	-2067 Sep 29 j 14:03	30°℞♒	
direct	-2067 Oct 18 j 01:59	27°♒40'14	
	-2067 Nov 06 j 18:29	0°♓	
asc. node	-2067 Dec 07 j 00:42	10°♓11'50	
	-2066 Jan 16 j 09:32	0°♈	
	-2066 Mar 10 j 05:44	0°♉	
	-2066 Apr 29 j 04:26	0°♊	
	-2066 Jun 16 j 10:34	0°♋	
evening set	-2066 Jul 14 j 18:56	18°♋09'25	
	-2066 Aug 01 j 21:31	0°♌	
max. Earth dist.	-2066 Aug 06 j 08:21	2°♌56'39	2.59837 AU
conjunction	-2066 Aug 30 j 19:33	19°♌21'41	0°59'39
minimum elong	-2066 Aug 30 j 20:47	19°♌23'47	0°59'40

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-2066 Sep 15 j 08:13	0°♍	
morning rise	-2066 Oct 17 j 22:40	22°♍54'47	
	-2066 Oct 27 j 19:25	0°♎	
	-2066 Dec 07 j 14:23	0°♏	
desc. node	-2066 Dec 20 j 14:16	9°♏45'52	
	-2065 Jan 16 j 05:18	0°♐	
	-2065 Feb 24 j 08:45	0°♑	
	-2065 Apr 04 j 23:17	0°♒	
	-2065 May 16 j 09:25	0°♓	
	-2065 Jul 01 j 08:01	0°♈	
	-2065 Sep 10 j 04:34	0°♉	
retrograde	-2065 Sep 21 j 10:02	0°♉50'42	
	-2065 Oct 02 j 08:02	30°℞♈	
asc. node	-2065 Oct 24 j 23:04	23°♈21'15	
min. Earth dist.	-2065 Oct 25 j 13:38	23°♈07'00	0.59596 AU
opposition	-2065 Oct 30 j 23:55	20°♈58'02	0°15'23
greatest brilliancy	-2065 Oct 30 j 22:35	20°♈59'22	-1.7m
direct	-2065 Dec 07 j 06:34	12°♈20'14	
	-2064 Feb 08 j 12:08	0°♉	
	-2064 Apr 06 j 05:52	0°♊	
	-2064 May 26 j 23:20	0°♋	
	-2064 Jul 13 j 05:40	0°♌	
evening set	-2064 Aug 24 j 05:16	28°♌17'32	
	-2064 Aug 26 j 16:20	0°♍	
max. Earth dist.	-2064 Sep 08 j 07:12	8°♍50'49	2.48997 AU
	-2064 Oct 07 j 16:22	0°♎	
conjunction	-2064 Oct 14 j 20:43	5°♎17'03	0°15'06
minimum elong	-2064 Oct 14 j 21:33	5°♎18'36	0°15'04
behind sun begin	-2064 Oct 14 j 12:43	5°♎02'18	
behind sun end	-2064 Oct 15 j 06:22	5°♎34'53	
desc. node	-2064 Nov 06 j 12:39	22°♎13'37	
	-2064 Nov 16 j 18:20	0°♏	
morning rise	-2064 Dec 11 j 02:59	18°♏44'29	
	-2064 Dec 25 j 14:33	0°♐	
	-2063 Feb 02 j 00:00	0°♑	
	-2063 Mar 12 j 19:42	0°♒	
	-2063 Apr 22 j 00:15	0°♓	
	-2063 Jun 03 j 15:55	0°♈	
	-2063 Jul 20 j 16:20	0°♉	
asc. node	-2063 Sep 10 j 23:16	26°♉59'07	
	-2063 Sep 18 j 17:22	0°♊	
retrograde	-2063 Oct 26 j 10:41	7°♊42'20	
	-2063 Nov 30 j 03:42	30°℞♉	
min. Earth dist.	-2063 Dec 03 j 20:38	28°♉31'30	0.66353 AU
opposition	-2063 Dec 05 j 13:46	27°♉50'12	3°00'29
greatest brilliancy	-2063 Dec 05 j 08:06	27°♉55'54	-1.4m
direct	-2062 Jan 14 j 11:24	18°♉17'05	
	-2062 Mar 05 j 08:20	0°♊	
	-2062 May 04 j 15:39	0°♋	
	-2062 Jun 23 j 08:23	0°♌	
	-2062 Aug 07 j 11:46	0°♍	
	-2062 Sep 18 j 11:56	0°♎	
desc. node	-2062 Sep 24 j 11:09	4°♎24'37	
evening set	-2062 Oct 14 j 15:48	19°♎34'25	
	-2062 Oct 28 j 07:03	0°♏	
max. Earth dist.	-2062 Dec 02 j 13:50	27°♏29'01	2.37598 AU
	-2062 Dec 05 j 18:38	0°♐	
conjunction	-2062 Dec 15 j 09:11	7°♐34'02	-0°50'34
minimum elong	-2062 Dec 15 j 06:10	7°♐28'06	0°50'36
	-2061 Jan 12 j 20:37	0°♑	
	-2061 Feb 20 j 10:49	0°♒	
morning rise	-2061 Feb 22 j 05:15	1°♒21'14	
	-2061 Apr 01 j 09:17	0°♓	
	-2061 May 13 j 09:21	0°♈	
	-2061 Jun 27 j 03:53	0°♉	
asc. node	-2061 Jul 29 j 23:15	20°♉31'44	
	-2061 Aug 14 j 23:20	0°♊	
	-2061 Oct 13 j 03:03	0°♋	
retrograde	-2061 Nov 30 j 05:39	11°♋17'43	
opposition	-2060 Jan 08 j 17:35	1°♋56'20	4°30'51
greatest brilliancy	-2060 Jan 08 j 23:56	1°♋50'03	-1.3m
min. Earth dist.	-2060 Jan 10 j 20:44	1°♋05'40	0.66809 AU
	-2060 Jan 13 j 15:35	30°℞♊	
direct	-2060 Feb 18 j 22:22	21°♊57'17	
	-2060 Mar 29 j 16:12	0°♋	
	-2060 May 29 j 23:28	0°♌	
	-2060 Jul 16 j 15:39	0°♍	
desc. node	-2060 Aug 11 j 10:01	17°♍46'27	
	-2060 Aug 28 j 10:08	0°♎	
	-2060 Oct 07 j 09:33	0°♏	
	-2060 Nov 14 j 21:09	0°♐	
evening set	-2060 Dec 19 j 17:31	27°♐27'24	
	-2060 Dec 22 j 23:13	0°♑	
	-2059 Jan 30 j 15:20	0°♒	
conjunction	-2059 Feb 23 j 07:11	17°♒52'25	-0°58'05
minimum elong	-2059 Feb 23 j 09:35	17°♒56'52	0°58'05
	-2059 Mar 11 j 17:01	0°♓	
max. Earth dist.	-2059 Apr 10 j 11:19	21°♓23'56	2.47760 AU
	-2059 Apr 22 j 17:54	0°♈	
morning rise	-2059 Apr 25 j 23:03	2°♈13'51	
	-2059 Jun 06 j 01:21	0°♉	
asc. node	-2059 Jun 15 j 21:39	6°♉27'25	
	-2059 Jul 22 j 19:16	0°♊	
	-2059 Sep 10 j 16:26	0°♋	
	-2059 Nov 07 j 00:30	0°♌	
retrograde	-2058 Jan 06 j 16:38	16°♌25'31	
opposition	-2058 Feb 13 j 10:56	7°♌58'37	4°41'53
greatest brilliancy	-2058 Feb 14 j 09:48	7°♌36'47	-1.6m
min. Earth dist.	-2058 Feb 19 j 09:44	5°♌42'36	0.60753 AU
	-2058 Mar 09 j 13:57	30°℞♋	
direct	-2058 Mar 26 j 09:11	28°♋07'47	
	-2058 Apr 12 j 23:21	0°♌	
	-2058 Jun 20 j 13:31	0°♍	
desc. node	-2058 Jun 29 j 08:03	5°♍18'25	
	-2058 Aug 05 j 16:33	0°♎	
	-2058 Sep 15 j 20:33	0°♏	
	-2058 Oct 24 j 22:34	0°♐	
	-2058 Dec 02 j 11:40	0°♑	
	-2057 Jan 10 j 14:58	0°♒	
	-2057 Feb 20 j 04:19	0°♓	
evening set	-2057 Feb 22 j 20:14	1°♓55'28	
	-2057 Apr 03 j 15:26	0°♈	
conjunction	-2057 Apr 20 j 09:46	11°♈27'42	-0°07'59
minimum elong	-2057 Apr 20 j 10:10	11°♈28'23	0°07'57
behind sun begin	-2057 Apr 19 j 14:31	10°♈55'05	
behind sun end	-2057 Apr 21 j 05:49	12°♈01'40	
asc. node	-2057 May 03 j 20:33	20°♈31'10	
max. Earth dist.	-2057 May 16 j 00:49	28°♈37'13	2.59275 AU
	-2057 May 18 j 02:54	0°♉	
morning rise	-2057 Jun 11 j 03:48	15°♉43'12	
	-2057 Jul 03 j 08:56	0°♊	
	-2057 Aug 20 j 02:29	0°♋	
	-2057 Oct 08 j 12:37	0°♌	
	-2057 Nov 30 j 18:24	0°♍	
retrograde	-2056 Feb 25 j 01:47	29°♍09'43	
opposition	-2056 Mar 30 j 13:20	22°♍15'17	2°30'42
greatest brilliancy	-2056 Mar 31 j 10:30	21°♍57'08	-2.2m
min. Earth dist.	-2056 Apr 08 j 02:18	19°♍20'06	0.49028 AU
direct	-2056 May 07 j 14:00	13°♍46'48	
desc. node	-2056 May 16 j 07:32	14°♍17'52	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-2056 Jun 30 j 20:16	0°♎	
	-2056 Aug 18 j 17:54	0°♏	
	-2056 Sep 29 j 14:36	0°♐	
	-2056 Nov 08 j 19:38	0°♑	
	-2056 Dec 19 j 06:15	0°♒	
	-2055 Jan 29 j 22:38	0°♓	
	-2055 Mar 14 j 08:10	0°♈	
asc. node	-2055 Mar 20 j 18:47	4°♈21'00	
evening set	-2055 Apr 12 j 19:40	19°♈42'59	
	-2055 Apr 28 j 11:07	0°♉	
conjunction	-2055 Jun 01 j 16:21	22°♉10'17	0°39'16
minimum elong	-2055 Jun 01 j 15:05	22°♉08'15	0°39'18
max. Earth dist.	-2055 Jun 09 j 20:03	27°♉24'22	2.65884 AU
	-2055 Jun 13 j 21:16	0°♊	
morning rise	-2055 Jul 18 j 07:03	21°♊56'20	
	-2055 Jul 30 j 23:26	0°♋	
	-2055 Sep 16 j 05:20	0°♌	
	-2055 Nov 02 j 12:55	0°♍	
	-2055 Dec 20 j 12:29	0°♎	
	-2054 Feb 09 j 04:53	0°♏	
desc. node	-2054 Apr 03 j 08:34	25°♏12'33	
	-2054 Apr 20 j 20:22	0°♐	
retrograde	-2054 May 07 j 05:23	1°♐36'42	
	-2054 May 23 j 08:50	30°℞♏	
opposition	-2054 Jun 06 j 13:18	26°♏34'52	-4°19'04
greatest brilliancy	-2054 Jun 06 j 21:15	26°♏29'32	-2.9m
min. Earth dist.	-2054 Jun 09 j 07:19	25°♏50'35	0.38126 AU
direct	-2054 Jul 07 j 12:43	21°♏14'40	
	-2054 Aug 14 j 18:15	0°♐	
	-2054 Oct 08 j 14:15	0°♑	
	-2054 Nov 23 j 12:00	0°♒	
	-2053 Jan 07 j 09:28	0°♓	
asc. node	-2053 Feb 05 j 16:31	19°♓23'04	
	-2053 Feb 21 j 21:34	0°♈	
	-2053 Apr 09 j 09:08	0°♉	
evening set	-2053 May 23 j 21:49	28°♉20'28	
	-2053 May 26 j 12:34	0°♊	
max. Earth dist.	-2053 Jul 03 j 15:32	24°♊14'19	2.67070 AU
conjunction	-2053 Jul 09 j 14:53	28°♊03'11	1°06'19
minimum elong	-2053 Jul 09 j 14:06	28°♊01'56	1°06'21
	-2053 Jul 12 j 15:57	0°♋	
morning rise	-2053 Aug 23 j 12:10	26°♋59'00	
	-2053 Aug 28 j 03:15	0°♌	
	-2053 Oct 12 j 12:37	0°♍	
	-2053 Nov 25 j 18:44	0°♎	
	-2052 Jan 08 j 02:02	0°♏	
desc. node	-2052 Feb 19 j 07:51	29°♏35'58	
	-2052 Feb 19 j 21:34	0°♐	
	-2052 Apr 03 j 08:31	0°♑	
	-2052 May 21 j 13:02	0°♒	
retrograde	-2052 Jul 18 j 16:52	18°♒56'41	
min. Earth dist.	-2052 Aug 14 j 17:05	14°♒04'21	0.42835 AU
greatest brilliancy	-2052 Aug 21 j 00:01	12°♒02'08	-2.6m
opposition	-2052 Aug 22 j 09:24	11°♒34'50	-5°44'26
direct	-2052 Sep 22 j 21:15	5°♒31'54	
	-2052 Dec 05 j 17:58	0°♓	
asc. node	-2052 Dec 23 j 16:02	9°♓39'27	
	-2051 Jan 27 j 23:42	0°♈	
	-2051 Mar 18 j 19:51	0°♉	
	-2051 May 06 j 14:40	0°♊	
	-2051 Jun 23 j 09:37	0°♋	
evening set	-2051 Jun 29 j 21:54	4°♋09'07	
max. Earth dist.	-2051 Jul 26 j 21:42	21°♋34'12	2.62867 AU
	-2051 Aug 08 j 18:21	0°♌	
conjunction	-2051 Aug 15 j 06:36	4°♌18'16	1°07'27
minimum elong	-2051 Aug 15 j 07:18	4°♌19'25	1°07'28
	-2051 Sep 22 j 08:43	0°♍	
morning rise	-2051 Sep 30 j 15:46	5°♍43'03	
	-2051 Nov 04 j 04:01	0°♎	
	-2051 Dec 15 j 09:50	0°♏	
desc. node	-2050 Jan 06 j 06:26	16°♏15'49	
	-2050 Jan 24 j 13:04	0°♐	
	-2050 Mar 05 j 05:41	0°♑	
	-2050 Apr 14 j 12:43	0°♒	
	-2050 May 27 j 06:53	0°♓	
	-2050 Jul 17 j 04:24	0°♈	
retrograde	-2050 Sep 05 j 19:53	14°♈19'13	
min. Earth dist.	-2050 Oct 07 j 23:49	7°♈19'11	0.55404 AU
opposition	-2050 Oct 14 j 17:09	4°♈43'06	-1°12'56
greatest brilliancy	-2050 Oct 14 j 10:27	4°♈49'34	-1.9m
	-2050 Oct 28 j 03:53	30°℞♓	
asc. node	-2050 Nov 10 j 15:42	27°♓09'42	
direct	-2050 Nov 19 j 13:50	26°♓38'05	
	-2050 Dec 13 j 21:16	0°♈	
	-2049 Feb 21 j 17:17	0°♉	
	-2049 Apr 15 j 23:33	0°♊	
	-2049 Jun 04 j 11:02	0°♋	
	-2049 Jul 21 j 07:41	0°♌	
evening set	-2049 Aug 08 j 08:31	11°♌59'28	
max. Earth dist.	-2049 Aug 25 j 08:56	23°♌32'51	2.53695 AU
	-2049 Sep 03 j 17:19	0°♍	
conjunction	-2049 Sep 26 j 14:30	16°♍06'11	0°36'37
minimum elong	-2049 Sep 26 j 16:00	16°♍08'51	0°36'37
	-2049 Oct 15 j 20:54	0°♎	
morning rise	-2049 Nov 18 j 08:52	24°♎51'04	
desc. node	-2049 Nov 24 j 05:49	29°♎17'20	
	-2049 Nov 25 j 04:20	0°♏	
	-2048 Jan 03 j 06:27	0°♐	
	-2048 Feb 10 j 21:09	0°♑	
	-2048 Mar 20 j 21:33	0°♒	
	-2048 Apr 30 j 08:40	0°♓	
	-2048 Jun 12 j 16:21	0°♈	
	-2048 Aug 01 j 03:22	0°♉	
asc. node	-2048 Sep 27 j 14:42	22°♉46'30	
retrograde	-2048 Oct 12 j 20:55	24°♉14'24	
min. Earth dist.	-2048 Nov 18 j 18:24	15°♉33'56	0.64435 AU
opposition	-2048 Nov 21 j 22:55	14°♉17'12	2°06'09
greatest brilliancy	-2048 Nov 21 j 16:10	14°♉23'59	-1.5m
direct	-2048 Dec 30 j 23:45	5°♉01'44	
	-2047 Mar 20 j 00:01	0°♊	
	-2047 May 13 j 14:21	0°♋	
	-2047 Jul 01 j 01:06	0°♌	
	-2047 Aug 14 j 19:47	0°♍	
evening set	-2047 Sep 22 j 21:03	27°♍51'27	
	-2047 Sep 25 j 19:06	0°♎	
desc. node	-2047 Oct 11 j 04:07	11°♎24'47	
max. Earth dist.	-2047 Oct 12 j 19:01	12°♎37'40	2.41298 AU
	-2047 Nov 04 j 16:13	0°♏	
conjunction	-2047 Nov 19 j 03:08	11°♏09'11	-0°26'11
minimum elong	-2047 Nov 19 j 01:17	11°♏05'36	0°26'11
	-2047 Dec 13 j 06:28	0°♐	
	-2046 Jan 20 j 10:29	0°♑	
morning rise	-2046 Jan 23 j 17:26	2°♑34'44	
	-2046 Feb 28 j 01:32	0°♒	
	-2046 Apr 09 j 00:28	0°♓	
	-2046 May 21 j 03:06	0°♈	
	-2046 Jul 05 j 09:15	0°♉	
asc. node	-2046 Aug 15 j 14:13	24°♉44'36	
