Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

conjunction	-4400 Sep 18 j 19:24	22°♌59'48	0°41'22
minimum elong	-4400 Sep 18 j 21:22	23°♌03'25	0°41'29
	-4400 Sep 28 j 05:43	0°♍	
	-4400 Nov 06 j 17:29	0°♎	
morning rise	-4400 Nov 14 j 18:33	6°♎12'55	
desc. node	-4400 Nov 20 j 20:08	10°♎55'06	
	-4400 Dec 15 j 07:51	0°♏	
	-4399 Jan 22 j 20:36	0°♐	
	-4399 Mar 03 j 05:06	0°♑	
	-4399 Apr 13 j 09:03	0°♒	
	-4399 May 27 j 15:09	0°♓	
	-4399 Jul 17 j 01:12	0°♈	
retrograde	-4399 Sep 29 j 14:29	24°♈36'50	
asc. node	-4399 Oct 06 j 05:29	24°♈19'22	
min. Earth dist.	-4399 Nov 06 j 23:52	15°♈25'29	0.66091 AU
opposition	-4399 Nov 08 j 16:18	14°♈44'50	1°15'38
greatest brilliancy	-4399 Nov 08 j 13:48	14°♈47'22	-1.4m
direct	-4399 Dec 18 j 10:48	5°♈12'28	
	-4398 Mar 06 j 20:52	0°♉	
	-4398 Apr 29 j 19:09	0°♊	
	-4398 Jun 16 j 06:17	0°♋	
	-4398 Jul 29 j 23:09	0°♌	
	-4398 Sep 08 j 23:10	0°♍	
evening set	-4398 Sep 18 j 13:39	7°♍15'10	
desc. node	-4398 Oct 08 j 17:19	22°♍41'40	
	-4398 Oct 18 j 03:22	0°♎	
max. Earth dist.	-4398 Nov 06 j 07:58	15°♎00'17	2.37813 AU
conjunction	-4398 Nov 18 j 17:30	24°♎45'10	-0°28'55
minimum elong	-4398 Nov 18 j 15:06	24°♎40'27	0°28'57
	-4398 Nov 25 j 09:29	0°♏	
	-4397 Jan 02 j 15:20	0°♐	
morning rise	-4397 Jan 25 j 11:07	17°♐37'42	
	-4397 Feb 10 j 17:59	0°♑	
	-4397 Mar 23 j 12:33	0°♒	
	-4397 May 05 j 15:29	0°♓	
	-4397 Jun 20 j 22:14	0°♈	
	-4397 Aug 11 j 13:38	0°♉	
asc. node	-4397 Aug 24 j 06:19	6°♉31'52	
retrograde	-4397 Nov 03 j 11:32	28°♉22'36	
opposition	-4397 Dec 12 j 22:00	19°♉01'28	3°38'57
greatest brilliancy	-4397 Dec 13 j 02:36	18°♉56'55	-1.3m
min. Earth dist.	-4397 Dec 15 j 00:35	18°♉11'20	0.66570 AU
direct	-4396 Jan 23 j 00:29	9°♉02'38	
	-4396 Apr 01 j 09:35	0°♊	
	-4396 May 24 j 06:55	0°♋	
	-4396 Jul 08 j 12:33	0°♌	
	-4396 Aug 18 j 23:45	0°♍	
desc. node	-4396 Aug 25 j 14:38	4°♍58'06	
	-4396 Sep 27 j 06:23	0°♎	
	-4396 Nov 04 j 12:46	0°♏	
evening set	-4396 Nov 22 j 16:53	14°♏17'19	
	-4396 Dec 12 j 19:36	0°♐	
	-4395 Jan 21 j 00:37	0°♑	
conjunction	-4395 Jan 26 j 10:48	4°♑03'45	-1°08'00
minimum elong	-4395 Jan 26 j 11:10	4°♑04'26	1°08'13
	-4395 Mar 02 j 21:20	0°♒	
max. Earth dist.	-4395 Mar 13 j 05:34	7°♒21'54	2.47586 AU
morning rise	-4395 Mar 28 j 23:06	18°♒23'15	
	-4395 Apr 14 j 20:49	0°♓	
	-4395 May 30 j 04:28	0°♈	
asc. node	-4395 Jul 11 j 05:04	26°♈24'56	
	-4395 Jul 17 j 02:19	0°♉	
	-4395 Sep 07 j 01:15	0°♊	
	-4395 Nov 15 j 03:47	0°♋	
retrograde	-4395 Dec 11 j 00:12	3°♋39'21	
	-4394 Jan 04 j 00:20	30°℞♊	
opposition	-4394 Jan 17 j 16:43	25°♊13'01	5°05'06
greatest brilliancy	-4394 Jan 18 j 15:56	24°♊50'52	-1.6m
min. Earth dist.	-4394 Jan 23 j 14:15	22°♊58'04	0.60673 AU
direct	-4394 Feb 27 j 13:52	15°♊22'18	
	-4394 Apr 22 j 11:13	0°♋	
	-4394 Jun 14 j 07:08	0°♌	
desc. node	-4394 Jul 13 j 12:42	19°♌45'46	
	-4394 Jul 27 j 20:50	0°♍	
	-4394 Sep 06 j 00:25	0°♎	
	-4394 Oct 14 j 19:22	0°♏	
	-4394 Nov 22 j 13:10	0°♐	
	-4393 Jan 01 j 05:33	0°♑	
evening set	-4393 Jan 26 j 03:05	18°♑14'18	
	-4393 Feb 11 j 13:23	0°♒	
conjunction	-4393 Mar 23 j 14:15	27°♒46'52	-0°36'53
minimum elong	-4393 Mar 23 j 15:55	27°♒49'43	0°37'00
	-4393 Mar 26 j 20:46	0°♓	
max. Earth dist.	-4393 Apr 18 j 13:09	15°♓11'14	2.59058 AU
	-4393 May 11 j 02:51	0°♈	
morning rise	-4393 May 14 j 18:15	2°♈21'55	
asc. node	-4393 May 29 j 03:05	11°♈38'14	
	-4393 Jun 27 j 00:01	0°♉	
	-4393 Aug 14 j 07:52	0°♊	
	-4393 Oct 03 j 19:23	0°♋	
	-4393 Nov 29 j 23:20	0°♌	
retrograde	-4392 Jan 29 j 10:12	16°♌29'56	
opposition	-4392 Mar 03 j 19:48	9°♌35'31	4°29'45
greatest brilliancy	-4392 Mar 05 j 06:29	9°♌05'40	-2.2m
min. Earth dist.	-4392 Mar 12 j 06:52	6°♌41'28	0.49157 AU
direct	-4392 Apr 10 j 19:36	1°♌07'04	
desc. node	-4392 May 30 j 14:01	15°♌01'29	
	-4392 Jun 26 j 13:44	0°♍	
	-4392 Aug 10 j 08:59	0°♎	
	-4392 Sep 20 j 07:43	0°♏	
	-4392 Oct 30 j 12:52	0°♐	
	-4392 Dec 10 j 10:08	0°♑	
	-4391 Jan 21 j 18:28	0°♒	
	-4391 Mar 06 j 20:57	0°♓	
evening set	-4391 Mar 16 j 03:52	6°♓10'24	
asc. node	-4391 Apr 14 j 23:25	25°♓43'18	
	-4391 Apr 21 j 13:46	0°♈	
conjunction	-4391 May 05 j 07:20	8°♈51'50	0°11'31
minimum elong	-4391 May 05 j 06:52	8°♈51'05	0°11'31
behind sun begin	-4391 May 04 j 16:56	8°♈28'42	
behind sun end	-4391 May 05 j 20:48	9°♈13'29	
max. Earth dist.	-4391 May 13 j 20:51	14°♈21'53	2.65670 AU
	-4391 Jun 07 j 07:47	0°♉	
morning rise	-4391 Jun 21 j 09:54	8°♉58'18	
	-4391 Jul 24 j 11:44	0°♊	
	-4391 Sep 09 j 16:25	0°♋	
	-4391 Oct 27 j 01:45	0°♌	
	-4391 Dec 14 j 16:49	0°♍	
	-4390 Feb 06 j 12:08	0°♎	
retrograde	-4390 Apr 10 j 00:41	18°♎39'26	
desc. node	-4390 Apr 17 j 16:04	18°♎17'01	
opposition	-4390 May 10 j 12:19	13°♎34'59	-1°42'20
greatest brilliancy	-4390 May 10 j 15:28	13°♎32'51	-2.9m
min. Earth dist.	-4390 May 13 j 08:39	12°♎48'44	0.38283 AU
direct	-4390 Jun 10 j 18:17	8°♎11'33	
	-4390 Aug 14 j 12:24	0°♏	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-4390 Oct 02 j 05:54	0°♐	
	-4390 Nov 16 j 07:56	0°♑	
	-4390 Dec 31 j 07:10	0°♒	
	-4389 Feb 15 j 02:54	0°♓	
asc. node	-4389 Mar 02 j 19:37	10°♓07'42	
	-4389 Apr 02 j 20:52	0°♈	
evening set	-4389 Apr 26 j 12:28	15°♈02'40	
	-4389 May 20 j 01:10	0°♉	
max. Earth dist.	-4389 Jun 06 j 15:48	11°♉13'14	2.66884 AU
conjunction	-4389 Jun 12 j 16:39	15°♉04'37	0°51'12
minimum elong	-4389 Jun 12 j 15:22	15°♉02'34	0°51'20
	-4389 Jul 05 j 22:33	0°♊	
morning rise	-4389 Jul 28 j 00:08	14°♊18'06	
	-4389 Aug 20 j 22:32	0°♋	
	-4389 Oct 04 j 18:44	0°♌	
	-4389 Nov 17 j 13:07	0°♍	
	-4389 Dec 30 j 13:14	0°♎	
	-4388 Feb 11 j 12:05	0°♏	
desc. node	-4388 Mar 04 j 16:44	15°♏10'22	
	-4388 Mar 27 j 07:13	0°♐	
	-4388 May 23 j 12:33	0°♑	
retrograde	-4388 Jun 21 j 06:54	5°♑24'46	
min. Earth dist.	-4388 Jul 18 j 09:15	0°♑33'50	0.42908 AU
	-4388 Jul 20 j 03:51	30°℞♐	
greatest brilliancy	-4388 Jul 24 j 10:46	28°♐36'18	-2.5m
opposition	-4388 Jul 26 j 01:20	28°♐04'53	-6°22'57
direct	-4388 Aug 26 j 12:26	22°♐02'52	
	-4388 Oct 03 j 08:47	0°♑	
	-4388 Dec 03 j 01:44	0°♒	
asc. node	-4387 Jan 17 j 18:22	26°♒50'15	
	-4387 Jan 23 j 00:17	0°♓	
	-4387 Mar 13 j 04:19	0°♈	
	-4387 Apr 30 j 11:54	0°♉	
evening set	-4387 Jun 02 j 22:39	21°♉10'09	
	-4387 Jun 16 j 16:30	0°♊	
max. Earth dist.	-4387 Jun 30 j 10:13	8°♊54'56	2.62721 AU
conjunction	-4387 Jul 19 j 18:19	21°♊38'17	1°10'45
minimum elong	-4387 Jul 19 j 17:59	21°♊37'43	1°10'57
	-4387 Aug 01 j 07:12	0°♋	
morning rise	-4387 Sep 04 j 09:51	23°♋15'22	
	-4387 Sep 14 j 02:19	0°♌	
	-4387 Oct 26 j 04:17	0°♍	
	-4387 Dec 05 j 21:18	0°♎	
	-4386 Jan 14 j 18:42	0°♏	
desc. node	-4386 Jan 20 j 16:20	4°♏27'21	
	-4386 Feb 23 j 15:55	0°♐	
	-4386 Apr 05 j 19:55	0°♑	
	-4386 May 21 j 00:15	0°♒	
	-4386 Jul 28 j 23:32	0°♓	
retrograde	-4386 Aug 09 j 18:56	0°♓56'54	
	-4386 Aug 21 j 05:56	30°℞♒	
min. Earth dist.	-4386 Sep 10 j 22:22	23°♒57'21	0.55332 AU
opposition	-4386 Sep 17 j 15:01	21°♒22'21	-3°18'36
greatest brilliancy	-4386 Sep 16 j 21:39	21°♒39'08	-1.9m
direct	-4386 Oct 23 j 10:27	13°♒19'00	
asc. node	-4386 Dec 05 j 19:06	22°♒53'02	
	-4386 Dec 22 j 18:27	0°♓	
	-4385 Feb 18 j 14:17	0°♈	
	-4385 Apr 10 j 18:50	0°♉	
	-4385 May 29 j 01:02	0°♊	
evening set	-4385 Jul 12 j 22:33	29°♊24'27	
	-4385 Jul 13 j 19:41	0°♋	
max. Earth dist.	-4385 Jul 30 j 01:18	11°♋02'20	2.53607 AU
	-4385 Aug 26 j 05:13	0°♌	