	-2046 Aug 25 j 03:22	0°♊	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

retrograde	-2046 Nov 16 j 13:34	28°♊29'32	
opposition	-2046 Dec 26 j 10:38	18°♊53'30	4°04'13
greatest brilliancy	-2046 Dec 26 j 11:09	18°♊52'59	-1.3m
min. Earth dist.	-2046 Dec 27 j 01:41	18°♊38'29	0.67408 AU
direct	-2045 Feb 05 j 07:13	9°♊01'17	
	-2045 Apr 16 j 12:42	0°♋	
	-2045 Jun 09 j 12:00	0°♌	
	-2045 Jul 25 j 19:36	0°♍	
desc. node	-2045 Aug 29 j 02:17	24°♍06'27	
	-2045 Sep 06 j 04:20	0°♎	
	-2045 Oct 16 j 00:46	0°♏	
evening set	-2045 Nov 23 j 04:29	29°♏46'17	
	-2045 Nov 23 j 11:27	0°♐	
	-2045 Dec 31 j 12:39	0°♑	
conjunction	-2044 Jan 28 j 13:35	21°♑52'24	-1°06'17
minimum elong	-2044 Jan 28 j 13:58	21°♑53'07	1°06'20
	-2044 Feb 08 j 02:59	0°♒	
max. Earth dist.	-2044 Mar 18 j 19:17	29°♒47'24	2.42459 AU
	-2044 Mar 19 j 02:09	0°♓	
morning rise	-2044 Apr 03 j 17:08	11°♓21'36	
	-2044 Apr 30 j 00:59	0°♈	
	-2044 Jun 13 j 09:38	0°♉	
asc. node	-2044 Jul 02 j 13:48	12°♉25'46	
	-2044 Jul 30 j 15:00	0°♊	
	-2044 Sep 20 j 08:43	0°♋	
	-2044 Dec 01 j 02:19	0°♌	
retrograde	-2044 Dec 21 j 22:00	2°♌26'14	
	-2043 Jan 10 j 09:59	30°℞♋	
opposition	-2043 Jan 29 j 12:23	23°♋34'31	4°48'56
greatest brilliancy	-2043 Jan 30 j 05:08	23°♋18'14	-1.4m
min. Earth dist.	-2043 Feb 03 j 00:13	21°♋49'47	0.63904 AU
direct	-2043 Mar 11 j 19:01	13°♋34'43	
	-2043 May 09 j 13:16	0°♌	
	-2043 Jul 01 j 15:51	0°♍	
desc. node	-2043 Jul 16 j 01:52	9°♍23'36	
	-2043 Aug 14 j 20:40	0°♎	
	-2043 Sep 24 j 08:41	0°♏	
	-2043 Nov 02 j 02:27	0°♐	
	-2043 Dec 10 j 09:17	0°♑	
	-2042 Jan 18 j 06:25	0°♒	
evening set	-2042 Jan 30 j 08:50	9°♒08'31	
	-2042 Feb 27 j 13:36	0°♓	
conjunction	-2042 Mar 31 j 15:17	22°♓54'52	-0°29'05
minimum elong	-2042 Mar 31 j 16:55	22°♓57'43	0°29'05
	-2042 Apr 10 j 19:13	0°♈	
max. Earth dist.	-2042 May 04 j 02:31	15°♈56'34	2.55296 AU
asc. node	-2042 May 20 j 11:32	26°♈54'47	
morning rise	-2042 May 25 j 15:21	0°♉19'52	
	-2042 May 25 j 03:20	0°♉	
	-2042 Jul 10 j 11:08	0°♊	
	-2042 Aug 27 j 17:48	0°♋	
	-2042 Oct 17 j 21:45	0°♌	
	-2042 Dec 17 j 10:41	0°♍	
retrograde	-2041 Feb 03 j 19:14	11°♍12'55	
opposition	-2041 Mar 11 j 20:03	3°♍35'58	3°46'54
greatest brilliancy	-2041 Mar 12 j 22:58	3°♍11'33	-1.9m
min. Earth dist.	-2041 Mar 19 j 17:59	0°♍44'15	0.54152 AU
	-2041 Mar 21 j 20:40	30°℞♌	
direct	-2041 Apr 20 j 11:11	24°♌21'19	
	-2041 May 21 j 04:27	0°♍	
desc. node	-2041 Jun 03 j 00:51	4°♍59'44	
	-2041 Jul 18 j 15:56	0°♎	
	-2041 Aug 31 j 09:53	0°♏	
	-2041 Oct 10 j 14:55	0°♐	
	-2041 Nov 18 j 21:34	0°♑	
	-2041 Dec 28 j 15:17	0°♒	
	-2040 Feb 07 j 17:38	0°♓	
	-2040 Mar 21 j 15:51	0°♈	
evening set	-2040 Mar 25 j 20:22	2°♈51'26	
asc. node	-2040 Apr 06 j 09:47	10°♈40'54	
	-2040 May 05 j 10:48	0°♉	
conjunction	-2040 May 16 j 20:31	7°♉28'12	0°22'58
minimum elong	-2040 May 16 j 19:35	7°♉26'41	0°23'00
max. Earth dist.	-2040 May 31 j 10:36	16°♉56'39	2.63934 AU
	-2040 Jun 20 j 17:33	0°♊	
morning rise	-2040 Jul 04 j 00:24	8°♊29'02	
	-2040 Aug 06 j 23:11	0°♋	
	-2040 Sep 23 j 19:18	0°♌	
	-2040 Nov 11 j 13:25	0°♍	
	-2039 Jan 02 j 01:38	0°♎	
	-2039 Mar 09 j 19:04	0°♏	
retrograde	-2039 Apr 05 j 21:13	4°♏06'32	
desc. node	-2039 Apr 19 j 23:53	2°♏52'41	
	-2039 May 02 j 10:12	30°℞♎	
opposition	-2039 May 07 j 15:27	28°♎28'55	-1°09'42
greatest brilliancy	-2039 May 07 j 22:10	28°♎23'55	-2.7m
min. Earth dist.	-2039 May 14 j 09:03	26°♎29'05	0.41329 AU
direct	-2039 Jun 10 j 13:26	21°♎54'27	
	-2039 Jul 16 j 17:51	0°♏	
	-2039 Sep 08 j 18:14	0°♐	
	-2039 Oct 22 j 17:34	0°♑	
	-2039 Dec 04 j 07:02	0°♒	
	-2038 Jan 16 j 09:58	0°♓	
asc. node	-2038 Feb 22 j 08:57	25°♓01'38	
	-2038 Mar 01 j 20:02	0°♈	
	-2038 Apr 16 j 15:22	0°♉	
evening set	-2038 May 08 j 13:55	14°♉07'28	
	-2038 Jun 02 j 09:57	0°♊	
max. Earth dist.	-2038 Jun 24 j 11:26	14°♊03'31	2.67249 AU
conjunction	-2038 Jun 25 j 04:21	14°♊30'29	0°58'38
minimum elong	-2038 Jun 25 j 03:12	14°♊28'38	0°58'40
	-2038 Jul 19 j 11:18	0°♋	
morning rise	-2038 Aug 09 j 09:20	13°♋23'40	
	-2038 Sep 04 j 03:36	0°♌	
	-2038 Oct 20 j 02:29	0°♍	
	-2038 Dec 04 j 08:43	0°♎	
	-2037 Jan 18 j 06:31	0°♏	
	-2037 Mar 04 j 17:49	0°♐	
desc. node	-2037 Mar 08 j 00:16	2°♐06'32	
	-2037 Apr 23 j 04:38	0°♑	
retrograde	-2037 Jun 24 j 09:24	20°♑29'25	
min. Earth dist.	-2037 Jul 21 j 04:44	16°♑04'00	0.39004 AU
greatest brilliancy	-2037 Jul 25 j 09:03	14°♑52'33	-2.8m
opposition	-2037 Jul 26 j 12:24	14°♑32'59	-6°44'33
direct	-2037 Aug 25 j 10:22	9°♑20'25	
	-2037 Oct 29 j 14:53	0°♒	
	-2037 Dec 21 j 02:56	0°♓	
asc. node	-2036 Jan 10 j 07:51	12°♓21'46	
	-2036 Feb 07 j 18:08	0°♈	
	-2036 Mar 26 j 20:10	0°♉	
	-2036 May 13 j 19:29	0°♊	
evening set	-2036 Jun 15 j 05:02	20°♊25'14	
	-2036 Jun 30 j 06:29	0°♋	
max. Earth dist.	-2036 Jul 17 j 07:02	10°♋55'02	2.65134 AU
conjunction	-2036 Jul 31 j 09:17	20°♋02'30	1°10'26
minimum elong	-2036 Jul 31 j 09:22	20°♋02'38	1°10'27
	-2036 Aug 15 j 14:52	0°♌	
morning rise	-2036 Sep 14 j 18:04	20°♌02'23	
	-2036 Sep 29 j 11:04	0°♍	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-2036 Nov 11 j 17:18	0°♎	
	-2036 Dec 23 j 13:52	0°♏	
desc. node	-2035 Jan 22 j 23:24	22°♏16'29	
	-2035 Feb 02 j 10:21	0°♐	
	-2035 Mar 14 j 23:11	0°♑	
	-2035 Apr 25 j 11:52	0°♒	
	-2035 Jun 10 j 07:35	0°♓	
retrograde	-2035 Aug 19 j 16:08	25°♓35'06	
min. Earth dist.	-2035 Sep 18 j 16:50	19°♓24'31	0.50590 AU
opposition	-2035 Sep 26 j 10:37	16°♓32'09	-2°55'10
greatest brilliancy	-2035 Sep 25 j 16:28	16°♓49'00	-2.1m
direct	-2035 Oct 30 j 16:01	9°♓08'14	
asc. node	-2035 Nov 27 j 06:43	13°♓28'17	
	-2034 Jan 07 j 07:26	0°♈	
	-2034 Mar 04 j 04:02	0°♉	
	-2034 Apr 24 j 01:13	0°♊	
	-2034 Jun 11 j 16:40	0°♋	
evening set	-2034 Jul 23 j 12:51	26°♋52'32	
	-2034 Jul 28 j 06:57	0°♌	
max. Earth dist.	-2034 Aug 12 j 20:29	10°♌20'36	2.57815 AU
conjunction	-2034 Sep 09 j 04:21	28°♌56'05	0°52'46
minimum elong	-2034 Sep 09 j 05:49	28°♌58'35	0°52'46
	-2034 Sep 10 j 17:21	0°♍	
	-2034 Oct 23 j 01:56	0°♎	
morning rise	-2034 Oct 28 j 16:25	4°♎04'16	
	-2034 Dec 02 j 16:42	0°♏	
desc. node	-2034 Dec 10 j 21:54	6°♏11'43	
	-2033 Jan 11 j 02:44	0°♐	
	-2033 Feb 19 j 01:05	0°♑	
	-2033 Mar 30 j 09:13	0°♒	
	-2033 May 10 j 07:59	0°♓	
	-2033 Jun 23 j 21:50	0°♈	
	-2033 Aug 18 j 13:01	0°♉	
retrograde	-2033 Sep 29 j 19:37	9°♉56'44	
asc. node	-2033 Oct 15 j 06:09	8°♉16'32	
min. Earth dist.	-2033 Nov 03 j 23:52	1°♉51'26	0.61566 AU
opposition	-2033 Nov 08 j 15:16	0°♉00'26	0°59'48
greatest brilliancy	-2033 Nov 08 j 10:41	0°♉05'00	-1.6m
	-2033 Nov 08 j 15:42	30°℞♈	
direct	-2033 Dec 16 j 14:37	21°♈07'36	
	-2032 Jan 27 j 18:59	0°♉	
	-2032 Mar 30 j 23:28	0°♊	
	-2032 May 21 j 19:25	0°♋	
	-2032 Jul 08 j 11:07	0°♌	
	-2032 Aug 22 j 00:47	0°♍	
evening set	-2032 Sep 03 j 10:03	8°♍40'24	
max. Earth dist.	-2032 Sep 18 j 07:21	19°♍17'35	2.46228 AU
	-2032 Oct 03 j 00:52	0°♎	
conjunction	-2032 Oct 26 j 19:35	17°♎40'59	0°00'45
minimum elong	-2032 Oct 26 j 19:40	17°♎41'08	0°00'44
behind sun begin	-2032 Oct 25 j 19:54	16°♎56'26	
behind sun end	-2032 Oct 27 j 19:26	18°♎25'53	
desc. node	-2032 Oct 27 j 21:46	18°♎30'16	
	-2032 Nov 12 j 01:05	0°♏	
	-2032 Dec 20 j 18:50	0°♐	
morning rise	-2032 Dec 26 j 02:05	4°♐08'52	
	-2031 Jan 28 j 01:50	0°♑	
	-2031 Mar 07 j 18:59	0°♒	
	-2031 Apr 16 j 20:09	0°♓	
	-2031 May 29 j 04:51	0°♈	
	-2031 Jul 14 j 07:47	0°♉	
asc. node	-2031 Sep 01 j 05:27	27°♉14'49	
	-2031 Sep 07 j 00:59	0°♊	
retrograde	-2031 Nov 03 j 03:33	15°♊38'54	
min. Earth dist.	-2031 Dec 12 j 08:58	6°♊12'35	0.67018 AU
opposition	-2031 Dec 13 j 05:52	5°♊51'39	3°27'01
greatest brilliancy	-2031 Dec 13 j 01:52	5°♊55'39	-1.3m
	-2031 Dec 29 j 03:33	30°℞♉	
direct	-2030 Jan 22 j 13:12	26°♉10'34	
	-2030 Feb 18 j 03:22	0°♊	
	-2030 Apr 28 j 04:13	0°♋	
	-2030 Jun 18 j 01:35	0°♌	
	-2030 Aug 02 j 14:16	0°♍	
	-2030 Sep 13 j 17:49	0°♎	
desc. node	-2030 Sep 14 j 20:28	0°♎49'01	
	-2030 Oct 23 j 13:37	0°♏	
evening set	-2030 Oct 28 j 02:22	3°♏29'40	
	-2030 Dec 01 j 00:45	0°♐	
conjunction	-2030 Dec 31 j 03:01	23°♐44'09	-1°00'19
minimum elong	-2030 Dec 31 j 00:34	23°♐39'20	1°00'21
	-2029 Jan 08 j 02:01	0°♑	
max. Earth dist.	-2029 Jan 31 j 06:10	18°♑07'18	2.37907 AU
	-2029 Feb 15 j 15:21	0°♒	
morning rise	-2029 Mar 10 j 02:29	17°♒03'05	
	-2029 Mar 27 j 12:46	0°♓	
	-2029 May 08 j 10:51	0°♈	
	-2029 Jun 21 j 23:25	0°♉	
asc. node	-2029 Jul 20 j 04:13	17°♉56'44	
	-2029 Aug 08 j 23:58	0°♊	
	-2029 Oct 03 j 03:38	0°♋	
retrograde	-2029 Dec 08 j 07:08	19°♋11'23	
opposition	-2028 Jan 16 j 12:52	9°♋59'35	4°41'02
greatest brilliancy	-2028 Jan 16 j 22:54	9°♋49'42	-1.3m
min. Earth dist.	-2028 Jan 19 j 12:37	8°♋48'58	0.66059 AU
	-2028 Feb 24 j 22:55	30°℞♊	
direct	-2028 Feb 26 j 20:11	29°♊58'40	
	-2028 Feb 28 j 17:45	0°♋	
	-2028 May 23 j 00:05	0°♌	
	-2028 Jul 11 j 01:31	0°♍	
desc. node	-2028 Aug 01 j 18:26	14°♍43'13	
	-2028 Aug 23 j 06:37	0°♎	
	-2028 Oct 02 j 10:12	0°♏	
	-2028 Nov 09 j 23:46	0°♐	
	-2028 Dec 18 j 03:11	0°♑	
evening set	-2027 Jan 04 j 04:13	13°♑18'16	
	-2027 Jan 25 j 20:20	0°♒	
	-2027 Mar 06 j 22:51	0°♓	
conjunction	-2027 Mar 09 j 04:51	1°♓38'36	-0°48'59
minimum elong	-2027 Mar 09 j 07:22	1°♓43'11	0°48'58
	-2027 Apr 18 j 00:10	0°♈	
max. Earth dist.	-2027 Apr 20 j 00:11	1°♈23'24	2.50573 AU
morning rise	-2027 May 07 j 08:16	13°♈17'48	
	-2027 Jun 01 j 06:13	0°♉	
asc. node	-2027 Jun 06 j 03:45	3°♉13'42	
	-2027 Jul 17 j 18:28	0°♊	
	-2027 Sep 04 j 21:21	0°♋	
	-2027 Oct 29 j 01:30	0°♌	
retrograde	-2026 Jan 16 j 07:33	25°♌19'03	
opposition	-2026 Feb 22 j 13:09	17°♌08'03	4°28'46
greatest brilliancy	-2026 Feb 23 j 14:36	16°♌44'08	-1.7m
min. Earth dist.	-2026 Mar 01 j 06:53	14°♌36'21	0.58632 AU
direct	-2026 Apr 04 j 03:46	7°♌26'11	
	-2026 Jun 12 j 01:20	0°♍	
desc. node	-2026 Jun 19 j 17:09	4°♍16'59	
	-2026 Jul 30 j 08:56	0°♎	
	-2026 Sep 10 j 04:53	0°♏	
	-2026 Oct 19 j 14:12	0°♐	
	-2026 Nov 27 j 08:06	0°♑	
	-2025 Jan 05 j 15:11	0°♒	
	-2025 Feb 15 j 07:51	0°♓	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

evening set	-2025 Mar 07 j 00:58	14°♓03'54	
	-2025 Mar 29 j 21:45	0°♈	
asc. node	-2025 Apr 24 j 02:29	17°♈07'32	
conjunction	-2025 Apr 30 j 19:12	21°♈36'30	0°03'58
minimum elong	-2025 Apr 30 j 19:02	21°♈36'13	0°03'59
behind sun begin	-2025 Apr 29 j 21:52	21°♈00'54	
behind sun end	-2025 May 01 j 16:12	22°♈11'31	
	-2025 May 13 j 10:39	0°♉	