conjunction	-4385 Aug 31 j 11:28	3°♌44'35	0°58'07
minimum elong	-4385 Aug 31 j 13:07	3°♌47'32	0°58'17
	-4385 Oct 06 j 12:42	0°♍	
morning rise	-4385 Oct 23 j 04:05	12°♍26'54	
	-4385 Nov 15 j 06:16	0°♎	
desc. node	-4385 Dec 08 j 14:42	17°♎59'34	
	-4385 Dec 24 j 02:18	0°♏	
	-4384 Jan 31 j 20:07	0°♐	
	-4384 Mar 11 j 09:52	0°♑	
	-4384 Apr 21 j 23:10	0°♒	
	-4384 Jun 06 j 08:23	0°♓	
	-4384 Aug 01 j 07:26	0°♈	
retrograde	-4384 Sep 15 j 23:58	11°♈04'15	
asc. node	-4384 Oct 22 j 20:10	2°♈23'48	
min. Earth dist.	-4384 Oct 22 j 20:57	2°♈23'01	0.64199 AU
opposition	-4384 Oct 26 j 00:22	1°♈07'18	0°07'29
greatest brilliancy	-4384 Oct 26 j 00:01	1°♈07'38	-1.5m
	-4384 Oct 28 j 19:43	30°℞♓	
direct	-4384 Dec 03 j 21:59	21°♓52'50	
	-4383 Jan 13 j 03:00	0°♈	
	-4383 Mar 17 j 19:03	0°♉	
	-4383 May 08 j 01:22	0°♊	
	-4383 Jun 23 j 18:35	0°♋	
	-4383 Aug 06 j 06:38	0°♌	
evening set	-4383 Aug 27 j 19:58	15°♌34'17	
	-4383 Sep 16 j 07:03	0°♍	
max. Earth dist.	-4383 Sep 17 j 16:33	1°♍02'51	2.41380 AU
conjunction	-4383 Oct 23 j 21:27	28°♍42'17	0°01'10
minimum elong	-4383 Oct 23 j 21:35	28°♍42'31	0°01'10
behind sun begin	-4383 Oct 22 j 19:59	27°♍52'57	
behind sun end	-4383 Oct 24 j 23:10	29°♍32'07	
desc. node	-4383 Oct 25 j 11:16	29°♍55'35	
	-4383 Oct 25 j 13:33	0°♎	
	-4383 Dec 02 j 22:05	0°♏	
morning rise	-4383 Dec 27 j 13:34	19°♏20'11	
	-4382 Jan 10 j 05:42	0°♐	
	-4382 Feb 18 j 09:15	0°♑	
	-4382 Mar 31 j 05:03	0°♒	
	-4382 May 13 j 13:30	0°♓	
	-4382 Jun 29 j 17:24	0°♈	
	-4382 Aug 24 j 10:32	0°♉	
asc. node	-4382 Sep 09 j 21:13	6°♉50'43	
retrograde	-4382 Oct 20 j 18:29	15°♉29'25	
opposition	-4382 Nov 29 j 14:06	5°♉53'24	2°49'04
greatest brilliancy	-4382 Nov 29 j 14:05	5°♉53'24	-1.3m
min. Earth dist.	-4382 Nov 30 j 04:54	5°♉38'36	0.67154 AU
	-4382 Dec 15 j 11:17	30°℞♈	
direct	-4381 Jan 09 j 07:55	26°♈01'25	
	-4381 Feb 05 j 09:00	0°♉	
	-4381 Apr 14 j 06:47	0°♊	
	-4381 Jun 03 j 02:08	0°♋	
	-4381 Jul 17 j 12:15	0°♌	
	-4381 Aug 27 j 17:05	0°♍	
desc. node	-4381 Sep 12 j 08:36	11°♍50'30	
	-4381 Oct 05 j 21:31	0°♎	
evening set	-4381 Oct 27 j 14:38	17°♎00'04	
	-4381 Nov 13 j 02:41	0°♏	
	-4381 Dec 21 j 08:07	0°♐	
conjunction	-4380 Jan 01 j 01:15	8°♐18'40	-1°03'05
minimum elong	-4381 Dec 31 j 23:00	8°♐14'20	1°03'16
	-4380 Jan 29 j 11:09	0°♑	
max. Earth dist.	-4380 Feb 19 j 05:08	15°♑26'48	2.42391 AU
morning rise	-4380 Mar 06 j 15:15	27°♑24'39	
	-4380 Mar 10 j 05:38	0°♒	
	-4380 Apr 22 j 04:28	0°♓	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-4380 Jun 06 j 16:48	0°♈	
	-4380 Jul 25 j 11:30	0°♉	
asc. node	-4380 Jul 27 j 21:03	1°♉24'23	
	-4380 Sep 18 j 23:33	0°♊	
retrograde	-4380 Nov 25 j 05:16	19°♊36'23	
opposition	-4379 Jan 02 j 17:54	10°♊45'08	4°40'16
greatest brilliancy	-4379 Jan 03 j 09:04	10°♊30'23	-1.4m
min. Earth dist.	-4379 Jan 07 j 04:15	9°♊01'41	0.63758 AU
direct	-4379 Feb 12 j 22:41	0°♊45'30	
	-4379 May 07 j 05:12	0°♋	
	-4379 Jun 24 j 07:58	0°♌	
desc. node	-4379 Jul 30 j 07:30	25°♌17'51	
	-4379 Aug 05 j 17:33	0°♍	
	-4379 Sep 14 j 09:31	0°♎	
	-4379 Oct 22 j 21:14	0°♏	
	-4379 Nov 30 j 08:49	0°♐	
evening set	-4378 Jan 02 j 18:18	25°♐28'59	
	-4378 Jan 08 j 18:55	0°♑	
	-4378 Feb 18 j 20:38	0°♒	
conjunction	-4378 Mar 03 j 16:40	9°♒05'10	-0°53'33
minimum elong	-4378 Mar 03 j 18:48	9°♒08'55	0°53'41
	-4378 Apr 02 j 23:18	0°♓	
max. Earth dist.	-4378 Apr 06 j 10:09	2°♓20'27	2.55066 AU
morning rise	-4378 Apr 27 j 23:54	16°♓46'37	
	-4378 May 18 j 03:51	0°♈	
asc. node	-4378 Jun 14 j 18:25	17°♈43'17	
	-4378 Jul 04 j 06:44	0°♉	
	-4378 Aug 22 j 12:23	0°♊	
	-4378 Oct 14 j 21:56	0°♋	
retrograde	-4377 Jan 08 j 04:52	28°♋31'32	
opposition	-4377 Feb 13 j 02:46	20°♋55'26	5°07'06
greatest brilliancy	-4377 Feb 14 j 12:37	20°♋24'41	-1.9m
min. Earth dist.	-4377 Feb 20 j 22:32	18°♋05'15	0.54192 AU
direct	-4377 Mar 24 j 16:45	11°♋41'11	
	-4377 May 23 j 06:21	0°♌	
desc. node	-4377 Jun 17 j 07:01	14°♌22'27	
	-4377 Jul 11 j 06:10	0°♍	
	-4377 Aug 22 j 04:03	0°♎	
	-4377 Sep 30 j 21:05	0°♏	
	-4377 Nov 09 j 06:57	0°♐	
	-4377 Dec 19 j 13:02	0°♑	
	-4376 Jan 30 j 08:44	0°♒	
evening set	-4376 Feb 27 j 02:19	19°♒11'20	
	-4376 Mar 14 j 01:29	0°♓	
conjunction	-4376 Apr 19 j 06:45	23°♓59'25	-0°07'06
minimum elong	-4376 Apr 19 j 07:03	23°♓59'54	0°07'08
behind sun begin	-4376 Apr 18 j 12:13	23°♓29'08	
behind sun end	-4376 Apr 20 j 01:53	24°♓30'39	
	-4376 Apr 28 j 12:09	0°♈	
asc. node	-4376 May 01 j 15:39	2°♈02'28	
max. Earth dist.	-4376 May 04 j 08:02	3°♈46'46	2.63701 AU
morning rise	-4376 Jun 06 j 22:28	25°♈21'28	
	-4376 Jun 14 j 05:23	0°♉	
	-4376 Jul 31 j 16:38	0°♊	
	-4376 Sep 17 j 18:13	0°♋	
	-4376 Nov 06 j 04:41	0°♌	
	-4376 Dec 30 j 11:40	0°♍	
retrograde	-4375 Mar 10 j 00:22	21°♍22'55	
opposition	-4375 Apr 10 j 19:53	15°♍44'12	1°36'23
greatest brilliancy	-4375 Apr 11 j 08:07	15°♍35'06	-2.7m
min. Earth dist.	-4375 Apr 17 j 16:32	13°♍42'28	0.41492 AU
desc. node	-4375 May 04 j 07:42	9°♍54'21	
direct	-4375 May 14 j 19:20	9°♍09'00	
	-4375 Jul 16 j 01:40	0°♎	
	-4375 Sep 01 j 11:38	0°♏	
	-4375 Oct 14 j 12:48	0°♐	
	-4375 Nov 26 j 04:34	0°♑	
	-4374 Jan 08 j 18:18	0°♒	
	-4374 Feb 22 j 17:16	0°♓	
asc. node	-4374 Mar 19 j 12:39	16°♓11'04	
	-4374 Apr 09 j 22:39	0°♈	
evening set	-4374 Apr 11 j 00:38	0°♈41'41	
	-4374 May 26 j 21:09	0°♉	
max. Earth dist.	-4374 May 28 j 11:03	1°♉00'24	2.67047 AU
conjunction	-4374 May 29 j 01:17	1°♉23'05	0°37'38
minimum elong	-4374 May 29 j 00:05	1°♉21'11	0°37'44
	-4374 Jul 12 j 19:26	0°♊	
morning rise	-4374 Jul 13 j 17:46	0°♊35'53	
	-4374 Aug 28 j 03:42	0°♋	
	-4374 Oct 12 j 17:26	0°♌	
	-4374 Nov 26 j 17:14	0°♍	
	-4373 Jan 10 j 16:29	0°♎	
	-4373 Feb 26 j 05:01	0°♏	
desc. node	-4373 Mar 22 j 09:35	14°♏17'04	
	-4373 Apr 24 j 01:38	0°♐	
retrograde	-4373 May 28 j 00:51	7°♐04'07	
min. Earth dist.	-4373 Jun 23 j 22:44	2°♐37'28	0.39094 AU
greatest brilliancy	-4373 Jun 28 j 01:36	1°♐27'14	-2.8m
opposition	-4373 Jun 29 j 04:25	1°♐08'02	-6°02'56
	-4373 Jul 03 j 04:52	30°℞♏	
direct	-4373 Jul 29 j 07:03	25°♏54'28	
	-4373 Aug 24 j 06:26	0°♐	
	-4373 Oct 26 j 21:39	0°♑	
	-4373 Dec 15 j 17:01	0°♒	
	-4372 Feb 01 j 19:34	0°♓	
asc. node	-4372 Feb 04 j 09:49	1°♓37'24	
	-4372 Mar 20 j 18:14	0°♈	
	-4372 May 07 j 12:19	0°♉	
evening set	-4372 May 19 j 01:43	7°♉18'55	
max. Earth dist.	-4372 Jun 20 j 14:55	28°♉07'31	2.64963 AU
	-4372 Jun 23 j 12:37	0°♊	
conjunction	-4372 Jul 04 j 17:20	7°♊15'40	1°06'14
minimum elong	-4372 Jul 04 j 16:25	7°♊14'11	1°06'25
	-4372 Aug 08 j 05:28	0°♋	
morning rise	-4372 Aug 19 j 10:08	7°♋30'30	
	-4372 Sep 21 j 08:22	0°♌	
	-4372 Nov 02 j 22:42	0°♍	
	-4372 Dec 14 j 07:37	0°♎	
	-4371 Jan 23 j 23:32	0°♏	
desc. node	-4371 Feb 06 j 09:24	9°♏54'19	
	-4371 Mar 05 j 20:23	0°♐	
	-4371 Apr 17 j 18:31	0°♑	
	-4371 Jun 08 j 05:27	0°♒	
retrograde	-4371 Jul 23 j 12:06	12°♒05'39	
min. Earth dist.	-4371 Aug 22 j 11:20	5°♒57'20	0.50568 AU
greatest brilliancy	-4371 Aug 29 j 01:04	3°♒31'58	-2.1m
opposition	-4371 Aug 30 j 05:35	3°♒05'36	-4°44'11
	-4371 Sep 08 j 01:53	30°℞♑	
direct	-4371 Oct 03 j 10:39	25°♑43'46	
	-4371 Oct 30 j 17:54	0°♒	
asc. node	-4371 Dec 22 j 09:30	22°♒20'32	
	-4370 Jan 05 j 21:59	0°♓	
	-4370 Feb 27 j 15:50	0°♈	
	-4370 Apr 18 j 09:19	0°♉	
	-4370 Jun 05 j 02:58	0°♊	
evening set	-4370 Jun 26 j 21:28	14°♊07'39	
max. Earth dist.	-4370 Jul 17 j 10:43	27°♊45'32	2.57700 AU
	-4370 Jul 20 j 18:48	0°♋	
conjunction	-4370 Aug 13 j 22:04	16°♋27'46	1°07'47

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

minimum elong	-4370 Aug 13 j 22:58	16°♋29'19	1°07'59
	-4370 Sep 02 j 07:02	0°♌	
morning rise	-4370 Oct 02 j 12:13	21°♌41'19	
	-4370 Oct 13 j 20:20	0°♍	
	-4370 Nov 22 j 21:20	0°♎	
desc. node	-4370 Dec 25 j 07:54	24°♎49'57	
	-4369 Jan 01 j 00:59	0°♏	
	-4369 Feb 09 j 02:17	0°♐	
	-4369 Mar 21 j 01:05	0°♑	
	-4369 May 02 j 07:35	0°♒	
	-4369 Jun 18 j 23:28	0°♓	
retrograde	-4369 Sep 02 j 21:44	26°♓42'47	
min. Earth dist.	-4369 Oct 08 j 01:54	18°♓36'31	0.61387 AU
opposition	-4369 Oct 12 j 15:43	16°♓47'01	-1°07'40
greatest brilliancy	-4369 Oct 12 j 11:40	16°♓51'04	-1.6m
asc. node	-4369 Nov 09 j 10:47	8°♓35'16	
direct	-4369 Nov 19 j 11:43	7°♓55'29	
	-4368 Jan 31 j 04:59	0°♈	
	-4368 Mar 27 j 02:13	0°♉	
	-4368 May 15 j 19:32	0°♊	
	-4368 Jul 01 j 01:29	0°♋	
evening set	-4368 Aug 08 j 06:14	26°♋17'42	
	-4368 Aug 13 j 11:37	0°♌	
max. Earth dist.	-4368 Aug 23 j 13:10	7°♌12'26	2.46240 AU
	-4368 Sep 23 j 14:02	0°♍	
conjunction	-4368 Sep 30 j 17:00	5°♍20'36	0°28'35
minimum elong	-4368 Sep 30 j 18:42	5°♍23'47	0°28'40
	-4368 Nov 02 j 00:01	0°♎	
desc. node	-4368 Nov 11 j 06:25	7°♎10'55	
morning rise	-4368 Nov 29 j 11:07	21°♎21'58	
	-4368 Dec 10 j 11:53	0°♏	
	-4367 Jan 17 j 22:02	0°♐	
	-4367 Feb 26 j 03:39	0°♑	
	-4367 Apr 08 j 02:43	0°♒	
	-4367 May 21 j 21:30	0°♓	
	-4367 Jul 09 j 15:09	0°♈	
	-4367 Sep 16 j 07:28	0°♉	
asc. node	-4367 Sep 26 j 11:12	1°♉52'21	
retrograde	-4367 Oct 07 j 08:44	2°♉36'19	
	-4367 Oct 27 j 02:01	30°℞♈	
opposition	-4367 Nov 16 j 09:11	22°♈48'58	1°52'06
greatest brilliancy	-4367 Nov 16 j 06:48	22°♈51'21	-1.4m
min. Earth dist.	-4367 Nov 15 j 12:31	23°♈09'43	0.66750 AU
direct	-4367 Dec 26 j 12:58	13°♈08'22	
	-4366 Feb 26 j 06:33	0°♉	
	-4366 Apr 24 j 00:26	0°♊	
	-4366 Jun 11 j 04:36	0°♋	
	-4366 Jul 25 j 03:31	0°♌	
	-4366 Sep 04 j 05:36	0°♍	
desc. node	-4366 Sep 29 j 03:13	18°♍56'20	
evening set	-4366 Oct 01 j 22:20	21°♍05'37	
	-4366 Oct 13 j 10:11	0°♎	
	-4366 Nov 20 j 15:51	0°♏	
conjunction	-4366 Dec 04 j 03:39	10°♏37'28	-0°44'15
minimum elong	-4366 Dec 04 j 00:24	10°♏31'04	0°44'20
	-4366 Dec 28 j 21:07	0°♐	
max. Earth dist.	-4365 Jan 01 j 01:54	2°♐29'22	2.38062 AU
	-4365 Feb 05 j 23:04	0°♑	
morning rise	-4365 Feb 10 j 01:55	3°♑06'00	
	-4365 Mar 18 j 16:12	0°♒	
	-4365 Apr 30 j 15:52	0°♓	
	-4365 Jun 15 j 12:45	0°♈	
	-4365 Aug 04 j 17:58	0°♉	
asc. node	-4365 Aug 14 j 11:18	5°♉20'20	
	-4365 Oct 07 j 23:40	0°♊	
retrograde	-4365 Nov 11 j 13:42	6°♊17'20	
	-4365 Dec 13 j 04:18	30°℞♉	
opposition	-4365 Dec 20 j 17:35	27°♉05'50	4°04'08
greatest brilliancy	-4365 Dec 21 j 01:36	26°♉57'56	-1.4m
min. Earth dist.	-4365 Dec 23 j 16:12	25°♉56'11	0.65842 AU
direct	-4364 Jan 30 j 22:35	17°♉04'57	
	-4364 Mar 22 j 15:11	0°♊	
	-4364 May 18 j 03:38	0°♋	
	-4364 Jul 03 j 04:43	0°♌	
	-4364 Aug 13 j 22:52	0°♍	
desc. node	-4364 Aug 16 j 00:14	1°♍31'54	
	-4364 Sep 22 j 08:33	0°♎	
	-4364 Oct 30 j 16:26	0°♏	
evening set	-4364 Dec 07 j 22:55	29°♏57'05	
	-4364 Dec 08 j 00:25	0°♐	
	-4363 Jan 16 j 06:34	0°♑	
conjunction	-4363 Feb 09 j 06:55	17°♑47'14	-1°05'12
minimum elong	-4363 Feb 09 j 08:23	17°♑49'56	1°05'25
	-4363 Feb 26 j 04:01	0°♒	
max. Earth dist.	-4363 Mar 22 j 22:04	17°♒27'57	2.50388 AU
morning rise	-4363 Apr 09 j 10:56	29°♒31'51	
	-4363 Apr 10 j 03:28	0°♓	
	-4363 May 25 j 08:20	0°♈	
asc. node	-4363 Jul 01 j 11:00	23°♈33'47	
	-4363 Jul 11 j 20:46	0°♉	
	-4363 Aug 31 j 12:29	0°♊	
	-4363 Oct 30 j 00:36	0°♋	
retrograde	-4363 Dec 20 j 16:07	12°♋33'46	
opposition	-4362 Jan 26 j 19:18	4°♋23'26	5°11'52
greatest brilliancy	-4362 Jan 27 j 22:54	3°♋57'26	-1.7m
min. Earth dist.	-4362 Feb 02 j 10:55	1°♋53'17	0.58605 AU
	-4362 Feb 07 j 17:07	30°℞♊	
direct	-4362 Mar 08 j 08:34	24°♊41'36	
	-4362 Apr 07 j 14:35	0°♋	
	-4362 Jun 07 j 03:23	0°♌	
desc. node	-4362 Jul 03 j 23:39	17°♌28'19	
	-4362 Jul 21 j 22:39	0°♍	
	-4362 Aug 31 j 13:35	0°♎	
	-4362 Oct 09 j 14:24	0°♏	
	-4362 Nov 17 j 12:20	0°♐	
	-4362 Dec 27 j 08:12	0°♑	
	-4361 Feb 06 j 18:52	0°♒	
evening set	-4361 Feb 07 j 07:22	0°♒22'05	
	-4361 Mar 22 j 04:31	0°♓	
conjunction	-4361 Apr 03 j 01:56	7°♓59'41	-0°26'10
minimum elong	-4361 Apr 03 j 03:08	8°♓01'41	0°26'15
max. Earth dist.	-4361 Apr 24 j 22:42	22°♓28'22	2.60941 AU
	-4361 May 06 j 11:07	0°♈	
asc. node	-4361 May 19 j 08:15	8°♈20'38	
morning rise	-4361 May 23 j 19:46	11°♈13'51	
	-4361 Jun 22 j 05:46	0°♉	
	-4361 Aug 09 j 04:09	0°♊	
	-4361 Sep 27 j 13:03	0°♋	
	-4361 Nov 19 j 15:50	0°♌	
retrograde	-4360 Feb 11 j 21:54	28°♌22'29	
opposition	-4360 Mar 16 j 10:25	21°♌53'53	3°45'49
greatest brilliancy	-4360 Mar 17 j 16:38	21°♌28'55	-2.3m
min. Earth dist.	-4360 Mar 24 j 18:54	19°♌09'19	0.46307 AU
direct	-4360 Apr 22 j 04:21	14°♌00'23	
desc. node	-4360 May 21 j 00:32	19°♌14'33	
	-4360 Jun 14 j 17:33	0°♍	
	-4360 Aug 02 j 15:16	0°♎	
	-4360 Sep 13 j 20:45	0°♏	
	-4360 Oct 24 j 18:09	0°♐	
	-4360 Dec 05 j 02:25	0°♑	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-4359 Jan 16 j 18:25	0°♒	
	-4359 Mar 02 j 02:25	0°♓	
evening set	-4359 Mar 25 j 20:17	15°♓38'43	
asc. node	-4359 Apr 05 j 04:36	22°♓23'22	
	-4359 Apr 16 j 22:27	0°♈	
conjunction	-4359 May 14 j 02:28	17°♈27'54	0°21'39
minimum elong	-4359 May 14 j 01:40	17°♈26'37	0°21'41
max. Earth dist.	-4359 May 19 j 08:28	20°♈49'21	2.66391 AU
	-4359 Jun 02 j 17:23	0°♉	
morning rise	-4359 Jun 29 j 13:51	17°♉07'00	
	-4359 Jul 19 j 18:37	0°♊	
	-4359 Sep 04 j 14:37	0°♋	
	-4359 Oct 21 j 05:05	0°♌	
	-4359 Dec 07 j 03:00	0°♍	
	-4358 Jan 25 j 00:07	0°♎	
	-4358 Mar 26 j 10:43	0°♏	
desc. node	-4358 Apr 08 j 01:11	3°♏42'38	
retrograde	-4358 Apr 27 j 23:55	6°♏10'40	
opposition	-4358 May 28 j 14:48	1°♏04'52	-3°41'57
greatest brilliancy	-4358 May 28 j 11:28	1°♏07'05	-2.9m
min. Earth dist.	-4358 May 28 j 07:36	1°♏09'40	0.37704 AU
	-4358 Jun 01 j 17:02	30°℞♎	
direct	-4358 Jun 27 j 18:27	26°♎02'09	
	-4358 Jul 23 j 00:26	0°♏	
	-4358 Sep 22 j 17:08	0°♐	
	-4358 Nov 09 j 09:54	0°♑	
	-4358 Dec 25 j 13:07	0°♒	
	-4357 Feb 09 j 23:56	0°♓	
asc. node	-4357 Feb 21 j 01:50	7°♓05'34	
	-4357 Mar 29 j 02:05	0°♈	
evening set	-4357 May 05 j 03:46	23°♈28'41	
	-4357 May 15 j 10:31	0°♉	
max. Earth dist.	-4357 Jun 12 j 02:09	17°♉37'01	2.66440 AU
conjunction	-4357 Jun 21 j 00:36	23°♉20'45	0°57'42
minimum elong	-4357 Jun 20 j 23:22	23°♉18'46	0°57'51
	-4357 Jul 01 j 08:43	0°♊	
morning rise	-4357 Aug 05 j 07:54	22°♊46'59	
	-4357 Aug 16 j 06:01	0°♋	
	-4357 Sep 29 j 19:42	0°♌	
	-4357 Nov 12 j 02:40	0°♍	
	-4357 Dec 24 j 09:58	0°♎	
	-4356 Feb 04 j 06:54	0°♏	
desc. node	-4356 Feb 24 j 03:15	14°♏06'08	
	-4356 Mar 18 j 00:13	0°♐	
	-4356 May 04 j 13:33	0°♑	
retrograde	-4356 Jul 03 j 20:42	20°♑05'50	
min. Earth dist.	-4356 Jul 31 j 18:45	14°♑50'11	0.45553 AU
greatest brilliancy	-4356 Aug 07 j 08:01	12°♑35'38	-2.4m
opposition	-4356 Aug 08 j 21:42	12°♑03'14	-5°57'49
direct	-4356 Sep 10 j 07:21	5°♑31'21	
	-4356 Nov 23 j 23:30	0°♒	
asc. node	-4355 Jan 08 j 00:15	24°♒53'10	
	-4355 Jan 16 j 18:57	0°♓	
	-4355 Mar 07 j 22:41	0°♈	
	-4355 Apr 25 j 16:43	0°♉	
evening set	-4355 Jun 11 j 13:17	29°♉40'01	
	-4355 Jun 12 j 01:42	0°♊	
max. Earth dist.	-4355 Jul 06 j 11:33	15°♊53'33	2.61154 AU
	-4355 Jul 27 j 16:54	0°♋	
conjunction	-4355 Jul 28 j 15:27	0°♋37'52	1°11'12
minimum elong	-4355 Jul 28 j 15:31	0°♋37'59	1°11'26
	-4355 Sep 09 j 09:56	0°♌	
morning rise	-4355 Sep 14 j 02:14	3°♌17'28	
	-4355 Oct 21 j 07:28	0°♍	
	-4355 Nov 30 j 18:38	0°♎	
	-4354 Jan 09 j 08:53	0°♏	
desc. node	-4354 Jan 11 j 02:57	1°♏20'05	
	-4354 Feb 17 j 21:12	0°♐	
	-4354 Mar 30 j 10:53	0°♑	
	-4354 May 13 j 01:58	0°♒	
	-4354 Jul 05 j 16:21	0°♓	
retrograde	-4354 Aug 18 j 22:48	11°♓05'39	
min. Earth dist.	-4354 Sep 21 j 05:09	3°♓40'24	0.57685 AU
opposition	-4354 Sep 27 j 04:22	1°♓19'58	-2°29'19
greatest brilliancy	-4354 Sep 26 j 16:38	1°♓31'29	-1.8m
	-4354 Sep 30 j 14:45	30°℞♒	
direct	-4354 Nov 02 j 18:14	22°♒57'25	
asc. node	-4354 Nov 26 j 00:35	26°♒02'47	
	-4354 Dec 09 j 09:03	0°♓	
	-4353 Feb 12 j 00:12	0°♈	
	-4353 Apr 05 j 11:46	0°♉	
	-4353 May 24 j 05:16	0°♊	
	-4353 Jul 09 j 03:55	0°♋	
evening set	-4353 Jul 22 j 12:23	9°♋02'56	
max. Earth dist.	-4353 Aug 07 j 07:57	19°♋58'13	2.51088 AU
	-4353 Aug 21 j 14:03	0°♌	
conjunction	-4353 Sep 11 j 04:48	14°♌49'08	0°49'26
minimum elong	-4353 Sep 11 j 06:43	14°♌52'37	0°49'34
	-4353 Oct 01 j 19:53	0°♍	
morning rise	-4353 Nov 05 j 02:31	25°♍53'50	
	-4353 Nov 10 j 10:54	0°♎	
desc. node	-4353 Nov 29 j 00:09	14°♎19'42	
	-4353 Dec 19 j 03:54	0°♏	
	-4352 Jan 26 j 18:30	0°♐	
	-4352 Mar 06 j 04:23	0°♑	
	-4352 Apr 16 j 10:18	0°♒	
	-4352 May 30 j 23:52	0°♓	
	-4352 Jul 21 j 21:37	0°♈	
retrograde	-4352 Sep 23 j 21:29	19°♈21'58	
asc. node	-4352 Oct 13 j 02:13	16°♈50'55	
min. Earth dist.	-4352 Oct 31 j 14:47	10°♈23'25	0.65355 AU
opposition	-4352 Nov 02 j 22:39	9°♈27'13	0°48'00
greatest brilliancy	-4352 Nov 02 j 20:36	9°♈29'16	-1.4m
direct	-4352 Dec 12 j 07:45	0°♈02'17	
	-4351 Mar 10 j 22:55	0°♉	
	-4351 May 02 j 16:33	0°♊	
	-4351 Jun 18 j 21:03	0°♋	
	-4351 Aug 01 j 13:15	0°♌	
evening set	-4351 Sep 08 j 19:40	27°♌55'01	
	-4351 Sep 11 j 14:27	0°♍	
max. Earth dist.	-4351 Oct 08 j 13:14	20°♍29'31	2.39067 AU
desc. node	-4351 Oct 15 j 21:14	26°♍09'09	
	-4351 Oct 20 j 20:20	0°♎	
conjunction	-4351 Nov 07 j 03:22	13°♎29'50	-0°15'59
minimum elong	-4351 Nov 07 j 02:02	13°♎27'13	0°16'01
behind sun begin	-4351 Nov 06 j 20:47	13°♎16'56	
behind sun end	-4351 Nov 07 j 07:18	13°♎37'31	
	-4351 Nov 28 j 03:34	0°♏	
	-4350 Jan 05 j 09:44	0°♐	
morning rise	-4350 Jan 12 j 21:49	5°♐49'39	
	-4350 Feb 13 j 11:57	0°♑	
	-4350 Mar 26 j 05:37	0°♒	
	-4350 May 08 j 08:57	0°♓	
	-4350 Jun 23 j 21:14	0°♈	
	-4350 Aug 15 j 17:02	0°♉	
asc. node	-4350 Aug 31 j 03:17	7°♉26'46	
retrograde	-4350 Oct 28 j 15:07	23°♉19'43	
opposition	-4350 Dec 07 j 05:49	13°♉51'38	3°18'55
greatest brilliancy	-4350 Dec 07 j 08:08	13°♉49'19	-1.3m

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

min. Earth dist.	-4350 Dec 08 j 16:33	13°♉17'02	0.66955 AU	
direct	-4349 Jan 17 j 04:35	3°♉55'13		
	-4349 Apr 07 j 00:25	0°♊		
	-4349 May 28 j 11:54	0°♋		
	-4349 Jul 12 j 10:22	0°♌		
	-4349 Aug 22 j 19:50	0°♍		
desc. node	-4349 Sep 02 j 18:34	8°♍14'17		
	-4349 Oct 01 j 02:15	0°♎		
	-4349 Nov 08 j 08:09	0°♏		
evening set	-4349 Nov 11 j 18:44	2°♏42'40		
	-4349 Dec 16 j 13:49	0°♐		
conjunction	-4348 Jan 16 j 05:02	23°♐34'22	-1°07'31	
minimum elong	-4348 Jan 16 j 04:17	23°♐32'56	1°07'43	
	-4348 Jan 24 j 17:04	0°♑		
max. Earth dist.	-4348 Mar 04 j 09:27	29°♑13'20	2.45250 AU	
	-4348 Mar 05 j 11:25	0°♒		
morning rise	-4348 Mar 19 j 15:48	10°♒05'46		
	-4348 Apr 17 j 09:04	0°♓		
	-4348 Jun 01 j 16:53	0°♈		
asc. node	-4348 Jul 18 j 02:27	28°♈56'05		
	-4348 Jul 19 j 20:58	0°♉		
	-4348 Sep 10 j 22:25	0°♊		
retrograde	-4348 Dec 04 j 02:40	27°♊59'02		
opposition	-4347 Jan 11 j 04:32	19°♊21'04	4°55'56	
greatest brilliancy	-4347 Jan 12 j 00:11	19°♊02'08	-1.5m	
min. Earth dist.	-4347 Jan 16 j 10:33	17°♊19'38	0.62164 AU	
direct	-4347 Feb 21 j 05:51	9°♊25'09		
	-4347 Apr 28 j 17:39	0°♋		
	-4347 Jun 18 j 04:31	0°♌		
desc. node	-4347 Jul 20 j 16:24	22°♌22'08		
	-4347 Jul 31 j 05:51	0°♍		
	-4347 Sep 09 j 04:46	0°♎		
	-4347 Oct 17 j 20:27	0°♏		
	-4347 Nov 25 j 10:53	0°♐		
	-4346 Jan 03 j 23:33	0°♑		
evening set	-4346 Jan 16 j 07:07	9°♑07'14		
	-4346 Feb 14 j 03:18	0°♒		
conjunction	-4346 Mar 15 j 06:16	20°♒23'56	-0°44'22	
minimum elong	-4346 Mar 15 j 08:13	20°♒27'19	0°44'29	
	-4346 Mar 29 j 07:13	0°♓		
max. Earth dist.	-4346 Apr 13 j 13:13	10°♓16'24	2.57358 AU	
morning rise	-4346 May 07 j 17:42	26°♓15'41		
	-4346 May 13 j 11:13	0°♈		
asc. node	-4346 Jun 05 j 00:43	14°♈33'07		
	-4346 Jun 29 j 09:41	0°♉		
	-4346 Aug 17 j 01:02	0°♊		
	-4346 Oct 07 j 12:19	0°♋		
	-4346 Dec 08 j 16:59	0°♌		
retrograde	-4345 Jan 19 j 20:38	8°♌51'34		
opposition	-4345 Feb 23 j 22:52	1°♌37'27	4°50'21	
greatest brilliancy	-4345 Feb 25 j 10:04	1°♌06'17	-2.0m	
	-4345 Feb 28 j 12:39	30°℞♋		
min. Earth dist.	-4345 Mar 04 j 05:04	28°♋42'37	0.51455 AU	
direct	-4345 Apr 03 j 17:17	22°♋45'46		
	-4345 May 08 j 13:25	0°♌		
desc. node	-4345 Jun 07 j 17:03	14°♌23'28		
	-4345 Jul 03 j 11:23	0°♍		
	-4345 Aug 15 j 18:06	0°♎		
	-4345 Sep 25 j 01:52	0°♏		
	-4345 Nov 03 j 20:52	0°♐		
	-4345 Dec 14 j 10:01	0°♑		
	-4344 Jan 25 j 11:16	0°♒		
evening set	-4344 Mar 08 j 14:24	29°♒30'13		
	-4344 Mar 09 j 08:11	0°♓		
asc. node	-4344 Apr 21 j 21:09	28°♓42'02		
	-4344 Apr 23 j 21:10	0°♈		
conjunction	-4344 Apr 28 j 13:49	3°♈02'31	0°03'52	
minimum elong	-4344 Apr 28 j 13:39	3°♈02'16	0°03'51	
behind sun begin	-4344 Apr 27 j 17:43	2°♈30'01		
behind sun end	-4344 Apr 29 j 09:35	3°♈34'29		
max. Earth dist.	-4344 May 10 j 00:15	10°♈25'20	2.64899 AU	
	-4344 Jun 09 j 14:12	0°♉		
morning rise	-4344 Jun 15 j 07:08	3°♉38'01		
	-4344 Jul 26 j 20:47	0°♊		
	-4344 Sep 12 j 09:44	0°♋		
	-4344 Oct 30 j 13:40	0°♌		
	-4344 Dec 20 j 00:44	0°♍		
	-4343 Feb 20 j 07:30	0°♎		
retrograde	-4343 Mar 27 j 03:17	6°♎35'43		
desc. node	-4343 Apr 24 j 19:07	1°♎57'10		
opposition	-4343 Apr 27 j 00:31	1°♎20'03	-0°09'44	
greatest brilliancy	-4343 Apr 27 j 01:14	1°♎19'32	-2.9m	
	-4343 May 01 j 18:48	30°℞♍		
min. Earth dist.	-4343 May 01 j 23:57	29°♍56'26	0.39428 AU	
direct	-4343 May 29 j 10:29	25°♍27'51		
	-4343 Jun 25 j 01:34	0°♎		
	-4343 Aug 22 j 22:42	0°♏		
	-4343 Oct 07 j 08:52	0°♐		
	-4343 Nov 20 j 03:35	0°♑		
	-4342 Jan 03 j 09:13	0°♒		
	-4342 Feb 17 j 18:06	0°♓		
asc. node	-4342 Mar 09 j 16:58	12°♓57'14		
	-4342 Apr 05 j 05:29	0°♈		
evening set	-4342 Apr 19 j 23:53	9°♈25'53		
	-4342 May 22 j 06:57	0°♉		
max. Earth dist.	-4342 Jun 02 j 19:29	7°♉20'38	2.67068 AU	
conjunction	-4342 Jun 06 j 11:48	9°♉41'27	0°45'52	
minimum elong	-4342 Jun 06 j 10:31	9°♉39'24	0°45'58	
	-4342 Jul 08 j 04:47	0°♊		
morning rise	-4342 Jul 21 j 21:40	8°♊50'34		
	-4342 Aug 23 j 08:39	0°♋		
	-4342 Oct 07 j 12:40	0°♌		
	-4342 Nov 20 j 19:09	0°♍		
	-4341 Jan 03 j 13:27	0°♎		
	-4341 Feb 16 j 16:48	0°♏		
desc. node	-4341 Mar 12 j 19:45	15°♏45'22		
	-4341 Apr 05 j 06:00	0°♐		
retrograde	-4341 Jun 11 j 19:23	23°♐54'59		
min. Earth dist.	-4341 Jul 08 j 13:23	19°♐19'41	0.40983 AU	
greatest brilliancy	-4341 Jul 13 j 22:54	17°♐40'40	-2.7m	
opposition	-4341 Jul 15 j 10:34	17°♐13'09	-6°27'18	
direct	-4341 Aug 15 j 05:05	11°♐34'51		
	-4341 Oct 15 j 13:45	0°♑		
	-4341 Dec 08 j 16:36	0°♒		
asc. node	-4340 Jan 25 j 15:21	29°♒03'13		
	-4340 Jan 27 j 04:20	0°♓		
	-4340 Mar 15 j 18:01	0°♈		
	-4340 May 02 j 19:31	0°♉		
evening set	-4340 May 27 j 14:41	15°♉41'18		
	-4340 Jun 18 j 22:39	0°♊		
max. Earth dist.	-4340 Jun 26 j 07:35	4°♊46'13	2.63830 AU	
conjunction	-4340 Jul 13 j 06:57	15°♊51'14	1°09'23	
minimum elong	-4340 Jul 13 j 06:20	15°♊50'13	1°09'35	
	-4340 Aug 03 j 15:01	0°♋		
morning rise	-4340 Aug 28 j 10:02	16°♋46'05		
	-4340 Sep 16 j 14:24	0°♌		
	-4340 Oct 28 j 22:16	0°♍		
	-4340 Dec 08 j 22:25	0°♎		
	-4339 Jan 18 j 03:26	0°♏		

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

desc. node	-4339 Jan 27 j 19:34	7°♏14'44	
	-4339 Feb 27 j 09:07	0°♐	
	-4339 Apr 10 j 02:37	0°♑	
	-4339 May 26 j 21:46	0°♒	
retrograde	-4339 Aug 02 j 15:35	23°♒34'46	
min. Earth dist.	-4339 Sep 02 j 19:39	16°♒57'09	0.53262 AU
greatest brilliancy	-4339 Sep 09 j 02:29	14°♒34'07	-2.0m
opposition	-4339 Sep 10 j 00:32	14°♒13'08	-3°55'31
direct	-4339 Oct 15 j 03:31	6°♒27'06	
asc. node	-4339 Dec 12 j 15:49	22°♒27'07	
	-4339 Dec 28 j 13:34	0°♓	
	-4338 Feb 21 j 19:29	0°♈	
	-4338 Apr 13 j 08:13	0°♉	
	-4338 May 31 j 09:34	0°♊	
evening set	-4338 Jul 05 j 23:26	23°♊11'10	
	-4338 Jul 16 j 04:02	0°♋	
max. Earth dist.	-4338 Jul 24 j 13:35	5°♋40'26	2.55526 AU
conjunction	-4338 Aug 23 j 17:54	26°♋31'48	1°03'02
minimum elong	-4338 Aug 23 j 19:16	26°♋34'11	1°03'13
	-4338 Aug 28 j 16:01	0°♌	
	-4338 Oct 09 j 02:58	0°♍	
morning rise	-4338 Oct 13 j 21:33	3°♍32'15	
	-4338 Nov 18 j 00:25	0°♎	
desc. node	-4338 Dec 15 j 18:21	21°♎19'01	
	-4338 Dec 26 j 23:56	0°♏	
	-4337 Feb 03 j 20:25	0°♐	
	-4337 Mar 15 j 12:50	0°♑	
	-4337 Apr 26 j 06:46	0°♒	
	-4337 Jun 11 j 07:33	0°♓	
	-4337 Aug 11 j 08:26	0°♈	
retrograde	-4337 Sep 11 j 02:55	5°♈30'59	
	-4337 Oct 09 j 14:49	30°℞♓	
min. Earth dist.	-4337 Oct 17 j 06:00	27°♓04'25	0.63050 AU
opposition	-4337 Oct 21 j 00:32	25°♓33'36	-0°23'08
greatest brilliancy	-4337 Oct 20 j 23:27	25°♓34'42	-1.6m
asc. node	-4337 Oct 30 j 16:47	21°♓50'37	
direct	-4337 Nov 28 j 10:42	16°♓28'40	
	-4336 Jan 21 j 11:47	0°♈	
	-4336 Mar 21 j 02:30	0°♉	
	-4336 May 10 j 16:56	0°♊	
	-4336 Jun 26 j 06:22	0°♋	
	-4336 Aug 08 j 18:58	0°♌	
evening set	-4336 Aug 19 j 03:38	7°♌25'03	
max. Earth dist.	-4336 Sep 05 j 11:51	20°♌03'19	2.43511 AU
	-4336 Sep 18 j 21:18	0°♍	
conjunction	-4336 Oct 13 j 12:00	18°♍38'18	0°13'35
minimum elong	-4336 Oct 13 j 12:57	18°♍40'08	0°13'38
behind sun begin	-4336 Oct 12 j 23:02	18°♍13'30	
behind sun end	-4336 Oct 14 j 02:52	19°♍06'46	
	-4336 Oct 28 j 06:05	0°♎	
desc. node	-4336 Nov 01 j 14:57	3°♎23'09	
	-4336 Dec 05 j 16:25	0°♏	
morning rise	-4336 Dec 15 j 01:36	7°♏21'41	
	-4335 Jan 13 j 00:48	0°♐	
	-4335 Feb 21 j 04:24	0°♑	
	-4335 Apr 03 j 00:07	0°♒	
	-4335 May 16 j 10:25	0°♓	
	-4335 Jul 03 j 01:00	0°♈	
	-4335 Aug 30 j 15:04	0°♉	
asc. node	-4335 Sep 16 j 17:34	5°♉59'09	
retrograde	-4335 Oct 15 j 02:06	10°♉28'42	
opposition	-4335 Nov 23 j 23:58	0°♉47'13	2°26'08
greatest brilliancy	-4335 Nov 23 j 22:36	0°♉48'35	-1.3m
min. Earth dist.	-4335 Nov 23 j 23:04	0°♉48'06	0.67093 AU
	-4335 Nov 25 j 23:04	30°℞♈	