max. Earth dist.	-2025 May 22 j 07:22	5°♉49'44	2.61153 AU
morning rise	-2025 Jun 20 j 02:12	24°♉30'27	
	-2025 Jun 28 j 15:47	0°♊	
	-2025 Aug 15 j 03:27	0°♋	
	-2025 Oct 02 j 20:22	0°♌	
	-2025 Nov 22 j 22:16	0°♍	
	-2024 Jan 22 j 02:14	0°♎	
retrograde	-2024 Mar 09 j 15:46	11°♎01'05	
opposition	-2024 Apr 12 j 03:26	4°♎33'01	1°26'04
greatest brilliancy	-2024 Apr 12 j 16:12	4°♎22'30	-2.4m
min. Earth dist.	-2024 Apr 20 j 12:34	1°♎47'53	0.46152 AU
	-2024 Apr 26 j 11:59	30°℞♍	
desc. node	-2024 May 06 j 16:58	27°♍41'30	
direct	-2024 May 18 j 22:44	26°♍39'12	
	-2024 Jun 10 j 13:46	0°♎	
	-2024 Aug 09 j 23:00	0°♏	
	-2024 Sep 22 j 16:29	0°♐	
	-2024 Nov 02 j 17:45	0°♑	
	-2024 Dec 13 j 17:05	0°♒	
	-2023 Jan 24 j 18:25	0°♓	
	-2023 Mar 09 j 10:38	0°♈	
asc. node	-2023 Mar 11 j 00:34	1°♈03'51	
evening set	-2023 Apr 22 j 11:23	29°♈10'03	
	-2023 Apr 23 j 18:01	0°♉	
	-2023 Jun 09 j 06:20	0°♊	
conjunction	-2023 Jun 10 j 09:28	0°♊43'24	0°47'21
minimum elong	-2023 Jun 10 j 08:09	0°♊41'18	0°47'23
max. Earth dist.	-2023 Jun 15 j 05:52	3°♊49'25	2.66600 AU
morning rise	-2023 Jul 26 j 09:06	0°♋02'29	
	-2023 Jul 26 j 07:33	0°♋	
	-2023 Sep 11 j 07:29	0°♌	
	-2023 Oct 28 j 01:08	0°♍	
	-2023 Dec 13 j 19:14	0°♎	
	-2022 Jan 30 j 13:16	0°♏	
	-2022 Mar 23 j 23:00	0°♐	
desc. node	-2022 Mar 24 j 16:16	0°♐21'57	
retrograde	-2022 May 25 j 06:54	19°♐16'34	
opposition	-2022 Jun 24 j 17:51	14°♐12'39	-5°47'55
min. Earth dist.	-2022 Jun 24 j 10:03	14°♐17'51	0.37582 AU
greatest brilliancy	-2022 Jun 24 j 14:43	14°♐14'45	-2.9m
direct	-2022 Jul 24 j 18:56	9°♐12'23	
	-2022 Sep 26 j 11:24	0°♑	
	-2022 Nov 15 j 17:06	0°♒	
	-2021 Jan 01 j 05:00	0°♓	
asc. node	-2021 Jan 26 j 23:33	16°♓43'46	
	-2021 Feb 16 j 12:45	0°♈	
	-2021 Apr 04 j 11:06	0°♉	
	-2021 May 21 j 20:26	0°♊	
evening set	-2021 Jun 01 j 10:55	6°♊42'33	
	-2021 Jul 08 j 02:11	0°♋	
max. Earth dist.	-2021 Jul 08 j 23:40	0°♋34'20	2.66614 AU
conjunction	-2021 Jul 17 j 20:32	6°♋15'21	1°09'00
minimum elong	-2021 Jul 17 j 20:03	6°♋14'34	1°09'03
	-2021 Aug 23 j 12:14	0°♌	
morning rise	-2021 Aug 31 j 18:39	5°♌25'22	
	-2021 Oct 07 j 16:37	0°♍	
	-2021 Nov 20 j 13:05	0°♎	
	-2020 Jan 02 j 05:45	0°♏	
desc. node	-2020 Feb 09 j 16:20	27°♏29'55	
	-2020 Feb 13 j 03:55	0°♐	
	-2020 Mar 26 j 03:58	0°♑	
	-2020 May 09 j 11:13	0°♒	
	-2020 Jul 08 j 00:50	0°♓	
retrograde	-2020 Jul 31 j 03:48	3°♓37'44	
	-2020 Aug 22 j 20:02	30°℞♒	
min. Earth dist.	-2020 Aug 28 j 03:12	28°♒18'48	0.45529 AU
greatest brilliancy	-2020 Sep 03 j 22:44	25°♒57'51	-2.4m
opposition	-2020 Sep 05 j 04:31	25°♒32'03	-4°45'47
direct	-2020 Oct 07 j 14:53	18°♒58'13	
	-2020 Nov 22 j 15:58	0°♓	
asc. node	-2020 Dec 13 j 22:30	9°♓42'33	
	-2019 Jan 20 j 22:20	0°♈	
	-2019 Mar 13 j 06:37	0°♉	
	-2019 May 01 j 16:19	0°♊	
	-2019 Jun 18 j 17:55	0°♋	
evening set	-2019 Jul 08 j 09:20	12°♋32'50	
max. Earth dist.	-2019 Aug 01 j 20:50	28°♋28'10	2.61294 AU
	-2019 Aug 04 j 04:39	0°♌	
conjunction	-2019 Aug 24 j 01:00	13°♌12'07	1°03'32
minimum elong	-2019 Aug 24 j 02:01	13°♌13'51	1°03'33
	-2019 Sep 17 j 17:59	0°♍	
morning rise	-2019 Oct 10 j 06:51	15°♍41'30	
	-2019 Oct 30 j 09:37	0°♎	
	-2019 Dec 10 j 09:57	0°♏	
desc. node	-2019 Dec 27 j 16:00	12°♏54'28	
	-2018 Jan 19 j 06:15	0°♐	
	-2018 Feb 27 j 14:56	0°♑	
	-2018 Apr 08 j 10:56	0°♒	
	-2018 May 20 j 06:33	0°♓	
	-2018 Jul 06 j 12:56	0°♈	
retrograde	-2018 Sep 14 j 22:33	24°♈25'37	
min. Earth dist.	-2018 Oct 18 j 05:13	17°♈00'43	0.57820 AU
opposition	-2018 Oct 24 j 05:57	14°♈38'45	-0°19'59
greatest brilliancy	-2018 Oct 24 j 04:21	14°♈40'19	-1.8m
asc. node	-2018 Oct 31 j 20:45	11°♈45'48	
direct	-2018 Nov 29 j 22:44	6°♈14'28	
	-2017 Feb 13 j 18:18	0°♉	
	-2017 Apr 10 j 07:28	0°♊	
	-2017 May 30 j 12:07	0°♋	
	-2017 Jul 16 j 15:09	0°♌	
evening set	-2017 Aug 17 j 19:28	21°♌32'01	
	-2017 Aug 30 j 02:35	0°♍	
max. Earth dist.	-2017 Sep 02 j 11:11	2°♍20'08	2.51164 AU
conjunction	-2017 Oct 07 j 06:18	27°♍06'58	0°24'54
minimum elong	-2017 Oct 07 j 07:31	27°♍09'10	0°24'53
	-2017 Oct 11 j 05:18	0°♎	
desc. node	-2017 Nov 14 j 14:37	25°♎34'46	
	-2017 Nov 20 j 10:33	0°♏	
morning rise	-2017 Dec 01 j 08:29	8°♏19'53	
	-2017 Dec 29 j 09:42	0°♐	
	-2016 Feb 05 j 21:23	0°♑	
	-2016 Mar 15 j 18:25	0°♒	
	-2016 Apr 25 j 00:08	0°♓	
	-2016 Jun 06 j 19:47	0°♈	
	-2016 Jul 24 j 12:37	0°♉	
asc. node	-2016 Sep 17 j 20:37	26°♉25'06	
	-2016 Sep 30 j 09:34	0°♊	
retrograde	-2016 Oct 20 j 17:32	2°♊29'41	
	-2016 Nov 08 j 21:42	30°℞♉	
min. Earth dist.	-2016 Nov 27 j 11:56	23°♉31'47	0.65616 AU
opposition	-2016 Nov 29 j 20:42	22°♉34'48	2°39'18

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

greatest brilliancy	-2016 Nov 29 j 14:09	22°♉41'22	-1.4m
direct	-2015 Jan 08 j 09:40	13°♉08'52	
	-2015 Mar 11 j 08:01	0°♊	
	-2015 May 07 j 19:55	0°♋	
	-2015 Jun 26 j 00:25	0°♌	
	-2015 Aug 10 j 01:21	0°♍	
	-2015 Sep 21 j 02:20	0°♎	
desc. node	-2015 Oct 01 j 12:47	7°♎43'14	
evening set	-2015 Oct 04 j 21:03	10°♎13'00	
	-2015 Oct 30 j 23:10	0°♏	
max. Earth dist.	-2015 Nov 03 j 06:21	2°♏32'16	2.38916 AU
conjunction	-2015 Dec 03 j 14:06	26°♏08'11	-0°40'48
minimum elong	-2015 Dec 03 j 11:21	26°♏02'47	0°40'48
	-2015 Dec 08 j 12:11	0°♐	
	-2014 Jan 15 j 14:58	0°♑	
morning rise	-2014 Feb 09 j 10:21	19°♑22'28	
	-2014 Feb 23 j 04:56	0°♒	
	-2014 Apr 04 j 02:23	0°♓	
	-2014 May 16 j 01:56	0°♈	
	-2014 Jun 29 j 22:41	0°♉	
asc. node	-2014 Aug 05 j 20:53	22°♉47'52	
	-2014 Aug 18 j 07:49	0°♊	
	-2014 Oct 20 j 22:48	0°♋	
retrograde	-2014 Nov 24 j 08:54	6°♋17'31	
	-2014 Dec 25 j 21:01	30°℞♊	
opposition	-2013 Jan 03 j 01:46	26°♊49'19	4°20'57
greatest brilliancy	-2013 Jan 03 j 05:25	26°♊45'41	-1.3m
min. Earth dist.	-2013 Jan 04 j 13:07	26°♊14'12	0.67204 AU
direct	-2013 Feb 13 j 03:48	16°♊52'43	
	-2013 Apr 06 j 22:31	0°♋	
	-2013 Jun 03 j 11:25	0°♌	
	-2013 Jul 20 j 14:24	0°♍	
desc. node	-2013 Aug 19 j 11:22	20°♍46'12	
	-2013 Sep 01 j 05:52	0°♎	
	-2013 Oct 11 j 04:51	0°♏	
	-2013 Nov 18 j 16:13	0°♐	
evening set	-2013 Dec 08 j 15:07	15°♐44'13	
	-2013 Dec 26 j 17:38	0°♑	
	-2012 Feb 03 j 08:10	0°♒	
conjunction	-2012 Feb 12 j 23:03	7°♒20'13	-1°03'03
minimum elong	-2012 Feb 13 j 00:51	7°♒23'37	1°03'05
	-2012 Mar 14 j 07:26	0°♓	
max. Earth dist.	-2012 Apr 01 j 22:24	13°♓30'52	2.45389 AU
morning rise	-2012 Apr 16 j 17:10	24°♓01'24	
	-2012 Apr 25 j 05:59	0°♈	
	-2012 Jun 08 j 12:08	0°♉	
asc. node	-2012 Jun 22 j 19:11	9°♉20'27	
	-2012 Jul 25 j 08:50	0°♊	
	-2012 Sep 13 j 20:02	0°♋	
	-2012 Nov 13 j 10:37	0°♌	
retrograde	-2012 Dec 30 j 18:37	10°♌48'14	
opposition	-2011 Feb 06 j 22:55	2°♌09'44	4°46'34
greatest brilliancy	-2011 Feb 07 j 19:14	1°♌50'11	-1.5m
min. Earth dist.	-2011 Feb 12 j 06:49	0°♌06'48	0.62279 AU
	-2011 Feb 12 j 13:58	30°℞♋	
direct	-2011 Mar 20 j 02:18	22°♋13'47	
	-2011 Apr 27 j 01:22	0°♌	
	-2011 Jun 24 j 22:07	0°♍	
desc. node	-2011 Jul 06 j 09:48	7°♍12'22	
	-2011 Aug 09 j 04:08	0°♎	
	-2011 Sep 19 j 01:40	0°♏	
	-2011 Oct 28 j 00:05	0°♐	
	-2011 Dec 05 j 10:02	0°♑	
	-2010 Jan 13 j 09:42	0°♒	
evening set	-2010 Feb 12 j 23:22	22°♒49'40	
	-2010 Feb 22 j 18:55	0°♓	
	-2010 Apr 06 j 02:10	0°♈	
conjunction	-2010 Apr 12 j 03:29	4°♈10'40	-0°16'55
minimum elong	-2010 Apr 12 j 04:24	4°♈12'14	0°16'54
asc. node	-2010 May 10 j 17:54	23°♈33'12	
max. Earth dist.	-2010 May 11 j 04:28	23°♈50'49	2.57583 AU
	-2010 May 20 j 10:38	0°♉	
morning rise	-2010 Jun 04 j 06:04	9°♉44'00	
	-2010 Jul 05 j 16:13	0°♊	
	-2010 Aug 22 j 13:53	0°♋	
	-2010 Oct 11 j 14:27	0°♌	
	-2010 Dec 05 j 24:00	0°♍	
retrograde	-2009 Feb 15 j 12:28	21°♍34'48	
opposition	-2009 Mar 22 j 17:02	14°♍20'29	3°07'49
greatest brilliancy	-2009 Mar 23 j 17:46	13°♍58'39	-2.1m
min. Earth dist.	-2009 Mar 31 j 01:22	11°♍24'14	0.51355 AU
direct	-2009 Apr 30 j 13:03	5°♍28'39	
desc. node	-2009 May 24 j 08:49	9°♍03'55	
	-2009 Jul 09 j 11:19	0°♎	
	-2009 Aug 24 j 12:44	0°♏	
	-2009 Oct 04 j 13:24	0°♐	
	-2009 Nov 13 j 07:04	0°♑	
	-2009 Dec 23 j 08:52	0°♒	
	-2008 Feb 02 j 17:26	0°♓	
	-2008 Mar 16 j 20:34	0°♈	
asc. node	-2008 Mar 27 j 16:40	7°♈20'36	
evening set	-2008 Apr 05 j 06:55	13°♈06'55	
	-2008 Apr 30 j 18:38	0°♉	
conjunction	-2008 May 26 j 00:35	16°♉26'21	0°32'46
minimum elong	-2008 May 25 j 23:24	16°♉24'27	0°32'48
max. Earth dist.	-2008 Jun 06 j 01:14	23°♉32'56	2.65116 AU
	-2008 Jun 16 j 02:27	0°♊	
morning rise	-2008 Jul 12 j 06:15	16°♊41'25	
	-2008 Aug 02 j 05:34	0°♋	
	-2008 Sep 18 j 17:03	0°♌	
	-2008 Nov 05 j 14:07	0°♍	
	-2008 Dec 24 j 19:24	0°♎	
	-2007 Feb 17 j 04:11	0°♏	
desc. node	-2007 Apr 10 j 09:36	18°♏29'48	
retrograde	-2007 Apr 23 j 03:48	19°♏28'21	
opposition	-2007 May 23 j 23:16	14°♏14'58	-2°56'56
greatest brilliancy	-2007 May 24 j 10:16	14°♏07'17	-2.8m
min. Earth dist.	-2007 May 28 j 20:14	12°♏53'35	0.39251 AU
direct	-2007 Jun 25 j 03:38	8°♏25'32	
	-2007 Aug 27 j 20:11	0°♐	
	-2007 Oct 14 j 16:35	0°♑	
	-2007 Nov 27 j 18:27	0°♒	
	-2006 Jan 10 j 17:34	0°♓	
asc. node	-2006 Feb 12 j 14:15	22°♓00'55	
	-2006 Feb 24 j 16:15	0°♈	
	-2006 Apr 11 j 19:22	0°♉	
evening set	-2006 May 17 j 11:04	22°♉48'14	
	-2006 May 28 j 18:24	0°♊	
max. Earth dist.	-2006 Jun 29 j 18:59	20°♊22'46	2.67261 AU
conjunction	-2006 Jul 03 j 11:57	22°♊44'34	1°03'32
minimum elong	-2006 Jul 03 j 10:59	22°♊43'02	1°03'35
	-2006 Jul 14 j 20:48	0°♋	
morning rise	-2006 Aug 17 j 11:02	21°♋35'09	
	-2006 Aug 30 j 10:28	0°♌	
	-2006 Oct 15 j 02:06	0°♍	
	-2006 Nov 28 j 18:27	0°♎	
	-2005 Jan 11 j 17:17	0°♏	
	-2005 Feb 24 j 11:36	0°♐	
desc. node	-2005 Feb 26 j 09:16	1°♐17'43	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-2005 Apr 10 j 16:24	0°♉	
	-2005 Jun 04 j 22:23	0°♒	
retrograde	-2005 Jul 09 j 06:29	7°♒26'53	
min. Earth dist.	-2005 Aug 04 j 21:23	2°♒51'00	0.40895 AU
greatest brilliancy	-2005 Aug 10 j 10:21	1°♒09'15	-2.7m
opposition	-2005 Aug 11 j 19:20	0°♒43'45	-6°20'34
	-2005 Aug 14 j 04:34	30°℞♉	
direct	-2005 Sep 11 j 13:05	25°♉05'24	
	-2005 Oct 10 j 07:49	0°♒	
	-2005 Dec 12 j 19:36	0°♓	
asc. node	-2005 Dec 31 j 13:14	10°♓48'53	
	-2004 Feb 01 j 14:36	0°♈	
	-2004 Mar 21 j 13:56	0°♉	
	-2004 May 08 j 23:43	0°♊	
evening set	-2004 Jun 23 j 15:28	28°♊43'39	
	-2004 Jun 25 j 15:27	0°♋	
max. Earth dist.	-2004 Jul 22 j 21:42	17°♋30'40	2.63987 AU
conjunction	-2004 Aug 08 j 20:29	28°♋34'12	1°09'15
minimum elong	-2004 Aug 08 j 20:56	28°♋34'56	1°09'17
	-2004 Aug 11 j 00:41	0°♌	
morning rise	-2004 Sep 23 j 16:40	29°♌15'49	