direct	-4334 Jan 03 j 11:36	20°♈59'43	
	-4334 Feb 15 j 03:34	0°♉	
	-4334 Apr 17 j 20:16	0°♊	
	-4334 Jun 05 j 23:06	0°♋	
	-4334 Jul 20 j 05:42	0°♌	
	-4334 Aug 30 j 10:16	0°♍	
desc. node	-4334 Sep 19 j 11:54	15°♍12'42	
	-4334 Oct 08 j 15:22	0°♎	
evening set	-4334 Oct 16 j 04:38	5°♎53'22	
	-4334 Nov 15 j 20:52	0°♏	
conjunction	-4334 Dec 19 j 23:27	26°♏48'13	-0°56'33
minimum elong	-4334 Dec 19 j 20:23	26°♏42'13	0°56'42
	-4334 Dec 24 j 01:46	0°♐	
	-4333 Feb 01 j 03:29	0°♑	
max. Earth dist.	-4333 Feb 03 j 15:25	1°♑52'52	2.40198 AU
morning rise	-4333 Feb 24 j 22:42	17°♑43'17	
	-4333 Mar 13 j 20:12	0°♒	
	-4333 Apr 25 j 17:43	0°♓	
	-4333 Jun 10 j 07:38	0°♈	
	-4333 Jul 29 j 12:51	0°♉	
asc. node	-4333 Aug 04 j 18:02	3°♉34'01	
	-4333 Sep 25 j 08:36	0°♊	
retrograde	-4333 Nov 19 j 20:58	14°♊18'13	
opposition	-4333 Dec 28 j 16:43	5°♊17'30	4°26'03
greatest brilliancy	-4333 Dec 29 j 04:37	5°♊05'51	-1.4m
min. Earth dist.	-4332 Jan 01 j 11:14	3°♊48'47	0.64818 AU
	-4332 Jan 11 j 19:38	30°℞♉	
direct	-4332 Feb 07 j 22:04	25°♉16'22	
	-4332 Mar 08 j 04:11	0°♊	
	-4332 May 11 j 11:18	0°♋	
	-4332 Jun 27 j 15:52	0°♌	
desc. node	-4332 Aug 06 j 10:57	28°♌16'00	
	-4332 Aug 08 j 19:19	0°♍	
	-4332 Sep 17 j 08:56	0°♎	
	-4332 Oct 25 j 18:52	0°♏	
	-4332 Dec 03 j 04:07	0°♐	
evening set	-4332 Dec 22 j 19:47	15°♐07'34	
	-4331 Jan 11 j 11:24	0°♑	
	-4331 Feb 21 j 09:57	0°♒	
conjunction	-4331 Feb 22 j 08:35	0°♒40'30	-0°59'19
minimum elong	-4331 Feb 22 j 10:38	0°♒44'08	0°59'30
max. Earth dist.	-4331 Mar 31 j 14:48	26°♒43'57	2.53056 AU
	-4331 Apr 05 j 09:42	0°♓	
morning rise	-4331 Apr 20 j 07:10	10°♓03'19	
	-4331 May 20 j 13:02	0°♈	
asc. node	-4331 Jun 21 j 15:56	20°♈33'02	
	-4331 Jul 06 j 18:27	0°♉	
	-4331 Aug 25 j 11:30	0°♊	
	-4331 Oct 19 j 17:20	0°♋	
retrograde	-4331 Dec 30 j 23:06	21°♋53'44	
opposition	-4330 Feb 05 j 10:21	14°♋01'23	5°11'42
greatest brilliancy	-4330 Feb 06 j 17:44	13°♋32'18	-1.8m
min. Earth dist.	-4330 Feb 12 j 18:04	11°♋18'58	0.56271 AU
direct	-4330 Mar 17 j 11:52	4°♋32'39	
	-4330 May 29 j 17:59	0°♌	
desc. node	-4330 Jun 24 j 10:26	15°♌45'18	
	-4330 Jul 15 j 13:33	0°♍	
	-4330 Aug 25 j 20:33	0°♎	
	-4330 Oct 04 j 05:47	0°♏	
	-4330 Nov 12 j 09:16	0°♐	
	-4330 Dec 22 j 09:27	0°♑	
	-4329 Feb 01 j 23:41	0°♒	
evening set	-4329 Feb 18 j 19:42	11°♒46'10	
	-4329 Mar 17 j 11:46	0°♓	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

conjunction	-4329 Apr 13 j 02:20	17°♓44'33	-0°15'07
minimum elong	-4329 Apr 13 j 03:01	17°♓45'40	0°15'10
behind sun begin	-4329 Apr 12 j 21:14	17°♓36'09	
behind sun end	-4329 Apr 13 j 08:48	17°♓55'12	
max. Earth dist.	-4329 May 01 j 02:24	29°♓32'09	2.62570 AU
	-4329 May 01 j 19:31	0°♈	
asc. node	-4329 May 09 j 12:47	5°♈00'43	
morning rise	-4329 Jun 01 j 14:34	19°♈51'27	
	-4329 Jun 17 j 12:31	0°♉	
	-4329 Aug 04 j 03:43	0°♊	
	-4329 Sep 21 j 17:09	0°♋	
	-4329 Nov 11 j 10:05	0°♌	
	-4328 Jan 09 j 20:33	0°♍	
retrograde	-4328 Feb 26 j 14:42	11°♍17'18	
opposition	-4328 Mar 30 j 05:21	5°♍16'30	2°41'14
greatest brilliancy	-4328 Mar 31 j 02:57	4°♍59'38	-2.5m
min. Earth dist.	-4328 Apr 07 j 01:13	2°♍50'46	0.43534 AU
	-4328 Apr 17 j 17:39	30°℞♌	
direct	-4328 May 04 j 12:24	28°♌04'52	
desc. node	-4328 May 11 j 10:42	28°♌24'31	
	-4328 May 21 j 12:56	0°♍	
	-4328 Jul 24 j 06:42	0°♎	
	-4328 Sep 06 j 16:53	0°♏	
	-4328 Oct 18 j 14:30	0°♐	
	-4328 Nov 29 j 13:33	0°♑	
	-4327 Jan 11 j 15:45	0°♒	
	-4327 Feb 25 j 06:28	0°♓	
asc. node	-4327 Mar 26 j 09:50	19°♓05'19	
evening set	-4327 Apr 04 j 05:27	24°♓48'08	
	-4327 Apr 12 j 06:39	0°♈	
conjunction	-4327 May 22 j 17:57	25°♈55'52	0°31'13
minimum elong	-4327 May 22 j 16:54	25°♈54'10	0°31'16
max. Earth dist.	-4327 May 24 j 18:47	27°♈13'44	2.66853 AU
	-4327 May 29 j 03:03	0°♉	
morning rise	-4327 Jul 07 j 17:18	25°♉16'31	
	-4327 Jul 15 j 02:25	0°♊	
	-4327 Aug 30 j 15:55	0°♋	
	-4327 Oct 15 j 15:57	0°♌	
	-4327 Nov 30 j 09:39	0°♍	
	-4326 Jan 15 j 17:18	0°♎	
	-4326 Mar 06 j 10:15	0°♏	
desc. node	-4326 Mar 29 j 12:28	11°♏46'06	
retrograde	-4326 May 15 j 10:54	24°♏02'26	
min. Earth dist.	-4326 Jun 12 j 09:27	19°♏29'20	0.38092 AU
opposition	-4326 Jun 15 j 15:29	18°♏36'18	-5°16'53
greatest brilliancy	-4326 Jun 14 j 23:10	18°♏47'25	-2.9m
direct	-4326 Jul 15 j 11:02	13°♏34'54	
	-4326 Sep 09 j 15:38	0°♐	
	-4326 Nov 01 j 14:20	0°♑	
	-4326 Dec 19 j 10:48	0°♒	
	-4325 Feb 04 j 17:06	0°♓	
asc. node	-4325 Feb 11 j 07:13	4°♓10'10	
	-4325 Mar 24 j 05:38	0°♈	
	-4325 May 10 j 19:13	0°♉	
evening set	-4325 May 13 j 17:46	1°♉51'43	
max. Earth dist.	-4325 Jun 17 j 14:07	24°♉04'48	2.65724 AU
	-4325 Jun 26 j 18:44	0°♊	
conjunction	-4325 Jun 29 j 10:32	1°♊43'01	1°03'06
minimum elong	-4325 Jun 29 j 09:27	1°♊41'16	1°03'16
	-4325 Aug 11 j 14:10	0°♋	
morning rise	-4325 Aug 13 j 21:22	1°♋31'55	
	-4325 Sep 24 j 22:20	0°♌	
	-4325 Nov 06 j 20:20	0°♍	
	-4325 Dec 18 j 14:47	0°♎	
	-4324 Jan 28 j 18:15	0°♏	
desc. node	-4324 Feb 14 j 13:00	12°♏13'28	
	-4324 Mar 10 j 06:19	0°♐	
	-4324 Apr 23 j 12:14	0°♑	
	-4324 Jun 22 j 21:10	0°♒	
retrograde	-4324 Jul 15 j 09:22	3°♒24'13	
	-4324 Aug 06 j 04:54	30°℞♑	
min. Earth dist.	-4324 Aug 13 j 08:45	27°♑39'58	0.48318 AU
greatest brilliancy	-4324 Aug 20 j 00:59	25°♑16'42	-2.2m
opposition	-4324 Aug 21 j 10:02	24°♑47'00	-5°18'51
direct	-4324 Sep 23 j 20:36	17°♑46'32	
	-4324 Nov 12 j 00:53	0°♒	
asc. node	-4324 Dec 29 j 06:32	23°♒26'59	
	-4323 Jan 10 j 01:39	0°♓	
	-4323 Mar 02 j 13:18	0°♈	
	-4323 Apr 20 j 20:13	0°♉	
	-4323 Jun 07 j 10:31	0°♊	
evening set	-4323 Jun 20 j 06:33	8°♊17'40	
max. Earth dist.	-4323 Jul 12 j 18:21	23°♊04'39	2.59332 AU
	-4323 Jul 23 j 03:01	0°♋	
conjunction	-4323 Aug 06 j 19:37	9°♋56'45	1°09'56
minimum elong	-4323 Aug 06 j 20:09	9°♋57'40	1°10'08
	-4323 Sep 04 j 18:15	0°♌	
morning rise	-4323 Sep 24 j 08:10	13°♌55'09	
	-4323 Oct 16 j 11:55	0°♍	
	-4323 Nov 25 j 17:43	0°♎	
desc. node	-4322 Jan 01 j 11:34	28°♎00'14	
	-4322 Jan 04 j 02:05	0°♏	
	-4322 Feb 12 j 07:31	0°♐	
	-4322 Mar 24 j 11:04	0°♑	
	-4322 May 06 j 03:20	0°♒	
	-4322 Jun 24 j 08:45	0°♓	
retrograde	-4322 Aug 27 j 16:11	20°♓37'41	
min. Earth dist.	-4322 Oct 01 j 00:17	12°♓48'40	0.59833 AU
opposition	-4322 Oct 06 j 04:52	10°♓45'04	-1°41'25
greatest brilliancy	-4322 Oct 05 j 21:54	10°♓51'59	-1.7m
direct	-4322 Nov 12 j 11:19	2°♓05'42	
asc. node	-4322 Nov 16 j 07:34	2°♓11'19	
	-4321 Feb 04 j 18:07	0°♈	
	-4321 Mar 31 j 00:35	0°♉	
	-4321 May 19 j 08:01	0°♊	
	-4321 Jul 04 j 12:01	0°♋	
evening set	-4321 Aug 01 j 10:07	19°♋04'07	
	-4321 Aug 16 j 23:21	0°♌	
max. Earth dist.	-4321 Aug 16 j 14:07	29°♋43'37	2.48446 AU
conjunction	-4321 Sep 22 j 12:36	26°♌32'27	0°38'25
minimum elong	-4321 Sep 22 j 14:31	26°♌36'00	0°38'31
	-4321 Sep 27 j 04:15	0°♍	
	-4321 Nov 05 j 16:53	0°♎	
morning rise	-4321 Nov 19 j 00:29	10°♎18'00	
desc. node	-4321 Nov 19 j 10:08	10°♎36'44	
	-4321 Dec 14 j 07:06	0°♏	
	-4320 Jan 21 j 18:42	0°♐	
	-4320 Mar 01 j 01:03	0°♑	
	-4320 Apr 11 j 01:23	0°♒	
	-4320 May 25 j 00:49	0°♓	
	-4320 Jul 13 j 16:16	0°♈	
retrograde	-4320 Oct 01 j 16:43	27°♈28'18	
asc. node	-4320 Oct 03 j 08:17	27°♈27'14	
min. Earth dist.	-4320 Nov 09 j 05:13	18°♈13'42	0.66252 AU
opposition	-4320 Nov 10 j 17:33	17°♈37'06	1°26'12
greatest brilliancy	-4320 Nov 10 j 14:55	17°♈39'46	-1.4m
direct	-4320 Dec 20 j 13:03	8°♈03'00	
	-4319 Mar 03 j 05:35	0°♉	
	-4319 Apr 27 j 02:12	0°♊	
	-4319 Jun 13 j 21:16	0°♋	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-4319 Jul 27 j 18:38	0°♌	
	-4319 Sep 06 j 21:29	0°♍	
evening set	-4319 Sep 21 j 12:47	11°♍03'35	
desc. node	-4319 Oct 06 j 07:16	22°♍23'00	
	-4319 Oct 16 j 03:17	0°♎	
max. Earth dist.	-4319 Nov 14 j 20:56	23°♎16'47	2.37669 AU
conjunction	-4319 Nov 22 j 02:47	28°♎58'51	-0°32'39
minimum elong	-4319 Nov 22 j 00:08	28°♎53'37	0°32'43
	-4319 Nov 23 j 09:51	0°♏	
	-4319 Dec 31 j 15:03	0°♐	
morning rise	-4318 Jan 29 j 00:35	21°♐55'05	
	-4318 Feb 08 j 16:04	0°♑	
	-4318 Mar 21 j 08:02	0°♒	
	-4318 May 03 j 07:13	0°♓	
	-4318 Jun 18 j 07:53	0°♈	
	-4318 Aug 08 j 07:46	0°♉	
asc. node	-4318 Aug 21 j 08:19	6°♉51'55	
	-4318 Oct 22 j 08:16	0°♊	
retrograde	-4318 Nov 05 j 14:11	1°♊11'42	
	-4318 Nov 19 j 04:00	30°℞♉	
opposition	-4318 Dec 14 j 23:09	21°♉52'22	3°46'05
greatest brilliancy	-4318 Dec 15 j 04:28	21°♉47'06	-1.3m
min. Earth dist.	-4318 Dec 17 j 05:45	20°♉58'12	0.66469 AU
direct	-4317 Jan 25 j 01:38	11°♉52'43	
	-4317 Mar 29 j 13:30	0°♊	
	-4317 May 22 j 14:43	0°♋	
	-4317 Jul 07 j 04:59	0°♌	
	-4317 Aug 17 j 20:22	0°♍	
desc. node	-4317 Aug 24 j 04:10	4°♍43'54	
	-4317 Sep 26 j 05:08	0°♎	
	-4317 Nov 03 j 12:18	0°♏	
evening set	-4317 Nov 27 j 03:35	18°♏34'29	
	-4317 Dec 11 j 18:50	0°♐	
	-4316 Jan 19 j 22:43	0°♑	
conjunction	-4316 Jan 30 j 17:04	8°♑03'07	-1°07'36
minimum elong	-4316 Jan 30 j 17:45	8°♑04'24	1°07'47
	-4316 Feb 29 j 17:36	0°♒	
max. Earth dist.	-4316 Mar 15 j 13:57	10°♒34'05	2.48122 AU
morning rise	-4316 Mar 31 j 19:18	21°♒53'41	
	-4316 Apr 12 j 14:37	0°♓	
	-4316 May 27 j 19:05	0°♈	
asc. node	-4316 Jul 08 j 08:16	26°♈14'02	
	-4316 Jul 14 j 11:48	0°♉	
	-4316 Sep 03 j 22:02	0°♊	
	-4316 Nov 07 j 12:23	0°♋	
retrograde	-4316 Dec 13 j 09:14	6°♋37'40	
	-4315 Jan 15 j 05:45	30°℞♊	
opposition	-4315 Jan 19 j 22:51	28°♊14'15	5°06'44
greatest brilliancy	-4315 Jan 20 j 23:00	27°♊51'13	-1.6m
min. Earth dist.	-4315 Jan 25 j 23:29	25°♊56'24	0.60318 AU
direct	-4315 Mar 01 j 18:19	18°♊24'33	
	-4315 Apr 17 j 19:52	0°♋	
	-4315 Jun 11 j 12:57	0°♌	
desc. node	-4315 Jul 11 j 03:04	19°♌46'58	
	-4315 Jul 25 j 12:58	0°♍	
	-4315 Sep 03 j 20:41	0°♎	
	-4315 Oct 12 j 17:11	0°♏	
	-4315 Nov 20 j 11:02	0°♐	
	-4315 Dec 30 j 02:28	0°♑	
evening set	-4314 Jan 29 j 01:49	21°♑55'39	
	-4314 Feb 09 j 08:48	0°♒	
	-4314 Mar 24 j 14:26	0°♓	
conjunction	-4314 Mar 26 j 05:04	1°♓05'26	-0°34'05
minimum elong	-4314 Mar 26 j 06:38	1°♓08'06	0°34'11

max. Earth dist.	-4314 Apr 20 j 06:04	17°♓50'32	2.59434 AU
	-4314 May 08 j 18:42	0°♈	
morning rise	-4314 May 17 j 02:10	5°♈23'54	
asc. node	-4314 May 26 j 05:58	11°♈18'34	
	-4314 Jun 24 j 13:47	0°♉	
	-4314 Aug 11 j 18:02	0°♊	
	-4314 Sep 30 j 20:46	0°♋	
	-4314 Nov 25 j 13:26	0°♌	
retrograde	-4313 Feb 01 j 10:32	20°♌00'01	
opposition	-4313 Mar 07 j 16:53	13°♌09'58	4°19'36
greatest brilliancy	-4313 Mar 09 j 02:31	12°♌41'10	-2.2m
min. Earth dist.	-4313 Mar 16 j 03:49	10°♌17'21	0.48632 AU
direct	-4313 Apr 14 j 10:29	4°♌47'35	
desc. node	-4313 May 29 j 03:47	16°♌19'03	
	-4313 Jun 24 j 00:17	0°♍	
	-4313 Aug 08 j 17:24	0°♎	
	-4313 Sep 18 j 22:59	0°♏	
	-4313 Oct 29 j 06:40	0°♐	
	-4313 Dec 09 j 04:28	0°♑	
	-4312 Jan 20 j 12:18	0°♒	
	-4312 Mar 04 j 13:49	0°♓	
evening set	-4312 Mar 18 j 14:27	9°♓18'51	
asc. node	-4312 Apr 12 j 02:01	25°♓21'23	
	-4312 Apr 19 j 05:44	0°♈	
conjunction	-4312 May 07 j 13:39	11°♈49'38	0°14'22
minimum elong	-4312 May 07 j 13:06	11°♈48'44	0°14'23
behind sun begin	-4312 May 07 j 04:49	11°♈35'26	
behind sun end	-4312 May 07 j 21:22	12°♈02'01	
max. Earth dist.	-4312 May 15 j 14:16	16°♈58'38	2.65827 AU
	-4312 Jun 04 j 23:07	0°♉	
morning rise	-4312 Jun 23 j 12:54	11°♉49'56	
	-4312 Jul 22 j 02:21	0°♊	
	-4312 Sep 07 j 05:15	0°♋	
	-4312 Oct 24 j 10:05	0°♌	
	-4312 Dec 11 j 13:52	0°♍	
	-4311 Feb 01 j 17:48	0°♎	
retrograde	-4311 Apr 13 j 23:26	23°♎16'31	
desc. node	-4311 Apr 15 j 04:07	23°♎15'58	
opposition	-4311 May 14 j 12:38	18°♎12'52	-2°11'13
greatest brilliancy	-4311 May 14 j 15:22	18°♎11'01	-2.9m
min. Earth dist.	-4311 May 16 j 17:26	17°♎37'14	0.38109 AU
direct	-4311 Jun 14 j 11:57	12°♎54'36	
	-4311 Aug 09 j 15:19	0°♏	
	-4311 Sep 29 j 02:59	0°♐	
	-4311 Nov 13 j 16:13	0°♑	
	-4311 Dec 28 j 19:41	0°♒	
	-4310 Feb 12 j 17:00	0°♓	
asc. node	-4310 Feb 27 j 23:11	9°♓50'20	
	-4310 Mar 31 j 11:38	0°♈	
evening set	-4310 Apr 28 j 17:36	17°♈57'25	
	-4310 May 17 j 16:34	0°♉	
max. Earth dist.	-4310 Jun 08 j 04:41	13°♉41'55	2.66826 AU
conjunction	-4310 Jun 14 j 20:00	17°♉56'29	0°53'06
minimum elong	-4310 Jun 14 j 18:43	17°♉54'26	0°53'14
	-4310 Jul 03 j 14:47	0°♊	
morning rise	-4310 Jul 30 j 02:57	17°♊11'15	
	-4310 Aug 18 j 15:29	0°♋	
	-4310 Oct 02 j 11:39	0°♌	
	-4310 Nov 15 j 04:45	0°♍	
	-4310 Dec 28 j 01:45	0°♎	
	-4309 Feb 08 j 18:13	0°♏	
desc. node	-4309 Mar 03 j 05:56	15°♏32'29	
	-4309 Mar 24 j 21:28	0°♐	
	-4309 May 16 j 20:37	0°♑	
retrograde	-4309 Jun 25 j 08:41	9°♑40'21	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

min. Earth dist.	-4309 Jul 22 j 13:14	4°♉46'07	0.43393 AU	
greatest brilliancy	-4309 Jul 28 j 19:04	2°♉43'48	-2.5m	
opposition	-4309 Jul 30 j 09:56	2°♉11'52	-6°19'13	
	-4309 Aug 06 j 10:07	30℞♐		
direct	-4309 Aug 31 j 00:29	26°♐04'15		
	-4309 Sep 25 j 19:14	0°♉		
	-4309 Nov 30 j 16:00	0°♒		
asc. node	-4308 Jan 15 j 21:34	26°♒48'13		
	-4308 Jan 21 j 05:45	0°♓		
	-4308 Mar 10 j 15:14	0°♈		
	-4308 Apr 28 j 01:42	0°♉		
evening set	-4308 Jun 05 j 03:42	24°♉05'23		
	-4308 Jun 14 j 08:30	0°♊		
max. Earth dist.	-4308 Jul 02 j 04:43	11°♊34'35	2.62453 AU	
conjunction	-4308 Jul 21 j 23:46	24°♊37'26	1°11'01	
minimum elong	-4308 Jul 21 j 23:31	24°♊37'01	1°11'13	
	-4308 Jul 30 j 01:08	0°♋		
morning rise	-4308 Sep 06 j 17:55	26°♋24'13		
	-4308 Sep 11 j 21:47	0°♌		
	-4308 Oct 24 j 00:41	0°♍		
	-4308 Dec 03 j 17:49	0°♎		
	-4307 Jan 12 j 14:20	0°♏		
desc. node	-4307 Jan 18 j 06:25	4°♏17'20		
	-4307 Feb 21 j 09:05	0°♐		
	-4307 Apr 03 j 07:30	0°♑		
	-4307 May 17 j 20:26	0°♒		
	-4307 Jul 17 j 05:23	0°♓		
retrograde	-4307 Aug 12 j 05:01	4°♓16'29		
	-4307 Sep 05 j 17:23	30℞♒		
min. Earth dist.	-4307 Sep 13 j 13:15	27°♒11'24	0.55782 AU	
greatest brilliancy	-4307 Sep 19 j 10:09	24°♒54'50	-1.9m	
opposition	-4307 Sep 20 j 02:04	24°♒39'21	-3°05'37	
direct	-4307 Oct 26 j 00:27	16°♒32'05		
asc. node	-4307 Dec 02 j 21:15	24°♒03'44		
	-4307 Dec 18 j 02:48	0°♓		
	-4306 Feb 15 j 14:07	0°♈		
	-4306 Apr 08 j 04:16	0°♉		
	-4306 May 26 j 15:19	0°♊		
	-4306 Jul 11 j 13:18	0°♋		
evening set	-4306 Jul 15 j 07:04	2°♋31'03		
max. Earth dist.	-4306 Aug 01 j 06:01	14°♋04'30	2.53143 AU	
	-4306 Aug 24 j 01:17	0°♌		
conjunction	-4306 Sep 03 j 00:30	7°♌05'53	0°56'06	
minimum elong	-4306 Sep 03 j 02:14	7°♌08'59	0°56'15	
	-4306 Oct 04 j 10:24	0°♍		
morning rise	-4306 Oct 26 j 02:18	16°♍13'20		
	-4306 Nov 13 j 04:48	0°♎		
desc. node	-4306 Dec 06 j 03:49	17°♎41'06		
	-4306 Dec 22 j 00:51	0°♏		
	-4305 Jan 29 j 17:44	0°♐		
	-4305 Mar 10 j 05:18	0°♑		
	-4305 Apr 20 j 14:16	0°♒		
	-4305 Jun 04 j 13:37	0°♓		
	-4305 Jul 28 j 16:26	0°♈		
retrograde	-4305 Sep 19 j 03:08	13°♈59'57		
asc. node	-4305 Oct 20 j 22:35	7°♈17'47		
min. Earth dist.	-4305 Oct 26 j 03:22	5°♈15'08	0.64435 AU	
opposition	-4305 Oct 29 j 02:48	4°♈03'15	0°19'11	
greatest brilliancy	-4305 Oct 29 j 01:51	4°♈04'13	-1.5m	
	-4305 Nov 08 j 16:27	30℞♓		
direct	-4305 Dec 07 j 01:37	24°♓46'45		
	-4304 Jan 07 j 12:36	0°♈		
	-4304 Mar 14 j 16:14	0°♉		
	-4304 May 05 j 11:25	0°♊		
	-4304 Jun 21 j 10:43	0°♋		
	-4304 Aug 04 j 02:34	0°♌		
evening set	-4304 Aug 30 j 14:08	19°♌08'31		
	-4304 Sep 14 j 05:22	0°♍		
max. Earth dist.	-4304 Sep 21 j 08:56	5°♍22'20	2.40906 AU	
desc. node	-4304 Oct 23 j 00:34	29°♍35'48		
	-4304 Oct 23 j 13:03	0°♎		
conjunction	-4304 Oct 27 j 01:49	2°♎44'29	-0°02'58	
minimum elong	-4304 Oct 27 j 01:33	2°♎43'59	0°02'57	
behind sun begin	-4304 Oct 25 j 23:54	1°♎54'11		
behind sun end	-4304 Oct 28 j 03:13	3°♎33'49		
	-4304 Nov 30 j 21:46	0°♏		
morning rise	-4304 Dec 31 j 05:52	23°♏48'07		
	-4303 Jan 08 j 04:36	0°♐		
	-4303 Feb 16 j 06:28	0°♑		
	-4303 Mar 28 j 23:37	0°♒		
	-4303 May 11 j 03:48	0°♓		
	-4303 Jun 26 j 23:18	0°♈		
	-4303 Aug 20 j 09:13	0°♉		
asc. node	-4303 Sep 06 j 23:54	7°♉46'05		
retrograde	-4303 Oct 22 j 21:10	18°♉19'01		
opposition	-4303 Dec 01 j 15:01	8°♉44'35	2°57'47	
greatest brilliancy	-4303 Dec 01 j 15:26	8°♉44'10	-1.3m	
min. Earth dist.	-4303 Dec 02 j 09:42	8°♉25'54	0.67138 AU	
	-4303 Dec 29 j 03:04	30℞♈		
direct	-4302 Jan 11 j 08:49	28°♈51'40		
	-4302 Jan 25 j 08:01	0°♉		
	-4302 Apr 11 j 02:30	0°♊		
	-4302 May 31 j 13:11	0°♋		
	-4302 Jul 15 j 05:57	0°♌		
	-4302 Aug 25 j 14:32	0°♍		
desc. node	-4302 Sep 09 j 22:08	11°♍33'35		
	-4302 Oct 03 j 20:57	0°♎		
evening set	-4302 Oct 30 j 23:52	21°♎14'22		
	-4302 Nov 11 j 02:44	0°♏		
	-4302 Dec 19 j 07:36	0°♐		
conjunction	-4301 Jan 04 j 12:29	12°♐33'43	-1°04'30	
minimum elong	-4301 Jan 04 j 10:32	12°♐29'59	1°04'41	
	-4301 Jan 27 j 09:06	0°♑		
max. Earth dist.	-4301 Feb 22 j 17:14	19°♑35'16	2.42912 AU	
	-4301 Mar 09 j 01:23	0°♒		
morning rise	-4301 Mar 10 j 18:22	1°♒13'39		
	-4301 Apr 20 j 21:21	0°♓		
	-4301 Jun 05 j 05:49	0°♈		
	-4301 Jul 23 j 17:16	0°♉		
asc. node	-4301 Jul 25 j 23:31	1°♉20'18		
	-4301 Sep 16 j 04:45	0°♊		
retrograde	-4301 Nov 28 j 12:03	22°♊30'54		
opposition	-4300 Jan 05 j 22:04	13°♊42'19	4°44'33	
greatest brilliancy	-4300 Jan 06 j 14:13	13°♊26'37	-1.5m	
min. Earth dist.	-4300 Jan 10 j 12:05	11°♊55'19	0.63464 AU	
direct	-4300 Feb 16 j 01:33	3°♊43'07		
	-4300 May 03 j 21:05	0°♋		
	-4300 Jun 21 j 18:40	0°♌		
desc. node	-4300 Jul 27 j 20:06	25°♌10'14		
	-4300 Aug 03 j 11:06	0°♍		
	-4300 Sep 12 j 06:21	0°♎		
	-4300 Oct 20 j 19:30	0°♏		
	-4300 Nov 28 j 07:11	0°♐		
evening set	-4299 Jan 05 j 23:05	29°♐27'37		
	-4299 Jan 06 j 16:24	0°♑		
	-4299 Feb 16 j 16:30	0°♒		
conjunction	-4299 Mar 06 j 12:25	12°♒36'42	-0°51'17	
minimum elong	-4299 Mar 06 j 14:32	12°♒40'25	0°51'26	
	-4299 Mar 31 j 17:05	0°♓		

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

max. Earth dist.	-4299 Apr 08 j 07:13	5°♓08'42	2.55512 AU
morning rise	-4299 Apr 30 j 10:51	19°♓55'58	
	-4299 May 15 j 19:22	0°♈	
asc. node	-4299 Jun 11 j 21:52	17°♈26'35	
	-4299 Jul 01 j 19:20	0°♉	
	-4299 Aug 19 j 19:32	0°♊	
	-4299 Oct 11 j 12:29	0°♋	
	-4299 Dec 24 j 10:09	0°♌	
retrograde	-4298 Jan 10 j 22:42	1°♌44'36	
	-4298 Jan 27 j 10:53	30°℞♋	
opposition	-4298 Feb 15 j 16:08	24°♋12'18	5°03'01
greatest brilliancy	-4298 Feb 17 j 02:12	23°♋41'26	-1.9m
min. Earth dist.	-4298 Feb 23 j 13:34	21°♋21'09	0.53679 AU
direct	-4298 Mar 27 j 01:44	15°♋01'39	
	-4298 May 18 j 22:58	0°♌	
desc. node	-4298 Jun 14 j 19:50	14°♌50'56	
	-4298 Jul 08 j 11:21	0°♍	
	-4298 Aug 19 j 18:14	0°♎	
	-4298 Sep 28 j 14:44	0°♏	
	-4298 Nov 07 j 01:48	0°♐	
	-4298 Dec 17 j 07:50	0°♑	
	-4297 Jan 28 j 02:48	0°♒	
evening set	-4297 Mar 01 j 17:53	22°♒32'35	
	-4297 Mar 12 j 18:29	0°♓	
conjunction	-4297 Apr 22 j 16:05	27°♓04'14	-0°04'07
minimum elong	-4297 Apr 22 j 16:16	27°♓04'32	0°04'07
behind sun begin	-4297 Apr 21 j 20:04	26°♓31'38	
behind sun end	-4297 Apr 23 j 12:28	27°♓37'26	
	-4297 Apr 27 j 04:05	0°♈	
asc. node	-4297 Apr 29 j 18:29	1°♈41'20	
max. Earth dist.	-4297 May 06 j 22:19	6°♈19'44	2.63970 AU
morning rise	-4297 Jun 10 j 02:41	28°♈15'34	
	-4297 Jun 12 j 20:15	0°♉	
	-4297 Jul 30 j 06:03	0°♊	
	-4297 Sep 16 j 04:28	0°♋	
	-4297 Nov 04 j 06:31	0°♌	
	-4297 Dec 27 j 07:52	0°♍	
retrograde	-4296 Mar 13 j 18:03	25°♍24'53	
opposition	-4296 Apr 14 j 07:28	19°♍51'08	1°13'13
greatest brilliancy	-4296 Apr 14 j 16:40	19°♍44'22	-2.7m
min. Earth dist.	-4296 Apr 20 j 22:03	17°♍55'01	0.41052 AU
desc. node	-4296 May 01 j 21:54	15°♍07'41	
direct	-4296 May 18 j 01:22	13°♍24'03	
	-4296 Jul 11 j 10:11	0°♎	
	-4296 Aug 29 j 11:01	0°♏	
	-4296 Oct 11 j 22:09	0°♐	
	-4296 Nov 23 j 17:42	0°♑	
	-4295 Jan 06 j 08:48	0°♒	
	-4295 Feb 20 j 08:05	0°♓	
asc. node	-4295 Mar 16 j 14:18	15°♓49'38	
	-4295 Apr 07 j 13:35	0°♈	
evening set	-4295 Apr 13 j 08:49	3°♈43'22	
	-4295 May 24 j 12:19	0°♉	
max. Earth dist.	-4295 May 30 j 02:59	3°♉34'34	2.67084 AU
conjunction	-4295 May 31 j 06:10	4°♉17'52	0°40'02
minimum elong	-4295 May 31 j 04:57	4°♉15'56	0°40'07
	-4295 Jul 10 j 10:56	0°♊	
morning rise	-4295 Jul 15 j 20:17	3°♊27'54	
	-4295 Aug 25 j 19:11	0°♋	
	-4295 Oct 10 j 07:49	0°♌	
	-4295 Nov 24 j 04:39	0°♍	
	-4294 Jan 07 j 21:29	0°♎	
	-4294 Feb 22 j 18:06	0°♏	
desc. node	-4294 Mar 19 j 22:59	15°♏20'10	
	-4294 Apr 16 j 20:48	0°♐	
retrograde	-4294 May 31 j 10:19	11°♐36'41	
min. Earth dist.	-4294 Jun 27 j 08:09	7°♐08'55	0.39389 AU
opposition	-4294 Jul 02 j 21:31	5°♐32'21	-6°12'29
greatest brilliancy	-4294 Jul 01 j 16:35	5°♐53'26	-2.8m
direct	-4294 Aug 02 j 02:48	0°♐14'45	
	-4294 Oct 23 j 06:02	0°♑	
	-4294 Dec 12 j 20:42	0°♒	
	-4293 Jan 30 j 05:23	0°♓	
asc. node	-4293 Feb 01 j 12:36	1°♓26'07	
	-4293 Mar 19 j 06:46	0°♈	
	-4293 May 06 j 02:43	0°♉	
evening set	-4293 May 22 j 06:50	10°♉13'45	
	-4293 Jun 22 j 04:44	0°♊	
max. Earth dist.	-4293 Jun 23 j 04:16	0°♊37'58	2.64787 AU
conjunction	-4293 Jul 07 j 21:52	10°♊11'21	1°07'14
minimum elong	-4293 Jul 07 j 21:02	10°♊10'00	1°07'24
	-4293 Aug 06 j 23:11	0°♋	
morning rise	-4293 Aug 22 j 15:34	10°♋31'35	
	-4293 Sep 20 j 03:07	0°♌	
	-4293 Nov 01 j 17:41	0°♍	
	-4293 Dec 13 j 01:51	0°♎	
	-4292 Jan 22 j 15:51	0°♏	
desc. node	-4292 Feb 04 j 22:56	9°♏51'05	
	-4292 Mar 03 j 08:34	0°♐	
	-4292 Apr 14 j 20:33	0°♑	
	-4292 Jun 03 j 09:50	0°♒	
retrograde	-4292 Jul 26 j 02:28	15°♒39'24	
min. Earth dist.	-4292 Aug 25 j 06:46	9°♒24'46	0.51089 AU
opposition	-4292 Sep 01 j 22:00	6°♒34'39	-4°32'29
greatest brilliancy	-4292 Aug 31 j 19:06	6°♒59'44	-2.1m
	-4292 Sep 24 j 22:44	30°℞♑	
direct	-4292 Oct 06 j 07:33	29°♑07'42	
	-4292 Oct 18 j 02:15	0°♒	
asc. node	-4292 Dec 19 j 12:46	22°♒47'26	
	-4291 Jan 02 j 12:48	0°♓	
	-4291 Feb 24 j 21:46	0°♈	
	-4291 Apr 15 j 20:55	0°♉	
	-4291 Jun 02 j 18:05	0°♊	
evening set	-4291 Jun 29 j 04:17	17°♊08'31	
	-4291 Jul 18 j 12:46	0°♋	
max. Earth dist.	-4291 Jul 19 j 11:46	0°♋38'36	2.57325 AU
conjunction	-4291 Aug 16 j 07:36	19°♋38'16	1°06'43
minimum elong	-4291 Aug 16 j 08:36	19°♋40'01	1°06'55
	-4291 Aug 31 j 03:18	0°♌	
morning rise	-4291 Oct 05 j 03:39	25°♌09'14	
	-4291 Oct 11 j 18:10	0°♍	
	-4291 Nov 20 j 19:51	0°♎	
desc. node	-4291 Dec 22 j 22:05	24°♎34'14	
	-4291 Dec 29 j 23:13	0°♏	
	-4290 Feb 06 j 23:07	0°♐	
	-4290 Mar 18 j 18:52	0°♑	
	-4290 Apr 29 j 19:08	0°♒	
	-4290 Jun 15 j 17:34	0°♓	
retrograde	-4290 Sep 05 j 02:02	29°♓43'53	
min. Earth dist.	-4290 Oct 10 j 10:20	21°♓33'15	0.61717 AU
opposition	-4290 Oct 14 j 20:09	19°♓47'24	-0°55'12
greatest brilliancy	-4290 Oct 14 j 16:57	19°♓50'36	-1.6m
asc. node	-4290 Nov 06 j 13:34	12°♓25'18	
direct	-4290 Nov 21 j 18:02	10°♓53'13	
	-4289 Jan 27 j 07:14	0°♈	
	-4289 Mar 25 j 06:23	0°♉	
	-4289 May 14 j 07:48	0°♊	
	-4289 Jun 29 j 18:18	0°♋	
evening set	-4289 Aug 11 j 20:57	29°♋41'11	
	-4289 Aug 12 j 07:33	0°♌	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