	-2004 Sep 24 j 18:32	0°♍	
	-2004 Nov 06 j 19:13	0°♎	
	-2004 Dec 18 j 07:59	0°♏	
desc. node	-2003 Jan 13 j 07:58	19°♏13'10	
	-2003 Jan 27 j 18:34	0°♐	
	-2003 Mar 08 j 19:03	0°♑	
	-2003 Apr 18 j 12:07	0°♒	
	-2003 Jun 01 j 03:34	0°♓	
	-2003 Jul 27 j 03:56	0°♈	
retrograde	-2003 Aug 29 j 17:04	6°♈59'58	
min. Earth dist.	-2003 Sep 29 j 21:57	0°♈21'39	0.53311 AU
	-2003 Sep 30 j 21:01	30°℞♓	
opposition	-2003 Oct 07 j 03:44	27°♓36'19	-1°54'49
greatest brilliancy	-2003 Oct 06 j 16:29	27°♓47'01	-2.0m
direct	-2003 Nov 11 j 08:09	19°♓48'27	
asc. node	-2003 Nov 17 j 13:03	20°♓03'02	
	-2003 Dec 26 j 04:55	0°♈	
	-2002 Feb 25 j 14:20	0°♉	
	-2002 Apr 18 j 17:51	0°♊	
	-2002 Jun 06 j 20:56	0°♋	
	-2002 Jul 23 j 15:45	0°♌	
evening set	-2002 Aug 01 j 11:28	5°♌49'44	
max. Earth dist.	-2002 Aug 19 j 19:25	18°♌08'03	2.55628 AU
	-2002 Sep 06 j 03:00	0°♍	
conjunction	-2002 Sep 18 j 21:47	8°♍55'03	0°44'08
minimum elong	-2002 Sep 18 j 23:19	8°♍57'45	0°44'08
	-2002 Oct 18 j 09:46	0°♎	
morning rise	-2002 Nov 09 j 01:28	15°♎54'22	
	-2002 Nov 27 j 21:14	0°♏	
desc. node	-2002 Dec 01 j 07:19	2°♏35'06	
	-2001 Jan 06 j 03:03	0°♐	
	-2001 Feb 13 j 20:50	0°♑	
	-2001 Mar 24 j 23:47	0°♒	
	-2001 May 04 j 13:53	0°♓	
	-2001 Jun 17 j 06:06	0°♈	
	-2001 Aug 07 j 07:47	0°♉	
asc. node	-2001 Oct 05 j 12:11	18°♉39'36	
retrograde	-2001 Oct 07 j 23:41	18°♉42'03	
min. Earth dist.	-2001 Nov 13 j 03:27	10°♉16'28	0.63269 AU
opposition	-2001 Nov 16 j 23:22	8°♉44'29	1°40'00
greatest brilliancy	-2001 Nov 16 j 17:01	8°♉50'51	-1.5m
	-2001 Dec 18 j 01:25	30°℞♈	
direct	-2001 Dec 25 j 13:16	29°♈38'18	
	-2000 Jan 02 j 06:14	0°♉	
	-2000 Mar 24 j 02:33	0°♊	
	-2000 May 16 j 10:35	0°♋	
	-2000 Jul 03 j 14:01	0°♌	
	-2000 Aug 17 j 07:59	0°♍	
evening set	-2000 Sep 14 j 05:13	19°♍42'34	
	-2000 Sep 28 j 08:50	0°♎	
max. Earth dist.	-2000 Sep 30 j 17:15	1°♎43'37	2.43473 AU
desc. node	-2000 Oct 18 j 05:59	14°♎45'32	
	-2000 Nov 07 j 08:19	0°♏	
conjunction	-2000 Nov 08 j 15:03	0°♏58'50	-0°14'32
minimum elong	-2000 Nov 08 j 14:03	0°♏56'56	0°14'33
behind sun begin	-2000 Nov 08 j 02:30	0°♏34'48	
behind sun end	-2000 Nov 09 j 01:37	1°♏19'04	
	-2000 Dec 16 j 00:30	0°♐	
morning rise	-1999 Jan 10 j 22:13	20°♐20'17	
	-1999 Jan 23 j 05:39	0°♑	
	-1999 Mar 02 j 20:59	0°♒	
	-1999 Apr 11 j 19:32	0°♓	
	-1999 May 23 j 22:46	0°♈	
	-1999 Jul 08 j 10:13	0°♉	
asc. node	-1999 Aug 22 j 11:35	26°♉24'23	
	-1999 Aug 29 j 07:34	0°♊	
retrograde	-1999 Nov 10 j 20:29	23°♊29'29	
opposition	-1999 Dec 20 j 20:33	13°♊48'06	3°49'58
greatest brilliancy	-1999 Dec 20 j 18:52	13°♊49'47	-1.3m
min. Earth dist.	-1999 Dec 20 j 19:54	13°♊48'45	0.67357 AU
direct	-1998 Jan 30 j 11:49	4°♊00'13	
	-1998 Apr 20 j 23:50	0°♋	
	-1998 Jun 12 j 13:26	0°♌	
	-1998 Jul 28 j 14:05	0°♍	
desc. node	-1998 Sep 05 j 03:50	27°♍15'50	
	-1998 Sep 08 j 21:38	0°♎	
	-1998 Oct 18 j 18:44	0°♏	
evening set	-1998 Nov 11 j 13:02	18°♏27'05	
	-1998 Nov 26 j 05:58	0°♐	
	-1997 Jan 03 j 07:03	0°♑	
conjunction	-1997 Jan 16 j 05:40	10°♑08'53	-1°05'35
minimum elong	-1997 Jan 16 j 04:43	10°♑07'02	1°05'38
	-1997 Feb 10 j 20:23	0°♒	
max. Earth dist.	-1997 Mar 04 j 13:03	16°♒28'36	2.40191 AU
	-1997 Mar 22 j 17:40	0°♓	
morning rise	-1997 Mar 24 j 23:59	1°♓39'45	
	-1997 May 03 j 14:39	0°♈	
	-1997 Jun 16 j 23:04	0°♉	
asc. node	-1997 Jul 10 j 11:22	15°♉09'13	
	-1997 Aug 03 j 09:44	0°♊	
	-1997 Sep 25 j 04:22	0°♋	
retrograde	-1997 Dec 16 j 13:09	27°♋09'34	
opposition	-1996 Jan 24 j 11:24	18°♋08'24	4°46'58
greatest brilliancy	-1996 Jan 25 j 01:12	17°♋54'55	-1.4m
min. Earth dist.	-1996 Jan 28 j 07:35	16°♋38'19	0.64997 AU
direct	-1996 Mar 05 j 19:32	8°♋07'10	
	-1996 May 15 j 01:34	0°♌	
	-1996 Jul 05 j 05:04	0°♍	
desc. node	-1996 Jul 23 j 03:23	11°♍54'01	
	-1996 Aug 17 j 23:55	0°♎	
	-1996 Sep 27 j 08:52	0°♏	
	-1996 Nov 05 j 00:50	0°♐	
	-1996 Dec 13 j 05:42	0°♑	
evening set	-1995 Jan 19 j 06:54	28°♑41'06	
	-1995 Jan 21 j 00:16	0°♒	
	-1995 Mar 02 j 04:11	0°♓	
conjunction	-1995 Mar 22 j 07:05	14°♓31'29	-0°37'55
minimum elong	-1995 Mar 22 j 09:12	14°♓35'15	0°37'54

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-1995 Apr 13 j 06:33	0°♈	
max. Earth dist.	-1995 Apr 28 j 08:56	10°♈24'14	2.53279 AU
morning rise	-1995 May 18 j 00:50	23°♈41'27	
asc. node	-1995 May 27 j 09:18	29°♈54'55	
	-1995 May 27 j 12:22	0°♉	
	-1995 Jul 12 j 20:41	0°♊	
	-1995 Aug 30 j 09:46	0°♋	
	-1995 Oct 21 j 13:29	0°♌	
	-1995 Dec 28 j 03:55	0°♍	
retrograde	-1994 Jan 26 j 13:00	4°♍36'25	
	-1994 Feb 22 j 18:50	30°℞♌	
opposition	-1994 Mar 04 j 03:30	26°♌43'25	4°07'42
greatest brilliancy	-1994 Mar 05 j 06:20	26°♌18'38	-1.8m
min. Earth dist.	-1994 Mar 11 j 13:56	23°♌59'01	0.56259 AU
direct	-1994 Apr 13 j 07:08	17°♌14'26	
	-1994 Jun 01 j 00:37	0°♍	
desc. node	-1994 Jun 10 j 02:46	4°♍23'17	
	-1994 Jul 23 j 11:09	0°♎	
	-1994 Sep 04 j 06:39	0°♏	
	-1994 Oct 14 j 02:12	0°♐	
	-1994 Nov 22 j 02:09	0°♑	
	-1994 Dec 31 j 13:56	0°♒	
	-1993 Feb 10 j 10:27	0°♓	
evening set	-1993 Mar 18 j 14:02	25°♓28'54	
	-1993 Mar 25 j 03:28	0°♈	
asc. node	-1993 Apr 14 j 07:32	13°♈42'43	
	-1993 May 08 j 18:25	0°♉	
conjunction	-1993 May 10 j 17:34	1°♉17'41	0°15'17
minimum elong	-1993 May 10 j 16:53	1°♉16'35	0°15'17
behind sun begin	-1993 May 10 j 11:46	1°♉08'08	
behind sun end	-1993 May 10 j 22:01	1°♉25'01	
max. Earth dist.	-1993 May 28 j 09:24	12°♉50'48	2.62797 AU
	-1993 Jun 23 j 23:29	0°♊	
morning rise	-1993 Jun 28 j 18:04	3°♊03'16	
	-1993 Aug 10 j 06:51	0°♋	
	-1993 Sep 27 j 10:50	0°♌	
	-1993 Nov 16 j 01:11	0°♍	
	-1992 Jan 09 j 01:55	0°♎	
retrograde	-1992 Mar 24 j 10:23	23°♎58'53	
opposition	-1992 Apr 25 j 23:19	17°♎58'43	0°04'07
greatest brilliancy	-1993 Aug 04 j 23:40	26°♊39'57	1.8m
desc. node	-1992 Apr 27 j 01:33	17°♎38'09	
min. Earth dist.	-1992 May 03 j 16:55	15°♎34'14	0.43375 AU
direct	-1992 May 31 j 05:36	10°♎47'02	
	-1992 Jul 29 j 08:34	0°♏	
	-1992 Sep 14 j 19:39	0°♐	
	-1992 Oct 27 j 04:41	0°♑	
	-1992 Dec 07 j 21:53	0°♒	
	-1991 Jan 19 j 11:08	0°♓	
asc. node	-1991 Mar 01 j 06:58	27°♓51'52	
	-1991 Mar 04 j 11:26	0°♈	
	-1991 Apr 19 j 00:07	0°♉	
evening set	-1991 May 01 j 19:28	8°♉17'34	
	-1991 Jun 04 j 15:13	0°♊	
conjunction	-1991 Jun 18 j 22:30	9°♊07'46	0°54'19
minimum elong	-1991 Jun 18 j 21:14	9°♊05'46	0°54'22
max. Earth dist.	-1991 Jun 20 j 15:54	10°♊13'46	2.67062 AU
	-1991 Jul 21 j 16:11	0°♋	
morning rise	-1991 Aug 03 j 10:17	8°♋08'37	
	-1991 Sep 06 j 11:54	0°♌	
	-1991 Oct 22 j 18:49	0°♍	
	-1991 Dec 07 j 15:20	0°♎	
	-1990 Jan 22 j 14:10	0°♏	
	-1990 Mar 11 j 02:37	0°♐	
desc. node	-1990 Mar 15 j 01:37	2°♐22'57	
	-1990 May 07 j 15:28	0°♑	
retrograde	-1990 Jun 11 j 18:24	7°♑22'46	
min. Earth dist.	-1990 Jul 09 j 13:40	2°♑51'56	0.37994 AU
opposition	-1990 Jul 12 j 22:06	1°♑57'08	-6°37'39
greatest brilliancy	-1990 Jul 12 j 04:19	2°♑09'16	-2.9m
	-1990 Jul 20 j 08:24	30°℞♐	
direct	-1990 Aug 11 j 13:19	26°♐57'23	
	-1990 Sep 02 j 17:24	0°♑	
	-1990 Nov 06 j 08:19	0°♒	
	-1990 Dec 25 j 11:25	0°♓	
asc. node	-1989 Jan 17 j 05:39	14°♓21'56	
	-1989 Feb 10 j 21:59	0°♈	
	-1989 Mar 30 j 10:10	0°♉	
	-1989 May 17 j 02:45	0°♊	
evening set	-1989 Jun 09 j 22:45	15°♊02'40	
	-1989 Jul 03 j 11:25	0°♋	
max. Earth dist.	-1989 Jul 14 j 10:51	7°♋01'35	2.65900 AU
conjunction	-1989 Jul 26 j 04:00	14°♋34'17	1°10'19
minimum elong	-1989 Jul 26 j 03:50	14°♋34'00	1°10'22
	-1989 Aug 18 j 21:05	0°♌	
morning rise	-1989 Sep 09 j 06:25	14°♌07'42	
	-1989 Oct 02 j 21:36	0°♍	
	-1989 Nov 15 j 10:36	0°♎	
	-1989 Dec 27 j 16:08	0°♏	
desc. node	-1988 Jan 31 j 01:15	24°♏56'49	
	-1988 Feb 06 j 23:09	0°♐	
	-1988 Mar 19 j 00:48	0°♑	
	-1988 Apr 30 j 10:21	0°♒	
	-1988 Jun 17 j 23:56	0°♓	
retrograde	-1988 Aug 11 j 13:49	16°♓57'02	
min. Earth dist.	-1988 Sep 09 j 15:15	11°♓10'17	0.48314 AU
opposition	-1988 Sep 17 j 16:02	8°♓16'36	-3°42'28
greatest brilliancy	-1988 Sep 16 j 16:31	8°♓37'49	-2.3m
direct	-1988 Oct 21 j 02:41	1°♓14'08	
asc. node	-1988 Dec 04 j 04:17	11°♓19'19	
	-1987 Jan 12 j 20:31	0°♈	
	-1987 Mar 07 j 09:57	0°♉	
	-1987 Apr 26 j 14:42	0°♊	
	-1987 Jun 14 j 00:18	0°♋	
evening set	-1987 Jul 17 j 00:21	21°♋07'44	
	-1987 Jul 30 j 13:50	0°♌	
max. Earth dist.	-1987 Aug 08 j 02:51	5°♌38'55	2.59454 AU
conjunction	-1987 Sep 02 j 03:26	22°♌29'02	0°57'56
minimum elong	-1987 Sep 02 j 04:44	22°♌31'16	0°57'57
	-1987 Sep 13 j 02:33	0°♍	
morning rise	-1987 Oct 20 j 12:27	26°♍19'26	
	-1987 Oct 25 j 15:06	0°♎	
	-1987 Dec 05 j 10:45	0°♏	
desc. node	-1987 Dec 17 j 23:36	9°♏24'55	
	-1986 Jan 14 j 01:38	0°♐	
	-1986 Feb 22 j 04:13	0°♑	
	-1986 Apr 02 j 16:31	0°♒	
	-1986 May 13 j 21:31	0°♓	
	-1986 Jun 28 j 05:51	0°♈	
	-1986 Aug 29 j 11:53	0°♉	
retrograde	-1986 Sep 23 j 14:35	3°♉54'34	
	-1986 Oct 17 j 05:29	30°℞♈	
asc. node	-1986 Oct 22 j 03:48	28°♈18'38	
min. Earth dist.	-1986 Oct 27 j 23:00	26°♈06'25	0.59989 AU
opposition	-1986 Nov 02 j 05:14	24°♈01'21	0°27'57
greatest brilliancy	-1986 Nov 02 j 02:49	24°♈03'44	-1.7m
direct	-1986 Dec 09 j 15:30	15°♈20'22	
	-1985 Feb 04 j 03:05	0°♉	
	-1985 Apr 04 j 07:30	0°♊	
	-1985 May 25 j 10:08	0°♋	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-1985 Jul 11 j 21:20	0°♌	
	-1985 Aug 25 j 11:19	0°♍	
evening set	-1985 Aug 27 j 15:25	1°♍30'26	
max. Earth dist.	-1985 Sep 11 j 10:51	11°♍54'31	2.48465 AU
	-1985 Oct 06 j 13:34	0°♎	
conjunction	-1985 Oct 18 j 14:48	8°♎52'36	0°11'36
minimum elong	-1985 Oct 18 j 15:27	8°♎53'49	0°11'35
behind sun begin	-1985 Oct 17 j 22:57	8°♎23'15	
behind sun end	-1985 Oct 19 j 07:58	9°♎24'25	
desc. node	-1985 Nov 04 j 23:12	21°♎51'39	
	-1985 Nov 15 j 16:44	0°♏	
morning rise	-1985 Dec 15 j 11:16	22°♏55'53	
	-1985 Dec 24 j 13:12	0°♐	
	-1984 Jan 31 j 22:00	0°♑	
	-1984 Mar 10 j 16:12	0°♒	
	-1984 Apr 19 j 18:05	0°♓	
	-1984 Jun 01 j 05:05	0°♈	
	-1984 Jul 17 j 18:49	0°♉	
asc. node	-1984 Sep 08 j 03:17	27°♉47'48	
	-1984 Sep 13 j 08:37	0°♊	
retrograde	-1984 Oct 28 j 11:25	10°♊32'31	
min. Earth dist.	-1984 Dec 06 j 02:04	1°♊18'06	0.66520 AU
opposition	-1984 Dec 07 j 14:36	0°♊41'28	3°08'25
greatest brilliancy	-1984 Dec 07 j 09:11	0°♊46'54	-1.4m
	-1984 Dec 09 j 07:59	30°℞♉	
direct	-1983 Jan 16 j 14:06	21°♉06'31	
	-1983 Feb 28 j 02:29	0°♊	
	-1983 May 01 j 16:22	0°♋	
	-1983 Jun 20 j 20:31	0°♌	
	-1983 Aug 05 j 05:32	0°♍	
	-1983 Sep 16 j 09:09	0°♎	
desc. node	-1983 Sep 21 j 22:05	4°♎04'54	
evening set	-1983 Oct 17 j 15:04	23°♎23'36	
	-1983 Oct 26 j 06:17	0°♏	
	-1983 Dec 03 j 18:36	0°♐	
max. Earth dist.	-1983 Dec 11 j 21:24	6°♐23'35	2.37432 AU
conjunction	-1983 Dec 18 j 20:25	11°♐52'50	-0°53'11
minimum elong	-1983 Dec 18 j 17:26	11°♐46'58	0°53'12
	-1982 Jan 10 j 20:12	0°♑	
	-1982 Feb 18 j 09:04	0°♒	
morning rise	-1982 Feb 25 j 21:46	5°♒45'47	
	-1982 Mar 30 j 05:19	0°♓	
	-1982 May 11 j 02:17	0°♈	
	-1982 Jun 24 j 16:11	0°♉	
asc. node	-1982 Jul 27 j 01:46	20°♉25'08	
	-1982 Aug 12 j 02:10	0°♊	
	-1982 Oct 08 j 11:06	0°♋	
retrograde	-1982 Dec 02 j 07:14	14°♋06'55	
opposition	-1981 Jan 10 j 18:42	4°♋47'27	4°33'51
greatest brilliancy	-1981 Jan 11 j 01:51	4°♋40'22	-1.3m
min. Earth dist.	-1981 Jan 13 j 02:40	3°♋52'08	0.66702 AU
	-1981 Jan 23 j 09:16	30°℞♊	
direct	-1981 Feb 21 j 00:28	24°♊47'43	
	-1981 Mar 24 j 04:31	0°♋	
	-1981 May 27 j 23:27	0°♌	
	-1981 Jul 15 j 04:42	0°♍	
desc. node	-1981 Aug 09 j 20:00	17°♍34'20	
	-1981 Aug 27 j 04:54	0°♎	
	-1981 Oct 06 j 07:21	0°♏	
	-1981 Nov 13 j 20:20	0°♐	
	-1981 Dec 21 j 22:34	0°♑	
evening set	-1981 Dec 24 j 05:07	1°♑47'03	
	-1980 Jan 29 j 13:47	0°♒	
conjunction	-1980 Feb 27 j 13:53	21°♒53'10	-0°56'02
minimum elong	-1980 Feb 27 j 16:23	21°♒57'48	0°56'03
	-1980 Mar 09 j 13:40	0°♓	
max. Earth dist.	-1980 Apr 12 j 19:47	24°♓37'09	2.48285 AU
	-1980 Apr 20 j 12:08	0°♈	
morning rise	-1980 Apr 28 j 18:36	5°♈44'05	
	-1980 Jun 03 j 16:37	0°♉	
asc. node	-1980 Jun 13 j 01:03	6°♉09'12	
	-1980 Jul 20 j 06:31	0°♊	
	-1980 Sep 07 j 19:40	0°♋	
	-1980 Nov 02 j 20:59	0°♌	
retrograde	-1979 Jan 09 j 00:22	19°♌24'22	
opposition	-1979 Feb 15 j 17:00	11°♌00'27	4°38'20
greatest brilliancy	-1979 Feb 16 j 16:27	10°♌38'09	-1.6m
min. Earth dist.	-1979 Feb 21 j 20:28	8°♌40'26	0.60378 AU
direct	-1979 Mar 28 j 14:51	1°♌10'45	
	-1979 Jun 17 j 08:43	0°♍	
desc. node	-1979 Jun 26 j 18:40	5°♍34'32	
	-1979 Aug 03 j 04:30	0°♎	
	-1979 Sep 13 j 14:25	0°♏	
	-1979 Oct 22 j 18:52	0°♐	
	-1979 Nov 30 j 08:37	0°♑	
	-1978 Jan 08 j 11:28	0°♒	
	-1978 Feb 17 j 23:38	0°♓	
evening set	-1978 Feb 25 j 18:58	5°♓37'58	
	-1978 Apr 01 j 09:06	0°♈	
conjunction	-1978 Apr 23 j 00:09	14°♈46'33	-0°04'47
minimum elong	-1978 Apr 23 j 00:24	14°♈46'57	0°04'46
behind sun begin	-1978 Apr 22 j 02:57	14°♈10'43	
behind sun end	-1978 Apr 23 j 21:51	15°♈23'10	
asc. node	-1978 May 01 j 00:13	20°♈09'47	
	-1978 May 15 j 18:45	0°♉	
max. Earth dist.	-1978 May 17 j 17:52	1°♉17'52	2.59652 AU
morning rise	-1978 Jun 13 j 11:12	18°♉45'31	
	-1978 Jun 30 j 22:47	0°♊	
	-1978 Aug 17 j 13:30	0°♋	
	-1978 Oct 05 j 17:48	0°♌	
	-1978 Nov 27 j 05:51	0°♍	
	-1977 Feb 06 j 06:17	0°♎	
retrograde	-1977 Feb 28 j 03:49	2°♎40'16	
	-1977 Mar 20 j 18:55	30°℞♍	
opposition	-1977 Apr 03 j 10:20	25°♍50'27	2°15'21
greatest brilliancy	-1977 Apr 04 j 05:39	25°♍33'59	-2.2m
min. Earth dist.	-1977 Apr 11 j 22:03	22°♍57'06	0.48495 AU
direct	-1977 May 11 j 05:25	17°♍27'30	
desc. node	-1977 May 14 j 18:24	17°♍32'44	
	-1977 Jun 26 j 23:19	0°♎	
	-1977 Aug 16 j 19:36	0°♏	
	-1977 Sep 28 j 02:38	0°♐	
	-1977 Nov 07 j 11:22	0°♑	
	-1977 Dec 17 j 23:07	0°♒	
	-1976 Jan 28 j 15:19	0°♓	
	-1976 Mar 12 j 00:03	0°♈	
asc. node	-1976 Mar 17 j 22:21	4°♈00'26	
evening set	-1976 Apr 15 j 06:26	22°♈53'36	
	-1976 Apr 26 j 02:07	0°♉	
conjunction	-1976 Jun 03 j 22:20	25°♉09'28	0°41'38
minimum elong	-1976 Jun 03 j 21:02	25°♉07'23	0°41'39
	-1976 Jun 11 j 11:36	0°♊	
max. Earth dist.	-1976 Jun 11 j 12:43	0°♊01'47	2.66040 AU
morning rise	-1976 Jul 20 j 09:55	24°♊49'38	
	-1976 Jul 28 j 13:07	0°♋	
	-1976 Sep 13 j 17:46	0°♌	
	-1976 Oct 30 j 22:12	0°♍	
	-1976 Dec 17 j 14:11	0°♎	
	-1975 Feb 05 j 09:35	0°♏	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

desc. node	-1975 Mar 31 j 17:28	27°♏20'28	
	-1975 Apr 07 j 22:25	0°♐	
retrograde	-1975 May 11 j 05:37	6°♐15'24	
opposition	-1975 Jun 10 j 13:18	1°♐14'18	-4°42'07
greatest brilliancy	-1975 Jun 10 j 19:53	1°♐09'53	-2.9m
min. Earth dist.	-1975 Jun 12 j 17:30	0°♐39'15	0.37962 AU
	-1975 Jun 15 j 04:30	30°℞♏	
direct	-1975 Jul 11 j 09:12	25°♏58'56	
	-1975 Aug 05 j 11:05	0°♐	
	-1975 Oct 04 j 23:57	0°♑	
	-1975 Nov 20 j 15:43	0°♒	
	-1974 Jan 04 j 19:25	0°♓	
asc. node	-1974 Feb 02 j 20:54	19°♓11'00	
	-1974 Feb 19 j 09:53	0°♈	
	-1974 Apr 06 j 22:25	0°♉	
	-1974 May 24 j 02:31	0°♊	
evening set	-1974 May 26 j 02:52	1°♊16'40	
max. Earth dist.	-1974 Jul 05 j 02:44	26°♊42'02	2.67006 AU
	-1974 Jul 10 j 06:42	0°♋	
conjunction	-1974 Jul 11 j 17:52	0°♋56'13	1°07'10
minimum elong	-1974 Jul 11 j 17:09	0°♋55'04	1°07'14
morning rise	-1974 Aug 25 j 14:56	29°♋53'47	
	-1974 Aug 25 j 18:44	0°♌	
	-1974 Oct 10 j 04:17	0°♍	
	-1974 Nov 23 j 09:29	0°♎	
	-1973 Jan 05 j 14:25	0°♏	
desc. node	-1973 Feb 16 j 17:22	29°♏39'03	
	-1973 Feb 17 j 05:15	0°♐	
	-1973 Apr 01 j 06:14	0°♑	
	-1973 May 18 j 00:59	0°♒	
retrograde	-1973 Jul 22 j 16:51	23°♒14'18	
min. Earth dist.	-1973 Aug 18 j 22:40	18°♒16'55	0.43344 AU
greatest brilliancy	-1973 Aug 25 j 08:37	16°♒10'16	-2.5m
opposition	-1973 Aug 26 j 17:35	15°♒42'59	-5°31'29
direct	-1973 Sep 27 j 08:34	9°♒33'58	
	-1973 Dec 02 j 12:28	0°♓	
asc. node	-1973 Dec 21 j 19:51	10°♓04'10	
	-1972 Jan 25 j 23:39	0°♈	
	-1972 Mar 16 j 03:53	0°♉	
	-1972 May 04 j 02:21	0°♊	
	-1972 Jun 20 j 23:48	0°♋	
evening set	-1972 Jul 02 j 01:29	7°♋03'14	
max. Earth dist.	-1972 Jul 28 j 16:20	24°♋15'16	2.62604 AU
	-1972 Aug 06 j 10:44	0°♌	
conjunction	-1972 Aug 17 j 10:40	7°♌16'17	1°06'30
minimum elong	-1972 Aug 17 j 11:28	7°♌17'37	1°06'33
	-1972 Sep 20 j 02:57	0°♍	
morning rise	-1972 Oct 02 j 23:15	8°♍51'47	
	-1972 Nov 01 j 23:28	0°♎	
	-1972 Dec 13 j 05:39	0°♏	
desc. node	-1971 Jan 03 j 17:35	15°♏59'56	
	-1971 Jan 22 j 08:16	0°♐	
	-1971 Mar 02 j 22:59	0°♑	
	-1971 Apr 12 j 01:59	0°♒	
	-1971 May 24 j 10:42	0°♓	
	-1971 Jul 12 j 18:41	0°♈	
retrograde	-1971 Sep 08 j 05:35	17°♈40'26	
min. Earth dist.	-1971 Oct 10 j 14:13	10°♈35'20	0.55898 AU
opposition	-1971 Oct 17 j 04:27	8°♈01'51	-0°58'09
greatest brilliancy	-1971 Oct 16 j 23:14	8°♈06'56	-1.9m
asc. node	-1971 Nov 07 j 18:17	1°♈16'35	
	-1971 Nov 17 j 21:32	30°℞♓	
direct	-1971 Nov 22 j 06:07	29°♓52'33	
	-1971 Nov 26 j 16:06	0°♈	
	-1970 Feb 18 j 07:05	0°♉	
	-1970 Apr 13 j 05:10	0°♊	
	-1970 Jun 01 j 22:54	0°♋	
	-1970 Jul 18 j 23:27	0°♌	
evening set	-1970 Aug 10 j 15:59	15°♌05'00	
max. Earth dist.	-1970 Aug 27 j 08:06	26°♌26'15	2.53239 AU
	-1970 Sep 01 j 12:00	0°♍	
conjunction	-1970 Sep 29 j 02:28	19°♍26'11	0°33'45
minimum elong	-1970 Sep 29 j 03:54	19°♍28'45	0°33'43
	-1970 Oct 13 j 17:41	0°♎	
morning rise	-1970 Nov 21 j 06:30	28°♎36'50	
desc. node	-1970 Nov 21 j 16:13	28°♎55'11	
	-1970 Nov 23 j 02:28	0°♏	
	-1969 Jan 01 j 05:04	0°♐	
	-1969 Feb 08 j 19:17	0°♑	
	-1969 Mar 19 j 18:01	0°♒	
	-1969 Apr 29 j 01:42	0°♓	
	-1969 Jun 11 j 02:31	0°♈	
	-1969 Jul 29 j 17:57	0°♉	
asc. node	-1969 Sep 25 j 17:44	24°♉40'45	
retrograde	-1969 Oct 15 j 23:20	27°♉10'17	
min. Earth dist.	-1969 Nov 22 j 01:02	18°♉26'00	0.64686 AU
opposition	-1969 Nov 25 j 01:14	17°♉13'33	2°16'07
greatest brilliancy	-1969 Nov 24 j 18:18	17°♉20'30	-1.5m
direct	-1968 Jan 03 j 04:12	7°♉55'43	
	-1968 Mar 16 j 07:11	0°♊	
	-1968 May 10 j 20:01	0°♋	
	-1968 Jun 28 j 14:46	0°♌	
	-1968 Aug 12 j 14:00	0°♍	
	-1968 Sep 23 j 16:11	0°♎	
evening set	-1968 Sep 25 j 15:08	1°♎26'15	
desc. node	-1968 Oct 08 j 14:22	11°♎03'06	
max. Earth dist.	-1968 Oct 17 j 00:10	17°♎21'44	2.40807 AU
	-1968 Nov 02 j 14:58	0°♏	
conjunction	-1968 Nov 22 j 08:09	15°♏13'38	-0°29'48
minimum elong	-1968 Nov 22 j 06:03	15°♏09'33	0°29'49
	-1968 Dec 11 j 05:51	0°♐	
	-1967 Jan 18 j 09:33	0°♑	
morning rise	-1967 Jan 27 j 10:40	7°♑05'28	
	-1967 Feb 25 j 23:26	0°♒	
	-1967 Apr 06 j 20:17	0°♓	
	-1967 May 18 j 19:32	0°♈	
	-1967 Jul 02 j 19:42	0°♉	
asc. node	-1967 Aug 12 j 18:13	24°♉51'19	
	-1967 Aug 21 j 22:16	0°♊	
	-1967 Nov 03 j 19:35	0°♋	
retrograde	-1967 Nov 18 j 14:23	1°♋18'09	
	-1967 Dec 02 j 17:18	30°℞♊	
opposition	-1967 Dec 28 j 11:01	21°♊43'46	4°09'14
greatest brilliancy	-1967 Dec 28 j 12:11	21°♊42'37	-1.3m
min. Earth dist.	-1967 Dec 29 j 06:39	21°♊24'13	0.67398 AU
direct	-1966 Feb 07 j 08:49	11°♊50'25	
	-1966 Apr 12 j 15:23	0°♋	
	-1966 Jun 06 j 18:43	0°♌	
	-1966 Jul 23 j 11:16	0°♍	
desc. node	-1966 Aug 26 j 12:56	23°♍50'25	
	-1966 Sep 04 j 00:34	0°♎	
	-1966 Oct 13 j 23:28	0°♏	
	-1966 Nov 21 j 11:09	0°♐	
evening set	-1966 Nov 26 j 14:30	4°♐03'00	
	-1966 Dec 29 j 12:08	0°♑	
conjunction	-1965 Feb 01 j 02:01	26°♑10'36	-1°05'52
minimum elong	-1965 Feb 01 j 02:48	26°♑12'07	1°05'54
	-1965 Feb 06 j 01:20	0°♒	
	-1965 Mar 17 j 22:38	0°♓	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

max. Earth dist.	-1965 Mar 23 j 12:55	4°♓06'08	2.43003 AU
morning rise	-1965 Apr 07 j 20:16	15°♓10'56	
	-1965 Apr 28 j 18:58	0°♈	
	-1965 Jun 12 j 00:24	0°♉	
asc. node	-1965 Jun 30 j 16:55	12°♉09'54	
	-1965 Jul 29 j 00:32	0°♊	
	-1965 Sep 18 j 05:05	0°♋	
	-1965 Nov 23 j 08:03	0°♌	
retrograde	-1965 Dec 25 j 03:17	5°♌20'31	
	-1964 Jan 23 j 07:53	30°℞♋	
opposition	-1964 Feb 01 j 16:20	26°♋31'26	4°48'14
greatest brilliancy	-1964 Feb 02 j 09:51	26°♋14'27	-1.4m
min. Earth dist.	-1964 Feb 06 j 08:45	24°♋42'29	0.63617 AU
direct	-1964 Mar 13 j 22:50	16°♋32'04	
	-1964 May 05 j 03:51	0°♌	
	-1964 Jun 28 j 21:21	0°♍	
desc. node	-1964 Jul 13 j 11:45	9°♍23'53	
	-1964 Aug 12 j 12:15	0°♎	
	-1964 Sep 22 j 04:47	0°♏	
	-1964 Oct 31 j 00:38	0°♐	
	-1964 Dec 08 j 07:57	0°♑	
	-1963 Jan 16 j 04:23	0°♒	
evening set	-1963 Feb 02 j 13:09	13°♒06'12	
	-1963 Feb 25 j 10:03	0°♓	
conjunction	-1963 Apr 03 j 10:19	26°♓25'14	-0°25'58
minimum elong	-1963 Apr 03 j 11:47	26°♓27'46	0°25'57
	-1963 Apr 08 j 13:39	0°♈	
max. Earth dist.	-1963 May 05 j 22:42	18°♈43'36	2.55742 AU
asc. node	-1963 May 17 j 15:24	26°♈33'46	
	-1963 May 22 j 19:35	0°♉	
morning rise	-1963 May 28 j 01:37	3°♉28'17	
	-1963 Jul 08 j 00:55	0°♊	
	-1963 Aug 25 j 03:35	0°♋	
	-1963 Oct 14 j 21:38	0°♌	
	-1963 Dec 12 j 09:46	0°♍	
retrograde	-1962 Feb 06 j 13:51	14°♍27'19	
opposition	-1962 Mar 14 j 10:00	6°♍54'50	3°37'12
greatest brilliancy	-1962 Mar 15 j 12:29	6°♍30'55	-1.9m
min. Earth dist.	-1962 Mar 22 j 09:47	4°♍01'59	0.53610 AU
	-1962 Apr 04 j 14:02	30°℞♌	
direct	-1962 Apr 22 j 21:43	27°♌43'55	
	-1962 May 11 j 18:24	0°♍	
desc. node	-1962 May 31 j 10:23	6°♍18'40	
	-1962 Jul 15 j 11:42	0°♎	