max. Earth dist.	-4289 Aug 27 j 14:47	10°♌57'57	2.45723 AU
	-4289 Sep 22 j 12:07	0°♍	
conjunction	-4289 Oct 04 j 15:32	9°♍07'00	0°25'03
minimum elong	-4289 Oct 04 j 17:05	9°♍09'54	0°25'07
	-4289 Oct 31 j 23:20	0°♎	
desc. node	-4289 Nov 09 j 18:58	6°♎49'40	
morning rise	-4289 Dec 03 j 22:01	25°♎38'37	
	-4289 Dec 09 j 11:33	0°♏	
	-4288 Jan 16 j 21:06	0°♐	
	-4288 Feb 25 j 01:01	0°♑	
	-4288 Apr 05 j 21:03	0°♒	
	-4288 May 19 j 10:24	0°♓	
	-4288 Jul 06 j 15:00	0°♈	
	-4288 Sep 08 j 03:39	0°♉	
asc. node	-4288 Sep 23 j 14:32	3°♉54'40	
retrograde	-4288 Oct 09 j 10:18	5°♉24'45	
	-4288 Nov 07 j 02:44	30°℞♈	
opposition	-4288 Nov 18 j 09:34	25°♈38'25	2°02'00
greatest brilliancy	-4288 Nov 18 j 07:15	25°♈40'44	-1.4m
min. Earth dist.	-4288 Nov 17 j 16:40	25°♈55'24	0.66833 AU
direct	-4288 Dec 28 j 14:06	15°♈56'29	
	-4287 Feb 21 j 23:37	0°♉	
	-4287 Apr 21 j 04:54	0°♊	
	-4287 Jun 08 j 18:37	0°♋	
	-4287 Jul 22 j 22:22	0°♌	
	-4287 Sep 02 j 03:15	0°♍	
desc. node	-4287 Sep 26 j 15:38	18°♍36'35	
evening set	-4287 Oct 05 j 04:11	25°♍10'54	
	-4287 Oct 11 j 09:16	0°♎	
	-4287 Nov 18 j 15:19	0°♏	
conjunction	-4287 Dec 07 j 18:31	15°♏03'56	-0°47'30
minimum elong	-4287 Dec 07 j 15:14	14°♏57'28	0°47'37
	-4287 Dec 26 j 20:04	0°♐	
max. Earth dist.	-4286 Jan 10 j 01:04	11°♐01'51	2.38393 AU
	-4286 Feb 03 j 20:42	0°♑	
morning rise	-4286 Feb 13 j 14:10	7°♑18'47	
	-4286 Mar 16 j 11:46	0°♒	
	-4286 Apr 28 j 08:26	0°♓	
	-4286 Jun 13 j 00:30	0°♈	
	-4286 Aug 01 j 18:40	0°♉	
asc. node	-4286 Aug 11 j 15:16	5°♉30'04	
	-4286 Oct 02 j 02:00	0°♊	
retrograde	-4286 Nov 13 j 17:11	9°♊05'57	
opposition	-4286 Dec 22 j 18:52	29°♉56'26	4°10'12
	-4286 Dec 22 j 15:15	30°℞♉	
greatest brilliancy	-4286 Dec 23 j 03:41	29°♉47'45	-1.4m
min. Earth dist.	-4286 Dec 25 j 21:09	28°♉43'08	0.65686 AU
direct	-4285 Feb 01 j 23:08	19°♉55'13	
	-4285 Mar 18 j 18:22	0°♊	
	-4285 May 16 j 08:11	0°♋	
	-4285 Jul 01 j 20:12	0°♌	
	-4285 Aug 12 j 19:13	0°♍	
desc. node	-4285 Aug 14 j 14:35	1°♍20'26	
	-4285 Sep 21 j 07:09	0°♎	
	-4285 Oct 29 j 15:42	0°♏	
	-4285 Dec 06 j 23:11	0°♐	
evening set	-4285 Dec 12 j 10:11	4°♐13'58	
	-4284 Jan 15 j 03:59	0°♑	
conjunction	-4284 Feb 13 j 11:38	21°♑41'28	-1°03'55
minimum elong	-4284 Feb 13 j 13:18	21°♑44'31	1°04'06
	-4284 Feb 24 j 23:33	0°♒	
max. Earth dist.	-4284 Mar 25 j 07:15	20°♒40'39	2.50919 AU
	-4284 Apr 07 j 20:46	0°♓	
morning rise	-4284 Apr 12 j 05:06	2°♓57'30	
	-4284 May 22 j 22:59	0°♈	
asc. node	-4284 Jun 28 j 13:31	23°♈19'18	
	-4284 Jul 09 j 07:29	0°♉	
	-4284 Aug 28 j 14:14	0°♊	
	-4284 Oct 25 j 09:13	0°♋	
retrograde	-4284 Dec 23 j 04:30	15°♋36'33	
opposition	-4283 Jan 29 j 03:41	7°♋29'25	5°11'40
greatest brilliancy	-4283 Jan 30 j 08:00	7°♋02'46	-1.7m
min. Earth dist.	-4283 Feb 04 j 21:37	4°♋57'18	0.58195 AU
	-4283 Feb 20 j 14:59	30°℞♊	
direct	-4283 Mar 10 j 13:59	27°♊49'38	
	-4283 Mar 29 j 09:22	0°♋	
	-4283 Jun 04 j 01:55	0°♌	
desc. node	-4283 Jul 01 j 13:56	17°♌36'58	
	-4283 Jul 19 j 12:04	0°♍	
	-4283 Aug 29 j 08:28	0°♎	
	-4283 Oct 07 j 11:28	0°♏	
	-4283 Nov 15 j 09:47	0°♐	
	-4283 Dec 25 j 04:50	0°♑	
	-4282 Feb 04 j 13:57	0°♒	
evening set	-4282 Feb 10 j 03:24	3°♒55'43	
	-4282 Mar 19 j 21:46	0°♓	
conjunction	-4282 Apr 05 j 15:04	11°♓14'02	-0°23'11
minimum elong	-4282 Apr 05 j 16:09	11°♓15'50	0°23'15
max. Earth dist.	-4282 Apr 26 j 15:27	25°♓07'16	2.61265 AU
	-4282 May 04 j 02:38	0°♈	
asc. node	-4282 May 16 j 10:17	7°♈59'35	
morning rise	-4282 May 26 j 02:39	14°♈14'00	
	-4282 Jun 19 j 19:35	0°♉	
	-4282 Aug 06 j 15:27	0°♊	
	-4282 Sep 24 j 18:25	0°♋	
	-4282 Nov 16 j 02:15	0°♌	
	-4281 Jan 27 j 07:38	0°♍	
retrograde	-4281 Feb 15 j 02:52	2°♍02'30	
	-4281 Mar 05 j 06:25	30°℞♌	
opposition	-4281 Mar 20 j 12:17	25°♌39'09	3°31'25
greatest brilliancy	-4281 Mar 21 j 16:45	25°♌15'54	-2.4m
min. Earth dist.	-4281 Mar 28 j 20:34	22°♌56'52	0.45765 AU
direct	-4281 Apr 25 j 23:45	17°♌53'35	
desc. node	-4281 May 19 j 13:43	21°♌28'22	
	-4281 Jun 10 j 15:11	0°♍	
	-4281 Jul 31 j 15:02	0°♎	
	-4281 Sep 12 j 07:38	0°♏	
	-4281 Oct 23 j 09:14	0°♐	
	-4281 Dec 03 j 19:00	0°♑	
	-4280 Jan 15 j 11:06	0°♒	
	-4280 Feb 28 j 18:30	0°♓	
evening set	-4280 Mar 28 j 05:48	18°♓44'38	
asc. node	-4280 Apr 02 j 07:21	22°♓02'36	
	-4280 Apr 14 j 13:49	0°♈	
conjunction	-4280 May 16 j 08:36	20°♈25'35	0°24'23
minimum elong	-4280 May 16 j 07:43	20°♈24'10	0°24'27
max. Earth dist.	-4280 May 21 j 02:10	23°♈27'05	2.66496 AU
	-4280 May 31 j 08:16	0°♉	
morning rise	-4280 Jul 01 j 17:03	20°♉00'02	
	-4280 Jul 17 j 09:09	0°♊	
	-4280 Sep 02 j 04:15	0°♋	
	-4280 Oct 18 j 16:03	0°♌	
	-4280 Dec 04 j 07:31	0°♍	
	-4279 Jan 21 j 11:25	0°♎	
	-4279 Mar 18 j 13:44	0°♏	
desc. node	-4279 Apr 05 j 15:14	6°♏39'10	
retrograde	-4279 May 01 j 23:53	10°♏50'02	
opposition	-4279 Jun 01 j 14:25	5°♏42'20	-4°06'36
greatest brilliancy	-4279 Jun 01 j 08:57	5°♏45'58	-2.9m

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

min. Earth dist.	-4279 May 31 j 17:36	5°♏56'10	0.37696 AU
direct	-4279 Jul 01 j 13:48	0°♏41'41	
	-4279 Sep 18 j 22:02	0°♐	
	-4279 Nov 06 j 12:25	0°♑	
	-4279 Dec 22 j 22:39	0°♒	
	-4278 Feb 07 j 12:14	0°♓	
asc. node	-4278 Feb 18 j 04:42	6°♓49'55	
	-4278 Mar 26 j 15:42	0°♈	
evening set	-4278 May 07 j 09:11	26°♈24'34	
	-4278 May 13 j 01:06	0°♉	
max. Earth dist.	-4278 Jun 13 j 15:06	20°♉07'04	2.66316 AU
conjunction	-4278 Jun 23 j 05:16	26°♉16'13	0°59'19
minimum elong	-4278 Jun 23 j 04:05	26°♉14'18	0°59'28
	-4278 Jun 29 j 00:18	0°♊	
morning rise	-4278 Aug 07 j 12:47	25°♊45'57	
	-4278 Aug 13 j 22:28	0°♋	
	-4278 Sep 27 j 12:30	0°♌	
	-4278 Nov 09 j 18:58	0°♍	
	-4278 Dec 22 j 00:38	0°♎	
	-4277 Feb 01 j 18:04	0°♏	
desc. node	-4277 Feb 21 j 16:17	14°♏14'39	
	-4277 Mar 16 j 03:11	0°♐	
	-4277 May 01 j 11:48	0°♑	
retrograde	-4277 Jul 07 j 17:16	24°♑00'12	
min. Earth dist.	-4277 Aug 04 j 18:20	18°♑39'44	0.46062 AU
greatest brilliancy	-4277 Aug 11 j 09:27	16°♑22'44	-2.4m
opposition	-4277 Aug 12 j 22:05	15°♑50'58	-5°49'53
direct	-4277 Sep 14 j 13:42	9°♑13'30	
	-4277 Nov 20 j 22:47	0°♒	
asc. node	-4276 Jan 06 j 03:40	24°♒58'27	
	-4276 Jan 14 j 20:56	0°♓	
	-4276 Mar 05 j 08:10	0°♈	
	-4276 Apr 23 j 05:49	0°♉	
	-4276 Jun 09 j 17:23	0°♊	
evening set	-4276 Jun 13 j 18:43	2°♊36'44	
max. Earth dist.	-4276 Jul 08 j 06:11	18°♊34'24	2.60813 AU
	-4276 Jul 25 j 10:41	0°♋	
conjunction	-4276 Jul 30 j 22:43	3°♋41'49	1°11'02
minimum elong	-4276 Jul 30 j 22:54	3°♋42'08	1°11'13
	-4276 Sep 07 j 05:14	0°♌	
morning rise	-4276 Sep 16 j 13:52	6°♌35'29	
	-4276 Oct 19 j 03:37	0°♍	
	-4276 Nov 28 j 14:53	0°♎	
	-4275 Jan 07 j 04:28	0°♏	
desc. node	-4275 Jan 08 j 14:54	1°♏05'39	
	-4275 Feb 15 j 15:02	0°♐	
	-4275 Mar 28 j 00:50	0°♑	
	-4275 May 10 j 06:17	0°♒	
	-4275 Jun 30 j 23:11	0°♓	
retrograde	-4275 Aug 21 j 05:38	14°♓15'27	
min. Earth dist.	-4275 Sep 23 j 16:56	6°♓45'00	0.58112 AU
opposition	-4275 Sep 29 j 12:02	4°♓28'01	-2°16'29
greatest brilliancy	-4275 Sep 29 j 01:33	4°♓38'22	-1.8m
	-4275 Oct 11 j 18:59	30°♓℞	
direct	-4275 Nov 05 j 04:14	26°♒02'11	
asc. node	-4275 Nov 23 j 04:06	27°♒55'56	
	-4275 Dec 01 j 21:12	0°♓	
	-4274 Feb 08 j 19:35	0°♈	
	-4274 Apr 02 j 20:09	0°♉	
	-4274 May 21 j 19:24	0°♊	
	-4274 Jul 06 j 21:51	0°♋	
evening set	-4274 Jul 24 j 21:23	12°♋11'16	
max. Earth dist.	-4274 Aug 09 j 15:14	23°♋05'33	2.50599 AU
	-4274 Aug 19 j 10:42	0°♌	