	-1962 Aug 28 j 20:40	0°♏	
	-1962 Oct 08 j 07:08	0°♐	
	-1962 Nov 16 j 15:58	0°♑	
	-1962 Dec 26 j 10:15	0°♒	
	-1961 Feb 05 j 12:09	0°♓	
	-1961 Mar 20 j 09:17	0°♈	
evening set	-1961 Mar 29 j 10:51	6°♈10'35	
asc. node	-1961 Apr 04 j 14:40	10°♈20'30	
	-1961 May 04 j 02:57	0°♉	
conjunction	-1961 May 20 j 04:14	10°♉30'39	0°25'44
minimum elong	-1961 May 20 j 03:13	10°♉29'00	0°25'45
max. Earth dist.	-1961 Jun 03 j 03:45	19°♉34'34	2.64180 AU
	-1961 Jun 19 j 08:30	0°♊	
morning rise	-1961 Jul 07 j 03:09	11°♊21'18	
	-1961 Aug 05 j 12:52	0°♋	
	-1961 Sep 22 j 06:45	0°♌	
	-1961 Nov 09 j 19:16	0°♍	
	-1961 Dec 30 j 15:03	0°♎	
	-1960 Mar 01 j 01:14	0°♏	
retrograde	-1960 Apr 09 j 14:46	8°♏11'57	
desc. node	-1960 Apr 17 j 10:54	7°♏49'12	
opposition	-1960 May 11 j 03:54	2°♏39'48	-1°34'08
greatest brilliancy	-1960 May 11 j 12:24	2°♏33'34	-2.7m
min. Earth dist.	-1960 May 17 j 16:09	0°♏45'45	0.40868 AU
	-1960 May 20 j 09:30	30°℞♎	
direct	-1960 Jun 13 j 17:03	26°♎14'37	
	-1960 Jul 07 j 18:19	0°♏	
	-1960 Sep 05 j 06:14	0°♐	
	-1960 Oct 19 j 22:13	0°♑	
	-1960 Dec 01 j 17:37	0°♒	
	-1959 Jan 13 j 23:00	0°♓	
asc. node	-1959 Feb 19 j 12:26	24°♓44'24	
	-1959 Feb 27 j 09:55	0°♈	
	-1959 Apr 14 j 05:31	0°♉	
evening set	-1959 May 10 j 20:49	17°♉07'51	
	-1959 May 31 j 00:18	0°♊	
max. Earth dist.	-1959 Jun 25 j 23:10	16°♊32'04	2.67283 AU
conjunction	-1959 Jun 27 j 07:43	17°♊23'54	1°00'07
minimum elong	-1959 Jun 27 j 06:36	17°♊22'07	1°00'09
	-1959 Jul 17 j 01:57	0°♋	
morning rise	-1959 Aug 11 j 10:53	16°♋15'07	
	-1959 Sep 01 j 18:25	0°♌	
	-1959 Oct 17 j 16:45	0°♍	
	-1959 Dec 01 j 20:59	0°♎	
	-1958 Jan 15 j 14:15	0°♏	
	-1958 Mar 01 j 15:19	0°♐	
desc. node	-1958 Mar 05 j 10:58	2°♐29'57	
	-1958 Apr 18 j 16:36	0°♑	
retrograde	-1958 Jun 27 j 22:01	25°♑05'26	
min. Earth dist.	-1958 Jul 24 j 14:52	20°♑38'28	0.39292 AU
greatest brilliancy	-1958 Jul 29 j 01:28	19°♑21'33	-2.8m
opposition	-1958 Jul 30 j 05:59	19°♑00'47	-6°42'28
direct	-1958 Aug 29 j 08:30	13°♑44'03	
	-1958 Oct 24 j 18:20	0°♒	
	-1958 Dec 17 j 23:16	0°♓	
asc. node	-1957 Jan 07 j 10:41	12°♓23'25	
	-1957 Feb 05 j 00:27	0°♈	
	-1957 Mar 25 j 06:27	0°♉	
	-1957 May 12 j 08:00	0°♊	
evening set	-1957 Jun 18 j 09:19	23°♊20'13	
	-1957 Jun 28 j 20:50	0°♋	
max. Earth dist.	-1957 Jul 19 j 23:08	13°♋31'27	2.64952 AU
conjunction	-1957 Aug 03 j 12:50	22°♋58'13	1°10'13
minimum elong	-1957 Aug 03 j 13:01	22°♋58'30	1°10'16
	-1957 Aug 14 j 06:54	0°♌	
morning rise	-1957 Sep 17 j 23:11	23°♌04'35	
	-1957 Sep 28 j 04:20	0°♍	
	-1957 Nov 10 j 11:07	0°♎	
	-1957 Dec 22 j 07:26	0°♏	
desc. node	-1956 Jan 21 j 09:47	22°♏04'39	
	-1956 Feb 01 j 02:44	0°♐	
	-1956 Mar 12 j 12:49	0°♑	
	-1956 Apr 22 j 19:09	0°♒	
	-1956 Jun 06 j 18:57	0°♓	
retrograde	-1956 Aug 22 j 04:51	29°♓08'16	
min. Earth dist.	-1956 Sep 21 j 09:57	22°♓52'47	0.51106 AU
greatest brilliancy	-1956 Sep 28 j 09:48	20°♓16'31	-2.1m
opposition	-1956 Sep 29 j 02:09	20°♓01'17	-2°39'36
direct	-1956 Nov 02 j 13:05	12°♓32'32	
asc. node	-1956 Nov 24 j 10:35	15°♓22'09	
	-1955 Jan 03 j 00:43	0°♈	
	-1955 Mar 01 j 04:05	0°♉	
	-1955 Apr 21 j 09:38	0°♊	
	-1955 Jun 09 j 05:26	0°♋	
evening set	-1955 Jul 25 j 18:49	29°♋53'12	
	-1955 Jul 25 j 22:58	0°♌	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

max. Earth dist.	-1955 Aug 14 j 17:17	13°♌07'47	2.57431 AU
	-1955 Sep 08 j 11:54	0°♍	
conjunction	-1955 Sep 11 j 12:57	2°♍06'18	0°50'38
minimum elong	-1955 Sep 11 j 14:26	2°♍08'53	0°50'38
	-1955 Oct 20 j 22:17	0°♎	
morning rise	-1955 Oct 31 j 07:16	7°♎32'47	
	-1955 Nov 30 j 13:56	0°♏	
desc. node	-1955 Dec 08 j 08:53	5°♏52'10	
	-1954 Jan 08 j 24:00	0°♐	
	-1954 Feb 16 j 21:25	0°♑	
	-1954 Mar 28 j 03:22	0°♒	
	-1954 May 07 j 21:47	0°♓	
	-1954 Jun 21 j 01:22	0°♈	
	-1954 Aug 13 j 15:08	0°♉	
retrograde	-1954 Oct 01 j 23:43	12°♉58'25	
asc. node	-1954 Oct 12 j 10:10	12°♉12'52	
min. Earth dist.	-1954 Nov 06 j 08:35	4°♉48'35	0.61911 AU
opposition	-1954 Nov 10 j 19:33	3°♉01'51	1°11'29
greatest brilliancy	-1954 Nov 10 j 14:17	3°♉07'07	-1.6m
	-1954 Nov 18 j 15:35	30°℞♈	
direct	-1954 Dec 18 j 21:11	24°♈06'07	
	-1953 Jan 21 j 09:43	0°♉	
	-1953 Mar 28 j 19:29	0°♊	
	-1953 May 20 j 03:42	0°♋	
	-1953 Jul 07 j 01:12	0°♌	
	-1953 Aug 20 j 18:44	0°♍	
evening set	-1953 Sep 06 j 23:28	12°♍02'45	
max. Earth dist.	-1953 Sep 22 j 02:46	22°♍53'02	2.45722 AU
	-1953 Oct 01 j 21:34	0°♎	
desc. node	-1953 Oct 26 j 07:44	18°♎07'49	
conjunction	-1953 Oct 30 j 17:17	21°♎26'45	-0°03'02
minimum elong	-1953 Oct 30 j 17:07	21°♎26'25	0°03'02
behind sun begin	-1953 Oct 29 j 17:20	20°♎41'33	
behind sun end	-1953 Oct 31 j 16:54	22°♎11'20	
	-1953 Nov 10 j 23:32	0°♏	
	-1953 Dec 19 j 18:03	0°♐	
morning rise	-1953 Dec 30 j 13:07	8°♐26'57	
	-1952 Jan 27 j 00:45	0°♑	
	-1952 Mar 05 j 16:32	0°♒	
	-1952 Apr 14 j 15:12	0°♓	
	-1952 May 26 j 19:38	0°♈	
	-1952 Jul 11 j 14:06	0°♉	
asc. node	-1952 Aug 29 j 09:09	27°♉42'45	
	-1952 Sep 03 j 00:25	0°♊	
retrograde	-1952 Nov 05 j 04:38	18°♊28'31	
opposition	-1952 Dec 15 j 06:21	8°♊42'26	3°33'57
greatest brilliancy	-1952 Dec 15 j 02:47	8°♊45'59	-1.3m
min. Earth dist.	-1952 Dec 14 j 13:57	8°♊58'51	0.67105 AU
	-1951 Jan 12 j 02:42	30°℞♉	
direct	-1951 Jan 24 j 14:48	28°♉59'41	
	-1951 Feb 06 j 17:29	0°♊	
	-1951 Apr 24 j 23:03	0°♋	
	-1951 Jun 15 j 11:20	0°♌	
	-1951 Jul 31 j 06:23	0°♍	
	-1951 Sep 11 j 13:36	0°♎	
desc. node	-1951 Sep 12 j 05:27	0°♎29'03	
	-1951 Oct 21 j 11:34	0°♏	
evening set	-1951 Oct 31 j 09:04	7°♏38'04	
	-1951 Nov 28 j 23:45	0°♐	
conjunction	-1950 Jan 03 j 18:37	28°♐12'51	-1°02'00
minimum elong	-1950 Jan 03 j 16:27	28°♐08'37	1°02'01
	-1950 Jan 06 j 01:05	0°♑	
max. Earth dist.	-1950 Feb 09 j 10:01	26°♑48'22	2.38286 AU
	-1950 Feb 13 j 13:35	0°♒	
morning rise	-1950 Mar 13 j 14:12	21°♒14'49	
	-1950 Mar 25 j 09:20	0°♓	
	-1950 May 06 j 04:47	0°♈	
	-1950 Jun 19 j 13:26	0°♉	
asc. node	-1950 Jul 17 j 08:50	17°♉47'49	
	-1950 Aug 06 j 06:35	0°♊	
	-1950 Sep 29 j 09:36	0°♋	
retrograde	-1950 Dec 10 j 09:06	21°♋59'57	
opposition	-1949 Jan 18 j 13:56	12°♋50'13	4°42'44
greatest brilliancy	-1949 Jan 19 j 00:48	12°♋39'33	-1.4m
min. Earth dist.	-1949 Jan 21 j 18:16	11°♋35'12	0.65883 AU
direct	-1949 Feb 28 j 21:47	2°♋48'48	
	-1949 May 20 j 17:50	0°♌	
	-1949 Jul 09 j 12:52	0°♍	
desc. node	-1949 Jul 31 j 04:40	14°♍34'39	
	-1949 Aug 22 j 00:32	0°♎	
	-1949 Oct 01 j 07:13	0°♏	
	-1949 Nov 08 j 22:05	0°♐	
	-1949 Dec 17 j 01:33	0°♑	
evening set	-1948 Jan 08 j 18:03	17°♑41'34	
	-1948 Jan 24 j 17:49	0°♒	
	-1948 Mar 04 j 18:51	0°♓	
conjunction	-1948 Mar 12 j 09:39	5°♓33'20	-0°46'16
minimum elong	-1948 Mar 12 j 12:07	5°♓37'49	0°46'16
	-1948 Apr 15 j 18:12	0°♈	
max. Earth dist.	-1948 Apr 22 j 02:01	4°♈23'33	2.51125 AU
morning rise	-1948 May 10 j 00:41	16°♈40'30	
	-1948 May 29 j 21:57	0°♉	
asc. node	-1948 Jun 03 j 07:14	2°♉53'59	
	-1948 Jul 15 j 07:03	0°♊	
	-1948 Sep 02 j 03:58	0°♋	
	-1948 Oct 25 j 13:30	0°♌	
retrograde	-1947 Jan 18 j 18:15	28°♌20'45	
opposition	-1947 Feb 24 j 21:03	20°♌13'08	4°23'11
greatest brilliancy	-1947 Feb 25 j 22:48	19°♌49'00	-1.7m
min. Earth dist.	-1947 Mar 03 j 18:14	17°♌38'30	0.58211 AU
direct	-1947 Apr 06 j 10:17	10°♌32'58	
	-1947 Jun 08 j 07:36	0°♍	
desc. node	-1947 Jun 17 j 04:25	4°♍47'22	
	-1947 Jul 27 j 18:06	0°♎	
	-1947 Sep 07 j 21:50	0°♏	
	-1947 Oct 17 j 10:11	0°♐	
	-1947 Nov 25 j 04:55	0°♑	
	-1946 Jan 03 j 11:31	0°♒	
	-1946 Feb 13 j 02:55	0°♓	
evening set	-1946 Mar 09 j 21:55	17°♓39'59	
	-1946 Mar 27 j 15:12	0°♈	
asc. node	-1946 Apr 21 j 05:13	16°♈44'22	
conjunction	-1946 May 03 j 08:13	24°♈51'10	0°07'08
minimum elong	-1946 May 03 j 07:52	24°♈50'35	0°07'09
behind sun begin	-1946 May 02 j 12:21	24°♈18'07	
behind sun end	-1946 May 04 j 03:23	25°♈23'01	
	-1946 May 11 j 02:30	0°♉	
max. Earth dist.	-1946 May 24 j 01:21	8°♉31'03	2.61501 AU
morning rise	-1946 Jun 22 j 08:28	27°♉29'53	
	-1946 Jun 26 j 06:05	0°♊	
	-1946 Aug 12 j 15:48	0°♋	
	-1946 Sep 30 j 04:39	0°♌	
	-1946 Nov 19 j 19:20	0°♍	
	-1945 Jan 16 j 15:59	0°♎	
retrograde	-1945 Mar 13 j 21:29	14°♎42'47	
opposition	-1945 Apr 16 j 05:46	8°♎19'38	1°07'04
greatest brilliancy	-1945 Apr 16 j 15:45	8°♎11'28	-2.4m
min. Earth dist.	-1945 Apr 24 j 12:13	5°♎38'11	0.45620 AU
desc. node	-1945 May 05 j 03:04	2°♎40'46	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

direct	-1945 May 22 j 17:03	0°♎33'21	
	-1945 Aug 07 j 11:56	0°♏	
	-1945 Sep 20 j 23:54	0°♐	
	-1945 Nov 01 j 07:19	0°♑	
	-1945 Dec 12 j 08:54	0°♒	
	-1944 Jan 23 j 10:42	0°♓	
	-1944 Mar 07 j 02:25	0°♈	
asc. node	-1944 Mar 08 j 04:26	0°♈43'50	
	-1944 Apr 21 j 09:04	0°♉	
evening set	-1944 Apr 24 j 21:02	2°♉16'46	
	-1944 Jun 06 j 20:52	0°♊	
conjunction	-1944 Jun 12 j 14:58	3°♊40'46	0°49'26
minimum elong	-1944 Jun 12 j 13:39	3°♊38'40	0°49'27
max. Earth dist.	-1944 Jun 16 j 23:41	6°♊27'57	2.66712 AU
	-1944 Jul 23 j 21:51	0°♋	
morning rise	-1944 Jul 28 j 11:47	2°♋55'06	
	-1944 Sep 08 j 21:18	0°♌	
	-1944 Oct 25 j 13:11	0°♍	
	-1944 Dec 11 j 02:39	0°♎	
	-1943 Jan 27 j 09:23	0°♏	
	-1943 Mar 19 j 04:41	0°♐	
desc. node	-1943 Mar 22 j 02:35	1°♐33'56	
retrograde	-1943 May 29 j 05:52	24°♐01'55	
opposition	-1943 Jun 28 j 19:04	18°♐55'42	-6°03'26
min. Earth dist.	-1943 Jun 27 j 19:43	19°♐11'15	0.37576 AU
greatest brilliancy	-1943 Jun 28 j 13:01	18°♐59'44	-2.9m
direct	-1943 Jul 28 j 15:05	13°♐57'24	
	-1943 Sep 21 j 09:30	0°♑	
	-1943 Nov 12 j 12:09	0°♒	
	-1943 Dec 29 j 11:22	0°♓	
asc. node	-1942 Jan 24 j 03:02	16°♓34'32	
	-1942 Feb 13 j 23:23	0°♈	
	-1942 Apr 01 j 23:33	0°♉	
	-1942 May 19 j 09:55	0°♊	
evening set	-1942 Jun 03 j 16:22	9°♊39'20	
	-1942 Jul 05 j 16:39	0°♋	
max. Earth dist.	-1942 Jul 10 j 13:02	3°♋06'02	2.66498 AU
conjunction	-1942 Jul 20 j 00:32	9°♋10'48	1°09'30
minimum elong	-1942 Jul 20 j 00:07	9°♋10'08	1°09'32
	-1942 Aug 21 j 03:43	0°♌	
morning rise	-1942 Sep 02 j 22:49	8°♌23'58	
	-1942 Oct 05 j 08:48	0°♍	
	-1942 Nov 18 j 05:18	0°♎	
	-1942 Dec 30 j 20:57	0°♏	
desc. node	-1941 Feb 07 j 02:44	27°♏25'19	
	-1941 Feb 10 j 16:36	0°♐	
	-1941 Mar 24 j 11:01	0°♑	
	-1941 May 07 j 02:59	0°♒	
	-1941 Jun 30 j 12:39	0°♓	
retrograde	-1941 Aug 03 j 22:57	7°♓35'14	
min. Earth dist.	-1941 Sep 01 j 02:18	2°♓12'06	0.46032 AU
	-1941 Sep 07 j 10:32	30°℞♒	
greatest brilliancy	-1941 Sep 08 j 00:47	29°♒47'32	-2.4m
opposition	-1941 Sep 09 j 05:18	29°♒22'41	-4°30'47
direct	-1941 Oct 11 j 20:15	22°♒43'34	
	-1941 Nov 17 j 04:53	0°♓	
asc. node	-1941 Dec 12 j 01:32	10°♓27'41	
	-1940 Jan 18 j 15:28	0°♈	
	-1940 Mar 10 j 12:07	0°♉	
	-1940 Apr 29 j 02:43	0°♊	
	-1940 Jun 16 j 07:17	0°♋	
evening set	-1940 Jul 10 j 14:18	15°♋30'39	
	-1940 Aug 01 j 20:22	0°♌	
max. Earth dist.	-1940 Aug 03 j 17:25	1°♌14'07	2.60953 AU
conjunction	-1940 Aug 26 j 07:47	16°♌17'12	1°02'09
minimum elong	-1940 Aug 26 j 08:53	16°♌19'04	1°02'10
	-1940 Sep 15 j 11:34	0°♍	
morning rise	-1940 Oct 12 j 18:24	19°♍01'04	
	-1940 Oct 28 j 04:30	0°♎	
	-1940 Dec 08 j 05:28	0°♏	
desc. node	-1940 Dec 25 j 01:16	12°♏35'03	
	-1939 Jan 17 j 01:42	0°♐	
	-1939 Feb 25 j 09:21	0°♑	
	-1939 Apr 06 j 02:41	0°♒	
	-1939 May 17 j 16:04	0°♓	
	-1939 Jul 03 j 02:46	0°♈	
retrograde	-1939 Sep 17 j 05:15	27°♈35'48	
min. Earth dist.	-1939 Oct 20 j 16:42	20°♈05'49	0.58250 AU
opposition	-1939 Oct 26 j 13:12	17°♈47'37	-0°06'30
greatest brilliancy	-1940 Apr 18 j 01:44	23°♉14'47	1.6m
asc. node	-1939 Oct 29 j 01:08	16°♈49'01	
direct	-1939 Dec 02 j 09:03	9°♈19'48	
	-1938 Feb 09 j 21:06	0°♉	
	-1938 Apr 07 j 10:28	0°♊	
	-1938 May 27 j 22:55	0°♋	
	-1938 Jul 14 j 06:25	0°♌	
evening set	-1938 Aug 20 j 04:27	24°♌42'18	
	-1938 Aug 27 j 20:55	0°♍	
max. Earth dist.	-1938 Sep 04 j 14:02	5°♍21'57	2.50645 AU
conjunction	-1938 Oct 09 j 22:12	0°♎37'19	0°21'38
minimum elong	-1938 Oct 09 j 23:18	0°♎39'19	0°21'37
	-1938 Oct 09 j 01:44	0°♎	
desc. node	-1938 Nov 12 j 00:16	25°♎12'25	
	-1938 Nov 18 j 08:08	0°♏	
morning rise	-1938 Dec 04 j 13:16	12°♏23'31	
	-1938 Dec 27 j 07:33	0°♐	
	-1937 Feb 03 j 18:41	0°♑	
	-1937 Mar 14 j 14:12	0°♒	
	-1937 Apr 23 j 17:08	0°♓	
	-1937 Jun 05 j 07:33	0°♈	
	-1937 Jul 22 j 11:17	0°♉	
asc. node	-1937 Sep 16 j 00:47	27°♉35'57	
	-1937 Sep 23 j 00:27	0°♊	
retrograde	-1937 Oct 23 j 19:04	5°♊22'00	
	-1937 Nov 21 j 04:39	30°℞♉	
min. Earth dist.	-1937 Nov 30 j 17:39	26°♉20'19	0.65825 AU
opposition	-1937 Dec 02 j 21:48	25°♉27'56	2°48'00
greatest brilliancy	-1937 Dec 02 j 15:21	25°♉34'24	-1.4m
direct	-1936 Jan 11 j 12:12	16°♉00'04	
	-1936 Mar 06 j 22:33	0°♊	
	-1936 May 04 j 22:33	0°♋	
	-1936 Jun 23 j 12:54	0°♌	
	-1936 Aug 07 j 19:03	0°♍	
	-1936 Sep 18 j 23:20	0°♎	
desc. node	-1936 Sep 28 j 23:35	7°♎23'11	
evening set	-1936 Oct 07 j 17:35	13°♎55'12	
	-1936 Oct 28 j 22:02	0°♏	
max. Earth dist.	-1936 Nov 08 j 11:03	8°♏07'26	2.38517 AU
conjunction	-1936 Dec 06 j 22:58	0°♐22'08	-0°43'58
minimum elong	-1936 Dec 06 j 20:05	0°♐16'28	0°43'59
	-1936 Dec 06 j 11:42	0°♐	
	-1935 Jan 13 j 14:02	0°♑	
morning rise	-1935 Feb 13 j 04:54	23°♑54'20	
	-1935 Feb 21 j 02:34	0°♒	
	-1935 Apr 01 j 21:45	0°♓	
	-1935 May 13 j 18:04	0°♈	
	-1935 Jun 27 j 09:46	0°♉	
asc. node	-1935 Aug 02 j 23:14	22°♉45'48	
	-1935 Aug 15 j 07:40	0°♊	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-1935 Oct 15 j 00:24	0°♋	
retrograde	-1935 Nov 26 j 10:28	9°♋06'27	
	-1934 Jan 04 j 06:20	30℞♊	
opposition	-1934 Jan 05 j 02:27	29°♊40'03	4°24'46
greatest brilliancy	-1934 Jan 05 j 06:53	29°♊35'39	-1.3m
min. Earth dist.	-1934 Jan 06 j 18:30	29°♊00'18	0.67145 AU
direct	-1934 Feb 15 j 05:02	19°♊42'31	
	-1934 Apr 02 j 00:49	0°♋	
	-1934 May 31 j 14:20	0°♌	
	-1934 Jul 18 j 04:21	0°♍	
desc. node	-1934 Aug 16 j 21:52	20°♍33'03	
	-1934 Aug 30 j 01:03	0°♎	
	-1934 Oct 09 j 02:51	0°♏	
	-1934 Nov 16 j 15:33	0°♐	
evening set	-1934 Dec 12 j 01:56	20°♐03'14	
	-1934 Dec 24 j 17:04	0°♑	
	-1933 Feb 01 j 06:36	0°♒	
conjunction	-1933 Feb 16 j 08:29	11°♒29'12	-1°01'37
minimum elong	-1933 Feb 16 j 10:33	11°♒33'07	1°01'38
	-1933 Mar 13 j 04:02	0°♓	
max. Earth dist.	-1933 Apr 05 j 13:14	16°♓57'36	2.45923 AU
morning rise	-1933 Apr 20 j 16:05	27°♓40'00	
	-1933 Apr 24 j 00:05	0°♈	
	-1933 Jun 07 j 03:07	0°♉	
asc. node	-1933 Jun 20 j 22:26	9°♉03'16	
	-1933 Jul 23 j 19:21	0°♊	
	-1933 Sep 11 j 21:00	0°♋	
	-1933 Nov 09 j 13:21	0°♌	
retrograde	-1932 Jan 03 j 01:18	13°♌43'59	
opposition	-1932 Feb 10 j 03:36	5°♌08'14	4°44'14
greatest brilliancy	-1932 Feb 11 j 00:36	4°♌48'03	-1.5m
min. Earth dist.	-1932 Feb 15 j 15:45	3°♌01'24	0.61950 AU
	-1932 Feb 24 j 00:42	30℞♋	
direct	-1932 Mar 22 j 06:22	25°♋12'51	
	-1932 Apr 20 j 07:21	0°♌	
	-1932 Jun 21 j 22:49	0°♍	
desc. node	-1932 Jul 03 j 20:19	7°♍20'34	
	-1932 Aug 06 j 17:56	0°♎	
	-1932 Sep 16 j 20:34	0°♏	
	-1932 Oct 25 j 21:09	0°♐	
	-1932 Dec 03 j 07:41	0°♑	
	-1931 Jan 11 j 06:50	0°♒	
evening set	-1931 Feb 16 j 00:30	26°♒38'46	
	-1931 Feb 20 j 14:49	0°♓	
	-1931 Apr 03 j 20:22	0°♈	
conjunction	-1931 Apr 14 j 19:56	7°♈34'17	-0°13'42
minimum elong	-1931 Apr 14 j 20:41	7°♈35'33	0°13'40
behind sun begin	-1931 Apr 14 j 09:02	7°♈15'37	
behind sun end	-1931 Apr 15 j 08:19	7°♈55'28	
asc. node	-1931 May 07 j 21:56	23°♈12'01	
max. Earth dist.	-1931 May 12 j 21:07	26°♈31'02	2.57994 AU
	-1931 May 18 j 02:53	0°♉	
morning rise	-1931 Jun 06 j 14:51	12°♉48'52	
	-1931 Jul 03 j 06:15	0°♊	
	-1931 Aug 20 j 00:41	0°♋	
	-1931 Oct 08 j 18:09	0°♌	
	-1931 Dec 02 j 02:51	0°♍	
retrograde	-1930 Feb 18 j 09:31	24°♍55'18	
opposition	-1930 Mar 25 j 09:32	17°♍45'12	2°55'13
greatest brilliancy	-1930 Mar 26 j 09:05	17°♍24'30	-2.1m
min. Earth dist.	-1930 Apr 02 j 17:59	14°♍49'27	0.50835 AU
direct	-1930 May 03 j 00:31	8°♍57'48	
desc. node	-1930 May 21 j 19:50	11°♍15'07	
	-1930 Jul 05 j 16:59	0°♎	
	-1930 Aug 21 j 20:16	0°♏	
	-1930 Oct 02 j 04:18	0°♐	
	-1930 Nov 11 j 00:40	0°♑	
	-1930 Dec 21 j 03:07	0°♒	
	-1929 Jan 31 j 11:15	0°♓	
	-1929 Mar 15 j 13:25	0°♈	
asc. node	-1929 Mar 25 j 20:14	6°♈58'38	
evening set	-1929 Apr 08 j 19:22	16°♈20'50	
	-1929 Apr 29 j 10:26	0°♉	
conjunction	-1929 May 29 j 07:31	19°♉26'45	0°35'20
minimum elong	-1929 May 29 j 06:18	19°♉24'47	0°35'21
max. Earth dist.	-1929 Jun 08 j 18:01	26°♉10'00	2.65311 AU
	-1929 Jun 14 j 17:21	0°♊	
morning rise	-1929 Jul 15 j 09:09	19°♊33'59	
	-1929 Jul 31 j 19:31	0°♋	
	-1929 Sep 17 j 05:17	0°♌	
	-1929 Nov 03 j 22:16	0°♍	
	-1929 Dec 22 j 17:19	0°♎	
	-1928 Feb 13 j 14:13	0°♏	
desc. node	-1928 Apr 07 j 19:04	21°♏40'27	
retrograde	-1928 Apr 27 j 03:08	23°♏52'02	
opposition	-1928 May 27 j 18:34	18°♏41'52	-3°22'07
greatest brilliancy	-1928 May 28 j 05:47	18°♏34'07	-2.8m
min. Earth dist.	-1928 Jun 01 j 04:42	17°♏28'27	0.38957 AU
direct	-1928 Jun 28 j 17:49	12°♏59'33	
	-1928 Aug 23 j 01:11	0°♐	
	-1928 Oct 11 j 14:17	0°♑	
	-1928 Nov 25 j 02:48	0°♒	
	-1927 Jan 08 j 05:53	0°♓	
asc. node	-1927 Feb 09 j 18:37	21°♓45'47	
	-1927 Feb 22 j 06:00	0°♈	
	-1927 Apr 09 j 09:34	0°♉	
evening set	-1927 May 19 j 16:09	25°♉44'15	
	-1927 May 26 j 08:57	0°♊	
max. Earth dist.	-1927 Jul 01 j 06:13	22°♊49'50	2.67232 AU
conjunction	-1927 Jul 05 j 14:45	25°♊36'27	1°04'41
minimum elong	-1927 Jul 05 j 13:51	25°♊35'00	1°04'42
	-1927 Jul 12 j 11:55	0°♋	
morning rise	-1927 Aug 19 j 13:05	24°♋27'31	
	-1927 Aug 28 j 02:03	0°♌	
	-1927 Oct 12 j 17:28	0°♍	
	-1927 Nov 26 j 08:22	0°♎	
	-1926 Jan 09 j 03:53	0°♏	
	-1926 Feb 21 j 15:44	0°♐	
desc. node	-1926 Feb 23 j 18:41	1°♐27'27	
	-1926 Apr 07 j 05:11	0°♑	
	-1926 May 28 j 23:17	0°♒	
retrograde	-1926 Jul 12 j 10:44	11°♒54'45	
min. Earth dist.	-1926 Aug 08 j 05:21	7°♒14'55	0.41347 AU
greatest brilliancy	-1926 Aug 13 j 22:51	5°♒27'46	-2.7m
opposition	-1926 Aug 15 j 08:12	5°♒01'35	-6°10'55
	-1926 Sep 04 j 22:47	30℞♑	
direct	-1926 Sep 15 j 05:06	29°♑17'15	
	-1926 Sep 25 j 16:28	0°♒	
	-1926 Dec 09 j 05:30	0°♓	
asc. node	-1926 Dec 28 j 17:33	11°♓02'02	
	-1925 Jan 29 j 18:28	0°♈	
	-1925 Mar 19 j 23:42	0°♉	
	-1925 May 07 j 12:20	0°♊	
	-1925 Jun 24 j 06:10	0°♋	
evening set	-1925 Jun 26 j 18:36	1°♋36'05	
max. Earth dist.	-1925 Jul 25 j 14:23	20°♋07'31	2.63762 AU
	-1925 Aug 09 j 17:20	0°♌	
conjunction	-1925 Aug 11 j 23:47	1°♌29'29	1°08'37
minimum elong	-1925 Aug 12 j 00:19	1°♌30'22	1°08'40

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-1925 Sep 23 j 12:47	0°♍	
morning rise	-1925 Sep 26 j 22:40	2°♍20'03	
	-1925 Nov 05 j 14:27	0°♎	
	-1925 Dec 17 j 03:17	0°♏	
desc. node	-1924 Jan 11 j 19:12	18°♏59'02	
	-1924 Jan 26 j 12:54	0°♐	
	-1924 Mar 06 j 11:04	0°♑	
	-1924 Apr 15 j 23:13	0°♒	
	-1924 May 29 j 02:22	0°♓	
	-1924 Jul 21 j 02:42	0°♈	
retrograde	-1924 Sep 01 j 04:42	10°♈26'56	
min. Earth dist.	-1924 Oct 02 j 14:22	3°♈42'59	0.53832 AU
opposition	-1924 Oct 09 j 16:59	0°♈59'56	-1°39'25
greatest brilliancy	-1924 Oct 09 j 07:24	1°♈09'06	-2.0m
	-1924 Oct 12 j 08:11	30°℞♓	
direct	-1924 Nov 14 j 02:12	23°♓07'24	
asc. node	-1924 Nov 14 j 16:14	23°♓07'32	
	-1924 Dec 19 j 22:31	0°♈	
	-1923 Feb 22 j 09:23	0°♉	
	-1923 Apr 16 j 00:58	0°♊	
	-1923 Jun 04 j 09:24	0°♋	
	-1923 Jul 21 j 07:43	0°♌	
evening set	-1923 Aug 03 j 17:53	8°♌52'08	
max. Earth dist.	-1923 Aug 21 j 18:54	21°♌00'42	2.55200 AU
	-1923 Sep 03 j 21:39	0°♍	
conjunction	-1923 Sep 21 j 07:54	12°♍09'48	0°41'34
minimum elong	-1923 Sep 21 j 09:26	12°♍12'29	0°41'35
	-1923 Oct 16 j 06:25	0°♎	
morning rise	-1923 Nov 11 j 19:32	19°♎31'14	
	-1923 Nov 25 j 19:06	0°♏	
desc. node	-1923 Nov 28 j 17:54	2°♏13'38	
	-1922 Jan 04 j 01:16	0°♐	
	-1922 Feb 11 j 18:27	0°♑	
	-1922 Mar 22 j 19:31	0°♒	
	-1922 May 02 j 05:49	0°♓	
	-1922 Jun 14 j 14:03	0°♈	
	-1922 Aug 03 j 13:15	0°♉	
asc. node	-1922 Oct 02 j 15:30	21°♉19'00	
retrograde	-1922 Oct 10 j 03:11	21°♉40'51	
min. Earth dist.	-1922 Nov 15 j 10:57	13°♉11'08	0.63559 AU
opposition	-1922 Nov 19 j 02:31	11°♉43'19	1°50'46
greatest brilliancy	-1922 Nov 18 j 19:46	11°♉50'06	-1.5m
direct	-1922 Dec 27 j 18:16	2°♉34'42	
	-1921 Mar 21 j 15:52	0°♊	
	-1921 May 14 j 17:20	0°♋	
	-1921 Jul 02 j 03:44	0°♌	
	-1921 Aug 16 j 01:52	0°♍	
evening set	-1921 Sep 17 j 20:38	23°♍10'59	
	-1921 Sep 27 j 05:26	0°♎	
max. Earth dist.	-1921 Oct 05 j 05:58	5°♎54'02	2.42952 AU
desc. node	-1921 Oct 16 j 16:01	14°♎24'00	
	-1921 Nov 06 j 06:34	0°♏	
conjunction	-1921 Nov 12 j 16:23	4°♏54'51	-0°18'16
minimum elong	-1921 Nov 12 j 15:08	4°♏52'26	0°18'16
	-1921 Dec 14 j 23:25	0°♐	
morning rise	-1920 Jan 15 j 13:27	24°♐48'11	
	-1920 Jan 22 j 04:22	0°♑	
	-1920 Feb 29 j 18:34	0°♒	
	-1920 Apr 09 j 14:55	0°♓	
	-1920 May 21 j 14:30	0°♈	
	-1920 Jul 05 j 19:04	0°♉	
asc. node	-1920 Aug 19 j 15:42	26°♉39'11	
	-1920 Aug 25 j 20:38	0°♊	
retrograde	-1920 Nov 12 j 21:46	26°♊19'02	
opposition	-1920 Dec 22 j 20:50	16°♊39'05	3°55'47
greatest brilliancy	-1920 Dec 22 j 19:44	16°♊40'11	-1.3m