conjunction	-4274 Sep 13 j 19:59	18°♌15'46	0°46'52
minimum elong	-4274 Sep 13 j 21:55	18°♌19'17	0°47'00
	-4274 Sep 29 j 18:19	0°♍	
morning rise	-4274 Nov 08 j 05:35	29°♍51'22	
	-4274 Nov 08 j 10:05	0°♎	
desc. node	-4274 Nov 26 j 13:26	14°♎00'28	
	-4274 Dec 17 j 02:51	0°♏	
	-4273 Jan 24 j 16:17	0°♐	
	-4273 Mar 04 j 23:58	0°♑	
	-4273 Apr 15 j 02:04	0°♒	
	-4273 May 29 j 08:08	0°♓	
	-4273 Jul 19 j 05:21	0°♈	
retrograde	-4273 Sep 26 j 23:55	22°♈14'50	
asc. node	-4273 Oct 11 j 04:59	20°♈51'49	
min. Earth dist.	-4273 Nov 03 j 20:16	13°♈13'05	0.65566 AU
opposition	-4273 Nov 06 j 00:28	12°♈20'28	0°59'06
greatest brilliancy	-4273 Nov 05 j 22:04	12°♈22'53	-1.4m
direct	-4273 Dec 15 j 11:04	2°♈53'44	
	-4272 Mar 07 j 14:12	0°♉	
	-4272 Apr 30 j 01:17	0°♊	
	-4272 Jun 16 j 12:50	0°♋	
	-4272 Jul 30 j 09:14	0°♌	
	-4272 Sep 09 j 13:09	0°♍	
evening set	-4272 Sep 11 j 16:22	1°♍35'54	
desc. node	-4272 Oct 13 j 10:48	25°♍48'50	
max. Earth dist.	-4272 Oct 14 j 17:09	26°♍47'30	2.38713 AU
	-4272 Oct 18 j 20:33	0°♎	
conjunction	-4272 Nov 10 j 10:55	17°♎38'42	-0°19'59
minimum elong	-4272 Nov 10 j 09:15	17°♎35'26	0°20'00
	-4272 Nov 26 j 04:09	0°♏	
	-4271 Jan 03 j 09:36	0°♐	
morning rise	-4271 Jan 16 j 14:03	10°♐14'16	
	-4271 Feb 11 j 10:04	0°♑	
	-4271 Mar 24 j 00:59	0°♒	
	-4271 May 06 j 00:20	0°♓	
	-4271 Jun 21 j 05:42	0°♈	
	-4271 Aug 12 j 05:46	0°♉	
asc. node	-4271 Aug 28 j 05:03	7°♉58'09	
retrograde	-4271 Oct 30 j 17:53	26°♉08'51	
opposition	-4271 Dec 09 j 06:55	16°♉42'16	3°26'48
greatest brilliancy	-4271 Dec 09 j 09:49	16°♉39'23	-1.3m
min. Earth dist.	-4271 Dec 10 j 21:14	16°♉04'04	0.66899 AU
direct	-4270 Jan 19 j 05:48	6°♉45'04	
	-4270 Apr 03 j 12:45	0°♊	
	-4270 May 25 j 21:29	0°♋	
	-4270 Jul 10 j 03:32	0°♌	
	-4270 Aug 20 j 16:55	0°♍	
desc. node	-4270 Aug 31 j 07:52	7°♍58'12	
	-4270 Sep 29 j 01:23	0°♎	
	-4270 Nov 06 j 08:00	0°♏	
evening set	-4270 Nov 15 j 05:46	7°♏00'56	
	-4270 Dec 14 j 13:21	0°♐	
conjunction	-4269 Jan 19 j 14:15	27°♐42'00	-1°07'51
minimum elong	-4269 Jan 19 j 13:52	27°♐41'16	1°08'03
	-4269 Jan 22 j 15:20	0°♑	
	-4269 Mar 04 j 07:40	0°♒	
max. Earth dist.	-4269 Mar 08 j 02:56	2°♒43'52	2.45787 AU
morning rise	-4269 Mar 23 j 15:13	13°♒44'17	
	-4269 Apr 16 j 02:40	0°♓	
	-4269 May 31 j 06:56	0°♈	
asc. node	-4269 Jul 16 j 05:03	28°♈47'11	
	-4269 Jul 18 j 05:08	0°♉	
	-4269 Sep 08 j 14:29	0°♊	
	-4269 Nov 24 j 20:41	0°♋	
retrograde	-4269 Dec 07 j 10:46	0°♋55'19	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-4269 Dec 19 j 11:00	30°℞♊		
opposition	-4268 Jan 14 j 09:38	22°♊19'58	4°58'46	
greatest brilliancy	-4268 Jan 15 j 06:13	22°♊00'08	-1.5m	
min. Earth dist.	-4268 Jan 19 j 18:39	20°♊15'40	0.61848 AU	
direct	-4268 Feb 24 j 09:10	12°♊24'51		
	-4268 Apr 24 j 20:41	0°♋		
	-4268 Jun 15 j 13:08	0°♌		
desc. node	-4268 Jul 18 j 06:23	22°♌19'16		
	-4268 Jul 28 j 22:57	0°♍		
	-4268 Sep 07 j 01:27	0°♎		
	-4268 Oct 15 j 18:26	0°♏		
	-4268 Nov 23 j 08:49	0°♐		
	-4267 Jan 01 j 20:30	0°♑		
evening set	-4267 Jan 19 j 08:53	12°♑57'19		
	-4267 Feb 11 j 22:41	0°♒		
conjunction	-4267 Mar 17 j 23:46	23°♒49'24	-0°41'43	
minimum elong	-4267 Mar 18 j 01:40	23°♒52'38	0°41'50	
	-4267 Mar 27 j 00:45	0°♓		
max. Earth dist.	-4267 Apr 15 j 09:33	13°♓02'38	2.57771 AU	
morning rise	-4267 May 10 j 03:27	29°♓22'01		
	-4267 May 11 j 02:44	0°♈		
asc. node	-4267 Jun 02 j 03:08	14°♈13'54		
	-4267 Jun 26 j 22:43	0°♉		
	-4267 Aug 14 j 09:44	0°♊		
	-4267 Oct 04 j 09:42	0°♋		
	-4267 Dec 02 j 23:54	0°♌		
retrograde	-4266 Jan 22 j 17:02	12°♌14'23		
opposition	-4266 Feb 26 j 16:21	5°♌04'14	4°42'55	
greatest brilliancy	-4266 Feb 28 j 03:02	4°♌33'39	-2.1m	
min. Earth dist.	-4266 Mar 06 j 23:40	2°♌09'33	0.50950 AU	
	-4266 Mar 13 j 17:29	30°℞♋		
direct	-4266 Apr 06 j 05:35	26°♋17'35		
	-4266 Apr 30 j 13:44	0°♌		
desc. node	-4266 Jun 05 j 06:40	15°♌14'55		
	-4266 Jun 30 j 08:37	0°♍		
	-4266 Aug 13 j 05:53	0°♎		
	-4266 Sep 22 j 18:40	0°♏		
	-4266 Nov 01 j 15:25	0°♐		
	-4266 Dec 12 j 04:39	0°♑		
	-4265 Jan 23 j 05:04	0°♒		
	-4265 Mar 08 j 00:49	0°♓		
evening set	-4265 Mar 12 j 02:52	2°♓44'08		
asc. node	-4265 Apr 19 j 23:11	28°♓19'56		
	-4265 Apr 22 j 12:46	0°♈		
conjunction	-4265 May 01 j 21:42	6°♈04'15	0°06'49	
minimum elong	-4265 May 01 j 21:25	6°♈03'48	0°06'49	
behind sun begin	-4265 May 01 j 02:50	5°♈33'48		
behind sun end	-4265 May 02 j 16:00	6°♈33'48		
max. Earth dist.	-4265 May 12 j 15:16	12°♈59'22	2.65102 AU	
	-4265 Jun 08 j 04:59	0°♉		
morning rise	-4265 Jun 18 j 11:06	6°♉31'58		
	-4265 Jul 25 j 10:31	0°♊		
	-4265 Sep 10 j 21:02	0°♋		
	-4265 Oct 28 j 18:58	0°♌		
	-4265 Dec 17 j 13:34	0°♍		
	-4264 Feb 13 j 18:30	0°♎		
retrograde	-4264 Mar 31 j 01:15	11°♎01'43		
desc. node	-4264 Apr 22 j 07:03	8°♎05'27		
opposition	-4264 Apr 30 j 21:00	5°♎49'04	-0°37'43	
greatest brilliancy	-4264 Apr 30 j 23:14	5°♎47'30	-2.9m	
min. Earth dist.	-4264 May 05 j 07:27	4°♎34'55	0.39121 AU	
direct	-4264 Jun 02 j 00:29	0°♎04'00		
	-4264 Aug 19 j 05:01	0°♏		
	-4264 Oct 04 j 12:27	0°♐		
	-4264 Nov 17 j 14:23	0°♑		
	-4264 Dec 31 j 22:46	0°♒		
	-4263 Feb 15 j 08:32	0°♓		
asc. node	-4263 Mar 06 j 20:26	12°♓39'20		
	-4263 Apr 02 j 20:09	0°♈		
evening set	-4263 Apr 22 j 05:42	12°♈22'51		
	-4263 May 19 j 21:59	0°♉		
max. Earth dist.	-4263 Jun 04 j 11:28	9°♉54'54	2.67044 AU	
conjunction	-4263 Jun 08 j 15:19	12°♉34'08	0°47'57	
minimum elong	-4263 Jun 08 j 14:02	12°♉32'05	0°48'05	
	-4263 Jul 05 j 20:26	0°♊		
morning rise	-4263 Jul 23 j 23:58	11°♊42'58		
	-4263 Aug 21 j 00:43	0°♋		
	-4263 Oct 05 j 04:17	0°♌		
	-4263 Nov 18 j 08:46	0°♍		
	-4263 Dec 31 j 22:42	0°♎		
	-4262 Feb 13 j 16:45	0°♏		
desc. node	-4262 Mar 10 j 08:46	16°♏22'37		
	-4262 Apr 01 j 02:24	0°♐		
retrograde	-4262 Jun 15 j 01:57	28°♐23'54		
min. Earth dist.	-4262 Jul 11 j 20:21	23°♐46'35	0.41411 AU	
greatest brilliancy	-4262 Jul 17 j 11:40	22°♐01'46	-2.6m	
opposition	-4262 Jul 19 j 00:44	21°♐32'54	-6°28'34	
direct	-4262 Aug 18 j 21:20	15°♐49'22		
	-4262 Oct 10 j 12:15	0°♑		
	-4262 Dec 05 j 13:16	0°♒		
asc. node	-4261 Jan 22 j 18:59	28°♒57'58		
	-4261 Jan 24 j 11:38	0°♓		
	-4261 Mar 14 j 05:29	0°♈		
	-4261 May 01 j 09:22	0°♉		
evening set	-4261 May 30 j 19:00	18°♉35'20		
	-4261 Jun 17 j 14:30	0°♊		
max. Earth dist.	-4261 Jun 28 j 21:59	7°♊19'05	2.63606 AU	
conjunction	-4261 Jul 16 j 11:20	18°♊47'55	1°09'57	
minimum elong	-4261 Jul 16 j 10:49	18°♊47'05	1°10'08	
	-4261 Aug 02 j 08:40	0°♋		
morning rise	-4261 Aug 31 j 16:20	19°♋50'31		
	-4261 Sep 15 j 09:30	0°♌		
	-4261 Oct 27 j 18:07	0°♍		
	-4261 Dec 07 j 18:08	0°♎		
	-4260 Jan 16 j 21:52	0°♏		
desc. node	-4260 Jan 26 j 09:51	7°♏07'55		
	-4260 Feb 26 j 00:30	0°♐		
	-4260 Apr 07 j 10:55	0°♑		
	-4260 May 23 j 07:58	0°♒		
retrograde	-4260 Aug 05 j 03:09	27°♒01'30		
min. Earth dist.	-4260 Sep 05 j 12:42	20°♒17'49	0.53746 AU	
opposition	-4260 Sep 12 j 13:57	17°♒36'10	-3°42'47	
greatest brilliancy	-4260 Sep 11 j 17:21	17°♒55'53	-2.0m	
direct	-4260 Oct 17 j 19:56	9°♒45'48		
asc. node	-4260 Dec 09 j 18:07	23°♒15'41		
	-4260 Dec 24 j 14:15	0°♓		
	-4259 Feb 18 j 22:03	0°♈		
	-4259 Apr 10 j 18:39	0°♉		
	-4259 May 29 j 00:17	0°♊		
evening set	-4259 Jul 08 j 06:41	26°♊14'05		
	-4259 Jul 13 j 21:50	0°♋		
max. Earth dist.	-4259 Jul 26 j 16:21	8°♋37'43	2.55101 AU	
conjunction	-4259 Aug 26 j 04:50	29°♋47'03	1°01'26	
minimum elong	-4259 Aug 26 j 06:17	29°♋49'36	1°01'36	
	-4259 Aug 26 j 12:11	0°♌		
	-4259 Oct 07 j 00:45	0°♍		
morning rise	-4259 Oct 16 j 16:22	7°♍09'29		
	-4259 Nov 15 j 23:02	0°♎		
desc. node	-4259 Dec 13 j 07:41	21°♎00'56		

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-4259 Dec 24 j 22:31	0°♏	
	-4258 Feb 01 j 17:59	0°♐	
	-4258 Mar 13 j 07:59	0°♑	
	-4258 Apr 23 j 20:56	0°♒	
	-4258 Jun 08 j 09:40	0°♓	
	-4258 Aug 05 j 03:46	0°♈	
retrograde	-4258 Sep 13 j 05:55	8°♈28'29	
	-4258 Oct 19 j 10:49	30°℞♓	
min. Earth dist.	-4258 Oct 19 j 12:16	29°♓58'33	0.63325 AU
opposition	-4258 Oct 23 j 03:31	28°♓30'51	-0°11'06
greatest brilliancy	-4258 Oct 23 j 03:04	28°♓31'18	-1.5m
asc. node	-4258 Oct 27 j 19:07	26°♓40'14	
direct	-4258 Nov 30 j 15:31	19°♓23'47	
	-4257 Jan 16 j 13:17	0°♈	
	-4257 Mar 19 j 03:13	0°♉	
	-4257 May 09 j 04:24	0°♊	
	-4257 Jun 24 j 23:19	0°♋	
	-4257 Aug 07 j 15:26	0°♌	
evening set	-4257 Aug 22 j 19:29	10°♌51'57	
max. Earth dist.	-4257 Sep 09 j 14:45	23°♌53'31	2.43000 AU
	-4257 Sep 17 j 19:57	0°♍	
conjunction	-4257 Oct 17 j 12:45	22°♍30'48	0°09'45
minimum elong	-4257 Oct 17 j 13:27	22°♍32'09	0°09'46
behind sun begin	-4257 Oct 16 j 17:02	21°♍52'59	
behind sun end	-4257 Oct 18 j 09:52	23°♍11'21	
	-4257 Oct 27 j 05:50	0°♎	
desc. node	-4257 Oct 31 j 04:21	3°♎02'59	
	-4257 Dec 04 j 16:17	0°♏	
morning rise	-4257 Dec 19 j 15:19	11°♏44'26	
	-4256 Jan 11 j 23:55	0°♐	
	-4256 Feb 20 j 01:53	0°♑	
	-4256 Mar 31 j 18:52	0°♒	
	-4256 May 14 j 00:38	0°♓	
	-4256 Jun 30 j 05:25	0°♈	
	-4256 Aug 25 j 22:00	0°♉	
asc. node	-4256 Sep 13 j 20:56	7°♉17'04	
retrograde	-4256 Oct 17 j 04:27	13°♉17'33	
opposition	-4256 Nov 26 j 00:42	3°♉37'17	2°35'22
greatest brilliancy	-4256 Nov 25 j 23:34	3°♉38'26	-1.3m
min. Earth dist.	-4256 Nov 26 j 03:01	3°♉34'58	0.67121 AU
	-4256 Dec 05 j 07:12	30°℞♈	
direct	-4255 Jan 05 j 12:50	23°♈48'53	
	-4255 Feb 09 j 02:27	0°♉	
	-4255 Apr 14 j 20:21	0°♊	
	-4255 Jun 03 j 11:51	0°♋	
	-4255 Jul 18 j 00:27	0°♌	
	-4255 Aug 28 j 08:29	0°♍	
desc. node	-4255 Sep 17 j 02:00	14°♍55'02	
	-4255 Oct 06 j 15:26	0°♎	
evening set	-4255 Oct 19 j 10:58	9°♎59'52	
	-4255 Nov 13 j 21:27	0°♏	
	-4255 Dec 22 j 01:44	0°♐	
conjunction	-4255 Dec 23 j 11:15	1°♐05'20	-0°58'46
minimum elong	-4255 Dec 23 j 08:23	0°♐59'45	0°58'55
	-4254 Jan 30 j 01:56	0°♑	
max. Earth dist.	-4254 Feb 08 j 17:00	7°♑14'21	2.40666 AU
morning rise	-4254 Feb 28 j 05:03	21°♑40'09	
	-4254 Mar 11 j 16:23	0°♒	
	-4254 Apr 23 j 10:58	0°♓	
	-4254 Jun 07 j 20:39	0°♈	
	-4254 Jul 26 j 17:25	0°♉	
asc. node	-4254 Aug 01 j 20:51	3°♉33'58	
	-4254 Sep 21 j 02:54	0°♊	
retrograde	-4254 Nov 22 j 02:42	17°♊10'05	
opposition	-4254 Dec 30 j 19:44	8°♊11'38	4°31'11
greatest brilliancy	-4254 Dec 31 j 08:29	7°♊59'08	-1.4m
min. Earth dist.	-4253 Jan 03 j 17:24	6°♊39'47	0.64578 AU
	-4253 Jan 24 j 08:58	30°℞♉	
direct	-4253 Feb 09 j 23:52	28°♉10'45	
	-4253 Feb 27 j 14:37	0°♊	
	-4253 May 09 j 09:15	0°♋	
	-4253 Jun 26 j 04:41	0°♌	
desc. node	-4253 Aug 04 j 24:00	28°♌05'44	
	-4253 Aug 07 j 14:12	0°♍	
	-4253 Sep 16 j 06:52	0°♎	
	-4253 Oct 24 j 18:06	0°♏	
	-4253 Dec 02 j 03:23	0°♐	
evening set	-4253 Dec 27 j 02:34	19°♐11'32	
	-4252 Jan 10 j 09:42	0°♑	
	-4252 Feb 20 j 06:30	0°♒	
conjunction	-4252 Feb 26 j 06:58	4°♒18'05	-0°57'27
minimum elong	-4252 Feb 26 j 09:04	4°♒21'50	0°57'35
max. Earth dist.	-4252 Apr 02 j 17:28	29°♒41'52	2.53526 AU
	-4252 Apr 03 j 04:06	0°♓	
morning rise	-4252 Apr 22 j 20:10	13°♓16'33	
	-4252 May 18 j 04:54	0°♈	
asc. node	-4252 Jun 18 j 19:05	20°♈16'18	
	-4252 Jul 04 j 06:59	0°♉	
	-4252 Aug 22 j 17:20	0°♊	
	-4252 Oct 16 j 00:17	0°♋	
retrograde	-4251 Jan 02 j 13:50	25°♋01'31	
opposition	-4251 Feb 07 j 21:18	17°♋12'40	5°09'33
greatest brilliancy	-4251 Feb 09 j 05:10	16°♋43'13	-1.8m
min. Earth dist.	-4251 Feb 15 j 07:10	14°♋28'46	0.55783 AU
direct	-4251 Mar 19 j 18:57	7°♋47'04	
	-4251 May 26 j 03:32	0°♌	
desc. node	-4251 Jun 21 j 22:51	16°♌02'14	
	-4251 Jul 12 j 22:29	0°♍	
	-4251 Aug 23 j 12:40	0°♎	
	-4251 Oct 02 j 00:48	0°♏	
	-4251 Nov 10 j 05:13	0°♐	
	-4251 Dec 20 j 05:13	0°♑	
	-4250 Jan 30 j 18:30	0°♒	
evening set	-4250 Feb 21 j 12:47	15°♒11'30	
	-4250 Mar 15 j 05:18	0°♓	
conjunction	-4250 Apr 15 j 12:30	20°♓51'28	-0°12'08
minimum elong	-4250 Apr 15 j 13:03	20°♓52'22	0°12'10
behind sun begin	-4250 Apr 14 j 23:24	20°♓29'56	
behind sun end	-4250 Apr 16 j 02:42	21°♓14'47	
	-4250 Apr 29 j 11:40	0°♈	
max. Earth dist.	-4250 May 02 j 15:50	2°♈03'56	2.62863 AU
asc. node	-4250 May 06 j 16:16	4°♈40'31	
morning rise	-4250 Jun 03 j 19:00	22°♈46'04	
	-4250 Jun 15 j 03:19	0°♉	
	-4250 Aug 01 j 16:37	0°♊	
	-4250 Sep 19 j 01:54	0°♋	
	-4250 Nov 08 j 07:19	0°♌	
	-4249 Jan 04 j 10:06	0°♍	
retrograde	-4249 Mar 02 j 03:41	15°♍07'55	
opposition	-4249 Apr 03 j 12:15	9°♍12'39	2°22'05
greatest brilliancy	-4249 Apr 04 j 07:21	8°♍57'55	-2.6m
min. Earth dist.	-4249 Apr 11 j 05:04	6°♍50'50	0.43023 AU
direct	-4249 May 08 j 13:34	2°♍09'14	
desc. node	-4249 May 10 j 00:40	2°♍10'07	
	-4249 Jul 21 j 15:47	0°♎	
	-4249 Sep 04 j 22:15	0°♏	
	-4249 Oct 17 j 02:24	0°♐	
	-4249 Nov 28 j 03:59	0°♑	
	-4248 Jan 10 j 06:56	0°♒	
	-4248 Feb 23 j 21:38	0°♓	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