min. Earth dist.	-1920 Dec 23 j 00:34	16°♊35'21	0.67392 AU
direct	-1919 Feb 01 j 12:50	6°♊49'53	
	-1919 Apr 17 j 10:08	0°♋	
	-1919 Jun 09 j 21:15	0°♌	
	-1919 Jul 26 j 05:47	0°♍	
desc. node	-1919 Sep 02 j 14:32	26°♍59'35	
	-1919 Sep 06 j 17:35	0°♎	
	-1919 Oct 16 j 16:59	0°♏	
evening set	-1919 Nov 14 j 21:06	22°♏39'49	
	-1919 Nov 24 j 05:08	0°♐	
	-1918 Jan 01 j 06:02	0°♑	
conjunction	-1918 Jan 19 j 19:49	14°♑33'30	-1°06'03
minimum elong	-1918 Jan 19 j 19:16	14°♑32'26	1°06'05
	-1918 Feb 08 j 18:18	0°♒	
max. Earth dist.	-1918 Mar 09 j 22:01	22°♒05'45	2.40702 AU
	-1918 Mar 20 j 13:44	0°♓	
morning rise	-1918 Mar 28 j 07:25	5°♓40'37	
	-1918 May 01 j 08:14	0°♈	
	-1918 Jun 14 j 13:09	0°♉	
asc. node	-1918 Jul 07 j 14:44	14°♉56'09	
	-1918 Jul 31 j 17:48	0°♊	
	-1918 Sep 21 j 19:48	0°♋	
	-1918 Dec 16 j 01:54	0°♌	
retrograde	-1918 Dec 18 j 17:48	0°♌02'36	
	-1918 Dec 21 j 09:09	30°℞♋	
opposition	-1917 Jan 26 j 14:13	21°♋03'55	4°47'19
greatest brilliancy	-1917 Jan 27 j 04:51	20°♋49'39	-1.4m
min. Earth dist.	-1917 Jan 30 j 14:43	19°♋29'42	0.64753 AU
direct	-1917 Mar 08 j 21:49	11°♋02'44	
	-1917 May 12 j 05:44	0°♌	
	-1917 Jul 03 j 12:40	0°♍	
desc. node	-1917 Jul 21 j 13:29	11°♍50'57	
	-1917 Aug 16 j 16:12	0°♎	
	-1917 Sep 26 j 05:17	0°♏	
	-1917 Nov 03 j 23:07	0°♐	
	-1917 Dec 12 j 04:20	0°♑	
	-1916 Jan 19 j 22:07	0°♒	
evening set	-1916 Jan 23 j 14:34	2°♒48'32	
	-1916 Feb 29 j 00:23	0°♓	
conjunction	-1916 Mar 25 j 05:17	18°♓10'37	-0°34'55
minimum elong	-1916 Mar 25 j 07:16	18°♓14'07	0°34'55
	-1916 Apr 11 j 00:39	0°♈	
max. Earth dist.	-1916 Apr 30 j 08:22	13°♈18'40	2.53752 AU
morning rise	-1916 May 20 j 13:08	26°♈55'25	
asc. node	-1916 May 24 j 13:08	29°♈35'08	
	-1916 May 25 j 04:07	0°♉	
	-1916 Jul 10 j 09:37	0°♊	
	-1916 Aug 27 j 17:58	0°♋	
	-1916 Oct 18 j 09:00	0°♌	
	-1916 Dec 20 j 21:14	0°♍	
retrograde	-1915 Jan 29 j 05:04	7°♍46'41	
opposition	-1915 Mar 06 j 15:07	29°♌57'40	3°59'53
	-1915 Mar 06 j 12:34	30°℞♌	
greatest brilliancy	-1915 Mar 07 j 17:51	29°♌33'03	-1.8m
min. Earth dist.	-1915 Mar 14 j 03:44	27°♌11'36	0.55748 AU
direct	-1915 Apr 15 j 15:17	20°♌31'35	
	-1915 May 26 j 17:45	0°♍	
desc. node	-1915 Jun 07 j 11:53	5°♍16'33	
	-1915 Jul 20 j 12:48	0°♎	
	-1915 Sep 01 j 19:41	0°♏	
	-1915 Oct 11 j 19:40	0°♐	
	-1915 Nov 19 j 21:24	0°♑	
	-1915 Dec 29 j 09:29	0°♒	
	-1914 Feb 08 j 05:18	0°♓	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

evening set	-1914 Mar 21 j 06:26	28°♓53'34	
	-1914 Mar 22 j 21:03	0°♈	
asc. node	-1914 Apr 11 j 12:25	13°♈22'27	
	-1914 May 06 j 10:32	0°♉	
conjunction	-1914 May 13 j 02:44	4°♉23'47	0°18'11
minimum elong	-1914 May 13 j 01:58	4°♉22'30	0°18'13
max. Earth dist.	-1914 May 30 j 00:10	15°♉25'39	2.63083 AU
	-1914 Jun 21 j 14:15	0°♊	
morning rise	-1914 Jun 30 j 21:42	5°♊57'30	
	-1914 Aug 07 j 20:05	0°♋	
	-1914 Sep 24 j 21:09	0°♌	
	-1914 Nov 13 j 04:06	0°♍	
	-1913 Jan 05 j 03:38	0°♎	
retrograde	-1913 Mar 28 j 22:30	27°♎53'35	
desc. node	-1913 Apr 25 j 11:58	23°♎26'18	
opposition	-1913 Apr 30 j 07:26	21°♎59'08	-0°18'20
greatest brilliancy	-1913 Apr 30 j 09:34	21°♎57'29	-2.6m
min. Earth dist.	-1913 May 07 j 22:00	19°♎39'04	0.42847 AU
direct	-1913 Jun 04 j 05:34	14°♎56'32	
	-1913 Jul 25 j 12:30	0°♏	
	-1913 Sep 12 j 17:47	0°♐	
	-1913 Oct 25 j 13:15	0°♑	
	-1913 Dec 06 j 10:35	0°♒	
	-1912 Jan 18 j 01:27	0°♓	
asc. node	-1912 Feb 27 j 10:13	27°♓32'34	
	-1912 Mar 02 j 02:12	0°♈	
	-1912 Apr 16 j 14:50	0°♉	
evening set	-1912 May 04 j 03:25	11°♉20'10	
	-1912 Jun 02 j 05:54	0°♊	
conjunction	-1912 Jun 21 j 02:36	12°♊02'07	0°56'04
minimum elong	-1912 Jun 21 j 01:22	12°♊00'10	0°56'05
max. Earth dist.	-1912 Jun 22 j 07:05	12°♊47'30	2.67137 AU
	-1912 Jul 19 j 06:57	0°♋	
morning rise	-1912 Aug 05 j 12:01	10°♋59'40	
	-1912 Sep 04 j 02:33	0°♌	
	-1912 Oct 20 j 08:31	0°♍	
	-1912 Dec 05 j 02:11	0°♎	
	-1911 Jan 19 j 18:30	0°♏	
	-1911 Mar 07 j 14:30	0°♐	
desc. node	-1911 Mar 12 j 12:16	3°♐01'27	
	-1911 Apr 30 j 08:52	0°♑	
retrograde	-1911 Jun 15 j 13:35	12°♑05'05	
min. Earth dist.	-1911 Jul 13 j 00:52	7°♑36'12	0.38152 AU
opposition	-1911 Jul 16 j 20:02	6°♑33'39	-6°43'01
greatest brilliancy	-1911 Jul 16 j 00:04	6°♑47'24	-2.9m
direct	-1911 Aug 15 j 12:46	1°♑32'07	
	-1911 Nov 02 j 11:57	0°♒	
	-1911 Dec 22 j 12:51	0°♓	
asc. node	-1910 Jan 14 j 07:58	14°♓16'45	
	-1910 Feb 08 j 06:25	0°♈	
	-1910 Mar 27 j 21:36	0°♉	
	-1910 May 14 j 16:00	0°♊	
evening set	-1910 Jun 12 j 03:46	17°♊58'10	
	-1910 Jul 01 j 02:12	0°♋	
max. Earth dist.	-1910 Jul 15 j 23:38	9°♋31'52	2.65751 AU
conjunction	-1910 Jul 28 j 07:43	17°♋29'06	1°10'26
minimum elong	-1910 Jul 28 j 07:39	17°♋28'59	1°10'27
	-1910 Aug 16 j 13:13	0°♌	
morning rise	-1910 Sep 11 j 10:41	17°♌06'56	
	-1910 Sep 30 j 14:42	0°♍	
	-1910 Nov 13 j 03:59	0°♎	
	-1910 Dec 25 j 08:59	0°♏	
desc. node	-1909 Jan 28 j 11:20	24°♏46'44	
	-1909 Feb 04 j 14:22	0°♐	
	-1909 Mar 17 j 12:29	0°♑	
	-1909 Apr 28 j 13:22	0°♒	
	-1909 Jun 14 j 17:43	0°♓	
retrograde	-1909 Aug 15 j 06:22	20°♓39'39	
min. Earth dist.	-1909 Sep 13 j 11:34	14°♓47'48	0.48833 AU
opposition	-1909 Sep 21 j 11:25	11°♓54'02	-3°26'48
greatest brilliancy	-1909 Sep 20 j 13:42	12°♓13'46	-2.2m
direct	-1909 Oct 25 j 03:37	4°♓46'23	
asc. node	-1909 Dec 02 j 07:46	12°♓37'20	
	-1908 Jan 10 j 03:03	0°♈	
	-1908 Mar 04 j 12:48	0°♉	
	-1908 Apr 24 j 00:14	0°♊	
	-1908 Jun 11 j 13:38	0°♋	
evening set	-1908 Jul 19 j 05:35	24°♋06'00	
	-1908 Jul 28 j 06:05	0°♌	
max. Earth dist.	-1908 Aug 10 j 00:29	8°♌26'20	2.59103 AU
conjunction	-1908 Sep 04 j 10:43	25°♌35'13	0°56'07
minimum elong	-1908 Sep 04 j 12:04	25°♌37'32	0°56'08
	-1908 Sep 10 j 21:09	0°♍	
morning rise	-1908 Oct 23 j 00:56	29°♍41'23	
	-1908 Oct 23 j 11:17	0°♎	
	-1908 Dec 03 j 07:42	0°♏	
desc. node	-1908 Dec 15 j 10:16	9°♏05'27	
	-1907 Jan 11 j 22:28	0°♐	
	-1907 Feb 19 j 23:59	0°♑	
	-1907 Mar 31 j 09:56	0°♒	
	-1907 May 11 j 09:56	0°♓	
	-1907 Jun 25 j 05:25	0°♈	
	-1907 Aug 22 j 05:54	0°♉	
retrograde	-1907 Sep 25 j 20:14	7°♉00'14	
asc. node	-1907 Oct 19 j 07:48	3°♉07'42	
	-1907 Oct 28 j 02:56	30°℞♈	
min. Earth dist.	-1907 Oct 30 j 09:09	29°♈07'10	0.60378 AU
opposition	-1907 Nov 04 j 10:58	27°♈06'07	0°40'32
greatest brilliancy	-1907 Nov 04 j 07:34	27°♈09'30	-1.7m
direct	-1907 Dec 11 j 23:15	18°♈22'02	
	-1906 Jan 30 j 06:19	0°♉	
	-1906 Apr 01 j 06:41	0°♊	
	-1906 May 22 j 19:28	0°♋	
	-1906 Jul 09 j 11:54	0°♌	
	-1906 Aug 23 j 05:32	0°♍	
evening set	-1906 Aug 30 j 02:56	4°♍47'14	
max. Earth dist.	-1906 Sep 14 j 00:33	15°♍17'17	2.47969 AU
	-1906 Oct 04 j 10:24	0°♎	
conjunction	-1906 Oct 21 j 09:32	12°♎30'12	0°08'04
minimum elong	-1906 Oct 21 j 10:00	12°♎31'03	0°08'02
behind sun begin	-1906 Oct 20 j 13:28	11°♎52'54	
behind sun end	-1906 Oct 22 j 06:31	13°♎09'14	
desc. node	-1906 Nov 02 j 09:01	21°♎28'26	
	-1906 Nov 13 j 15:15	0°♏	
morning rise	-1906 Dec 18 j 18:56	27°♏05'50	
	-1906 Dec 22 j 12:21	0°♐	
	-1905 Jan 29 j 20:46	0°♑	
	-1905 Mar 09 j 13:31	0°♒	
	-1905 Apr 18 j 12:41	0°♓	
	-1905 May 30 j 18:59	0°♈	
	-1905 Jul 15 j 22:41	0°♉	
asc. node	-1905 Sep 06 j 06:31	28°♉29'46	
	-1905 Sep 09 j 14:48	0°♊	
retrograde	-1905 Oct 31 j 13:16	13°♊23'47	
min. Earth dist.	-1905 Dec 09 j 07:09	4°♊06'04	0.66653 AU
opposition	-1905 Dec 10 j 15:26	3°♊33'37	3°16'12
greatest brilliancy	-1905 Dec 10 j 10:18	3°♊38'47	-1.4m
	-1905 Dec 19 j 18:35	30°℞♉	
direct	-1904 Jan 19 j 15:51	23°♉57'00	

Attention, astronomical year style is used: The year -2399 in astronomical counting style is the year 2400 BCE in historical counting style.

	-1904 Feb 22 j 22:01	0°♊	
	-1904 Apr 28 j 14:25	0°♋	
	-1904 Jun 18 j 07:01	0°♌	
	-1904 Aug 02 j 21:53	0°♍	
	-1904 Sep 14 j 05:01	0°♎	
desc. node	-1904 Sep 19 j 07:06	3°♎44'12	
evening set	-1904 Oct 20 j 18:30	27°♎23'25	
	-1904 Oct 24 j 04:18	0°♏	
	-1904 Dec 01 j 17:38	0°♐	
conjunction	-1904 Dec 22 j 10:18	16°♐18'27	-0°55'39
minimum elong	-1904 Dec 22 j 07:26	16°♐12'48	0°55'40
max. Earth dist.	-1904 Dec 25 j 18:51	18°♐57'16	2.37391 AU
	-1903 Jan 08 j 19:16	0°♑	
	-1903 Feb 16 j 07:12	0°♒	
morning rise	-1903 Mar 01 j 12:24	10°♒06'26	
	-1903 Mar 28 j 01:35	0°♓	
	-1903 May 08 j 19:43	0°♈	
	-1903 Jun 22 j 05:14	0°♉	
asc. node	-1903 Jul 24 j 06:05	20°♉19'23	
	-1903 Aug 09 j 06:34	0°♊	
	-1903 Oct 04 j 05:12	0°♋	
retrograde	-1903 Dec 04 j 09:17	16°♋55'23	
opposition	-1902 Jan 12 j 19:23	7°♋37'52	4°36'30
greatest brilliancy	-1902 Jan 13 j 03:21	7°♋29'58	-1.3m
min. Earth dist.	-1902 Jan 15 j 07:36	6°♋38'19	0.66568 AU
	-1902 Feb 03 j 21:25	30°℞♊	
direct	-1902 Feb 23 j 01:10	27°♊37'27	
	-1902 Mar 15 j 11:36	0°♋	
	-1902 May 24 j 21:23	0°♌	
	-1902 Jul 12 j 16:52	0°♍	
desc. node	-1902 Aug 07 j 06:06	17°♍23'54	
	-1902 Aug 24 j 22:51	0°♎	
	-1902 Oct 04 j 04:11	0°♏	
	-1902 Nov 11 j 18:23	0°♐	
	-1902 Dec 19 j 20:40	0°♑	
evening set	-1902 Dec 27 j 20:00	6°♑15'06	
	-1901 Jan 27 j 11:04	0°♒	
conjunction	-1901 Mar 02 j 21:56	25°♒57'32	-0°53'46
minimum elong	-1901 Mar 03 j 00:29	26°♒02'16	0°53'46
	-1901 Mar 08 j 09:28	0°♓	
max. Earth dist.	-1901 Apr 16 j 02:56	27°♓48'44	2.48861 AU
	-1901 Apr 19 j 05:57	0°♈	
morning rise	-1901 May 02 j 13:46	9°♈14'02	
	-1901 Jun 02 j 07:55	0°♉	
asc. node	-1901 Jun 11 j 05:09	5°♉51'51	
	-1901 Jul 18 j 18:14	0°♊	
	-1901 Sep 06 j 00:15	0°♋	
	-1901 Oct 31 j 00:12	0°♌	
retrograde	-1900 Jan 12 j 09:21	22°♌22'53	
opposition	-1900 Feb 18 j 22:59	14°♌01'56	4°34'11
greatest brilliancy	-1900 Feb 19 j 22:55	13°♌39'13	-1.6m
min. Earth dist.	-1900 Feb 25 j 05:32	11°♌39'05	0.60004 AU
direct	-1900 Mar 30 j 19:06	4°♌13'20	
	-1900 Jun 14 j 00:53	0°♍	
desc. node	-1900 Jun 24 j 05:53	5°♍54'06	
	-1900 Jul 31 j 15:52	0°♎	
	-1900 Sep 11 j 08:12	0°♏	
	-1900 Oct 20 j 15:10	0°♐	
	-1900 Nov 28 j 05:29	0°♑	
	-1899 Jan 06 j 07:43	0°♒	
	-1899 Feb 15 j 18:30	0°♓	
evening set	-1899 Feb 28 j 18:39	9°♓22'19	
	-1899 Mar 30 j 02:20	0°♈	
conjunction	-1899 Apr 25 j 15:16	18°♈06'58	-0°01'30
minimum elong	-1899 Apr 25 j 15:21	18°♈07'06	0°01'29
behind sun begin	-1899 Apr 24 j 17:21	17°♈30'03	
behind sun end	-1899 Apr 26 j 13:22	18°♈44'07	
asc. node	-1899 Apr 28 j 02:55	19°♈47'16	
	-1899 May 13 j 10:19	0°♉	
max. Earth dist.	-1899 May 19 j 11:12	3°♉59'26	2.60045 AU
morning rise	-1899 Jun 15 j 18:44	21°♉48'16	
	-1899 Jun 28 j 12:40	0°♊	
	-1899 Aug 15 j 01:01	0°♋	
	-1899 Oct 03 j 00:16	0°♌	
	-1899 Nov 23 j 21:14	0°♍	