asc. node	-4248 Mar 23 j 12:10	18°♓44'39	
evening set	-4248 Apr 06 j 14:09	27°♓51'45	
	-4248 Apr 09 j 21:39	0°♈	
conjunction	-4248 May 24 j 23:09	28°♈51'34	0°33'45
minimum elong	-4248 May 24 j 22:02	28°♈49'48	0°33'50
max. Earth dist.	-4248 May 26 j 11:15	29°♈49'07	2.66933 AU
	-4248 May 26 j 18:04	0°♉	
morning rise	-4248 Jul 09 j 19:45	28°♉08'21	
	-4248 Jul 12 j 17:29	0°♊	
	-4248 Aug 28 j 06:32	0°♋	
	-4248 Oct 13 j 04:53	0°♌	
	-4248 Nov 27 j 18:25	0°♍	
	-4247 Jan 12 j 16:36	0°♎	
	-4247 Mar 02 j 04:50	0°♏	
desc. node	-4247 Mar 27 j 02:14	13°♏25'35	
retrograde	-4247 May 19 j 02:46	28°♏41'18	
min. Earth dist.	-4247 Jun 15 j 20:06	24°♏09'48	0.38267 AU
opposition	-4247 Jun 19 j 12:22	23°♏09'01	-5°33'34
greatest brilliancy	-4247 Jun 18 j 17:38	23°♏21'58	-2.9m
direct	-4247 Jul 19 j 10:32	18°♏05'30	
	-4247 Sep 04 j 00:26	0°♐	
	-4247 Oct 29 j 08:34	0°♑	
	-4247 Dec 16 j 17:07	0°♒	
	-4246 Feb 02 j 03:44	0°♓	
asc. node	-4246 Feb 08 j 09:54	3°♓57'02	
	-4246 Mar 21 j 18:17	0°♈	
	-4246 May 08 j 09:22	0°♉	
evening set	-4246 May 15 j 23:05	4°♉47'33	
max. Earth dist.	-4246 Jun 19 j 02:45	26°♉34'35	2.65579 AU
	-4246 Jun 24 j 10:24	0°♊	
conjunction	-4246 Jul 01 j 15:03	4°♊38'46	1°04'22
minimum elong	-4246 Jul 01 j 14:03	4°♊37'08	1°04'32
	-4246 Aug 09 j 07:10	0°♋	
morning rise	-4246 Aug 16 j 02:16	4°♋31'45	
	-4246 Sep 22 j 16:06	0°♌	
	-4246 Nov 04 j 13:58	0°♍	
	-4246 Dec 16 j 07:17	0°♎	
	-4245 Jan 26 j 08:11	0°♏	
desc. node	-4245 Feb 12 j 02:10	12°♏15'09	
	-4245 Mar 08 j 14:50	0°♐	
	-4245 Apr 21 j 06:06	0°♑	
	-4245 Jun 15 j 11:49	0°♒	
retrograde	-4245 Jul 19 j 02:27	7°♒08'07	
min. Earth dist.	-4245 Aug 17 j 07:07	1°♒17'14	0.48848 AU
	-4245 Aug 20 j 21:25	30°℞♑	
greatest brilliancy	-4245 Aug 23 j 22:21	28°♑53'37	-2.2m
opposition	-4245 Aug 25 j 05:54	28°♑24'57	-5°08'13
direct	-4245 Sep 27 j 21:22	21°♑18'59	
	-4245 Nov 07 j 05:52	0°♒	
asc. node	-4245 Dec 27 j 09:45	23°♒43'35	
	-4244 Jan 07 j 21:29	0°♓	
	-4244 Feb 28 j 20:20	0°♈	
	-4244 Apr 18 j 07:58	0°♉	
	-4244 Jun 05 j 01:24	0°♊	
evening set	-4244 Jun 22 j 12:58	11°♊17'42	
max. Earth dist.	-4244 Jul 14 j 15:54	25°♊51'46	2.58985 AU
	-4244 Jul 20 j 20:31	0°♋	
conjunction	-4244 Aug 09 j 03:53	13°♋04'23	1°09'15
minimum elong	-4244 Aug 09 j 04:33	13°♋05'31	1°09'26
	-4244 Sep 02 j 13:53	0°♌	
morning rise	-4244 Sep 26 j 21:12	17°♌17'34	
	-4244 Oct 14 j 08:56	0°♍	
	-4244 Nov 23 j 15:16	0°♎	
desc. node	-4244 Dec 30 j 01:25	27°♎46'15	
	-4243 Jan 01 j 23:10	0°♏	
	-4243 Feb 10 j 03:00	0°♐	
	-4243 Mar 22 j 03:09	0°♑	
	-4243 May 03 j 11:59	0°♒	
	-4243 Jun 20 j 17:22	0°♓	
retrograde	-4243 Aug 29 j 21:13	23°♓44'11	
min. Earth dist.	-4243 Oct 03 j 09:57	15°♓50'49	0.60207 AU
opposition	-4243 Oct 08 j 11:06	13°♓50'13	-1°28'39
greatest brilliancy	-4243 Oct 08 j 05:08	13°♓56'09	-1.7m
asc. node	-4243 Nov 13 j 10:10	5°♓08'49	
direct	-4243 Nov 14 j 20:02	5°♓08'03	
	-4242 Feb 01 j 04:09	0°♈	
	-4242 Mar 28 j 05:54	0°♉	
	-4242 May 16 j 20:21	0°♊	
	-4242 Jul 02 j 04:33	0°♋	
evening set	-4242 Aug 03 j 22:56	22°♋22'54	
	-4242 Aug 14 j 18:58	0°♌	
max. Earth dist.	-4242 Aug 19 j 07:48	3°♌13'13	2.47944 AU
conjunction	-4242 Sep 25 j 08:11	0°♍11'29	0°35'16
minimum elong	-4242 Sep 25 j 10:01	0°♍14'55	0°35'22
	-4242 Sep 25 j 02:00	0°♍	
	-4242 Nov 03 j 15:54	0°♎	
desc. node	-4242 Nov 16 j 22:45	10°♎16'07	
morning rise	-4242 Nov 22 j 07:59	14°♎27'05	
	-4242 Dec 12 j 06:27	0°♏	
	-4241 Jan 19 j 17:21	0°♐	
	-4241 Feb 27 j 21:54	0°♑	
	-4241 Apr 09 j 18:56	0°♒	
	-4241 May 23 j 12:13	0°♓	
	-4241 Jul 11 j 11:21	0°♈	
	-4241 Sep 27 j 16:54	0°♉	
asc. node	-4241 Oct 01 j 11:06	0°♉14'42	
retrograde	-4241 Oct 04 j 18:22	0°♉18'54	
	-4241 Oct 11 j 14:57	30°℞♈	
min. Earth dist.	-4241 Nov 12 j 09:22	21°♈01'39	0.66383 AU
opposition	-4241 Nov 13 j 18:27	20°♈28'18	1°36'38
greatest brilliancy	-4241 Nov 13 j 15:40	20°♈31'06	-1.4m
direct	-4241 Dec 23 j 15:23	10°♈52'46	
	-4240 Feb 28 j 09:47	0°♉	
	-4240 Apr 24 j 08:15	0°♊	
	-4240 Jun 11 j 11:39	0°♋	
	-4240 Jul 25 j 13:32	0°♌	
	-4240 Sep 04 j 19:05	0°♍	
evening set	-4240 Sep 24 j 16:13	15°♍01'58	
desc. node	-4240 Oct 03 j 19:08	22°♍01'54	
	-4240 Oct 14 j 02:23	0°♎	
	-4240 Nov 21 j 09:25	0°♏	
conjunction	-4240 Nov 25 j 16:52	3°♏23'41	-0°36'27
minimum elong	-4240 Nov 25 j 13:59	3°♏18'00	0°36'31
max. Earth dist.	-4240 Nov 27 j 23:49	5°♏11'54	2.37617 AU
	-4240 Dec 29 j 14:11	0°♐	
morning rise	-4239 Feb 01 j 16:20	26°♐17'05	
	-4239 Feb 06 j 13:55	0°♑	
	-4239 Mar 19 j 03:43	0°♒	
	-4239 Apr 30 j 23:39	0°♓	
	-4239 Jun 15 j 18:50	0°♈	
	-4239 Aug 05 j 05:10	0°♉	
asc. node	-4239 Aug 18 j 11:59	7°♉09'09	
	-4239 Oct 11 j 17:34	0°♊	
retrograde	-4239 Nov 07 j 17:23	3°♊59'49	
	-4239 Dec 02 j 12:34	30°℞♉	
opposition	-4239 Dec 17 j 00:07	24°♉42'07	3°52'55
greatest brilliancy	-4239 Dec 17 j 06:04	24°♉36'12	-1.3m
min. Earth dist.	-4239 Dec 19 j 09:51	23°♉44'49	0.66356 AU
direct	-4238 Jan 27 j 02:18	14°♉42'05	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-4238 Mar 25 j 11:32	0°♊	
	-4238 May 19 j 21:54	0°♋	
	-4238 Jul 04 j 21:30	0°♌	
	-4238 Aug 15 j 17:14	0°♍	
desc. node	-4238 Aug 21 j 17:50	4°♍29'34	
	-4238 Sep 24 j 04:06	0°♎	
	-4238 Nov 01 j 11:50	0°♏	
evening set	-4238 Nov 30 j 17:00	22°♏56'59	
	-4238 Dec 09 j 17:49	0°♐	
	-4237 Jan 17 j 20:22	0°♑	
conjunction	-4237 Feb 03 j 01:20	12°♑06'35	-1°06'56
minimum elong	-4237 Feb 03 j 02:19	12°♑08'25	1°07'07
	-4237 Feb 27 j 13:21	0°♒	
max. Earth dist.	-4237 Mar 19 j 06:57	14°♒01'57	2.48678 AU
morning rise	-4237 Apr 04 j 16:21	25°♒26'02	
	-4237 Apr 11 j 08:05	0°♓	
	-4237 May 26 j 09:43	0°♈	
asc. node	-4237 Jul 06 j 10:37	26°♈00'47	
	-4237 Jul 12 j 21:58	0°♉	
	-4237 Sep 01 j 21:10	0°♊	
	-4237 Nov 02 j 12:16	0°♋	
retrograde	-4237 Dec 16 j 19:43	9°♋37'00	
opposition	-4236 Jan 23 j 05:53	1°♋16'22	5°07'55
greatest brilliancy	-4236 Jan 24 j 06:47	0°♋52'39	-1.6m
	-4236 Jan 26 j 13:54	30°℞♊	
min. Earth dist.	-4236 Jan 29 j 09:01	28°♊56'21	0.59949 AU
direct	-4236 Mar 03 j 22:53	21°♊28'22	
	-4236 Apr 12 j 12:21	0°♋	
	-4236 Jun 08 j 16:56	0°♌	
desc. node	-4236 Jul 08 j 17:14	19°♌49'15	
	-4236 Jul 23 j 04:31	0°♍	
	-4236 Sep 01 j 16:51	0°♎	
	-4236 Oct 10 j 15:10	0°♏	
	-4236 Nov 18 j 09:09	0°♐	
	-4236 Dec 27 j 23:39	0°♑	
evening set	-4235 Feb 01 j 00:57	25°♑36'52	
	-4235 Feb 07 j 04:20	0°♒	
	-4235 Mar 22 j 08:04	0°♓	
conjunction	-4235 Mar 28 j 20:48	4°♓25'17	-0°31'10
minimum elong	-4235 Mar 28 j 22:15	4°♓27'44	0°31'15
max. Earth dist.	-4235 Apr 22 j 02:31	20°♓35'44	2.59799 AU
	-4235 May 06 j 10:30	0°♈	
morning rise	-4235 May 19 j 10:46	8°♈27'03	
asc. node	-4235 May 23 j 07:19	10°♈56'24	
	-4235 Jun 22 j 03:38	0°♉	
	-4235 Aug 09 j 04:48	0°♊	
	-4235 Sep 27 j 23:59	0°♋	
	-4235 Nov 21 j 12:22	0°♌	
retrograde	-4234 Feb 04 j 11:06	23°♌30'47	
opposition	-4234 Mar 10 j 14:47	16°♌45'35	4°08'27
greatest brilliancy	-4234 Mar 11 j 23:20	16°♌17'59	-2.2m
min. Earth dist.	-4234 Mar 19 j 02:53	13°♌53'51	0.48089 AU
direct	-4234 Apr 17 j 02:59	8°♌29'59	
desc. node	-4234 May 26 j 16:33	17°♌46'25	
	-4234 Jun 20 j 04:06	0°♍	
	-4234 Aug 05 j 23:38	0°♎	
	-4234 Sep 16 j 13:01	0°♏	
	-4234 Oct 26 j 23:41	0°♐	
	-4234 Dec 06 j 22:21	0°♑	
	-4233 Jan 18 j 05:52	0°♒	
	-4233 Mar 03 j 06:30	0°♓	
evening set	-4233 Mar 22 j 01:35	12°♓28'12	
asc. node	-4233 Apr 10 j 04:31	24°♓59'33	
	-4233 Apr 17 j 21:31	0°♈	
conjunction	-4233 May 10 j 21:03	14°♈49'20	0°17'14
minimum elong	-4233 May 10 j 20:23	14°♈48'17	0°17'16
max. Earth dist.	-4233 May 18 j 05:30	19°♈32'14	2.65978 AU
	-4233 Jun 03 j 14:16	0°♉	
morning rise	-4233 Jun 26 j 16:49	14°♉43'27	
	-4233 Jul 20 j 16:52	0°♊	
	-4233 Sep 05 j 18:24	0°♋	
	-4233 Oct 22 j 19:34	0°♌	
	-4233 Dec 09 j 14:04	0°♍	
	-4232 Jan 29 j 12:07	0°♎	
desc. node	-4232 Apr 12 j 17:53	27°♎39'29	
retrograde	-4232 Apr 17 j 23:46	27°♎49'50	
opposition	-4232 May 18 j 11:26	22°♎47'17	-2°39'02
greatest brilliancy	-4232 May 18 j 13:23	22°♎45'59	-2.9m
min. Earth dist.	-4232 May 20 j 02:40	22°♎21'05	0.37947 AU
direct	-4232 Jun 18 j 03:19	17°♎34'14	
	-4232 Aug 04 j 00:02	0°♏	
	-4232 Sep 25 j 20:46	0°♐	
	-4232 Nov 10 j 22:49	0°♑	
	-4232 Dec 26 j 07:05	0°♒	
	-4231 Feb 10 j 06:15	0°♓	
asc. node	-4231 Feb 25 j 02:00	9°♓33'02	
	-4231 Mar 29 j 01:41	0°♈	
evening set	-4231 Apr 30 j 23:34	20°♈54'26	
	-4231 May 15 j 07:16	0°♉	
max. Earth dist.	-4231 Jun 09 j 20:40	16°♉16'42	2.66742 AU
conjunction	-4231 Jun 17 j 00:34	20°♉51'31	0°54'56
minimum elong	-4231 Jun 16 j 23:18	20°♉49'29	0°55'05
	-4231 Jul 01 j 06:12	0°♊	
morning rise	-4231 Aug 01 j 07:01	20°♊08'01	
	-4231 Aug 16 j 07:33	0°♋	
	-4231 Sep 30 j 03:49	0°♌	
	-4231 Nov 12 j 20:01	0°♍	
	-4231 Dec 25 j 14:41	0°♎	
	-4230 Feb 06 j 02:08	0°♏	
desc. node	-4230 Feb 28 j 19:38	15°♏50'48	
	-4230 Mar 21 j 16:50	0°♐	
	-4230 May 11 j 01:05	0°♑	
retrograde	-4230 Jun 28 j 09:55	13°♑47'27	
min. Earth dist.	-4230 Jul 25 j 15:55	8°♑49'08	0.43870 AU
greatest brilliancy	-4230 Aug 01 j 00:55	6°♑43'14	-2.5m
opposition	-4230 Aug 02 j 15:27	6°♑11'16	-6°14'24
	-4230 Sep 01 j 07:22	30°℞♐	
direct	-4230 Sep 03 j 11:37	29°♐58'08	
	-4230 Sep 05 j 16:06	0°♑	
	-4230 Nov 27 j 03:02	0°♒	
asc. node	-4229 Jan 13 j 00:42	26°♒47'57	
	-4229 Jan 18 j 10:03	0°♓	
	-4229 Mar 09 j 01:19	0°♈	
	-4229 Apr 26 j 14:49	0°♉	
evening set	-4229 Jun 08 j 08:39	27°♉01'21	
	-4229 Jun 12 j 23:54	0°♊	
max. Earth dist.	-4229 Jul 04 j 19:25	14°♊09'02	2.62155 AU
conjunction	-4229 Jul 25 j 06:04	27°♊39'10	1°11'10
minimum elong	-4229 Jul 25 j 05:56	27°♊38'58	1°11'22
	-4229 Jul 28 j 18:27	0°♋	
morning rise	-4229 Sep 10 j 03:43	29°♋37'43	
	-4229 Sep 10 j 16:29	0°♌	
	-4229 Oct 22 j 20:07	0°♍	
	-4229 Dec 02 j 13:16	0°♎	
	-4228 Jan 11 j 09:00	0°♏	
desc. node	-4228 Jan 16 j 18:20	4°♏04'55	
	-4228 Feb 20 j 01:43	0°♐	
	-4228 Mar 31 j 19:30	0°♑	
	-4228 May 14 j 19:44	0°♒	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-4228 Jul 10 j 02:42	0°♓	
retrograde	-4228 Aug 14 j 12:24	7°♓31'40	
min. Earth dist.	-4228 Sep 16 j 02:12	0°♓21'17	0.56238 AU
	-4228 Sep 17 j 00:18	30°℞♒	
opposition	-4228 Sep 22 j 11:18	27°♒52'07	-2°52'47
greatest brilliancy	-4228 Sep 21 j 20:40	28°♒06'23	-1.8m
direct	-4228 Oct 28 j 12:15	19°♒41'22	
asc. node	-4228 Nov 30 j 00:43	25°♒24'07	
	-4228 Dec 12 j 23:31	0°♓	
	-4227 Feb 12 j 12:51	0°♈	
	-4227 Apr 05 j 13:21	0°♉	
	-4227 May 24 j 05:26	0°♊	
	-4227 Jul 09 j 06:56	0°♋	
evening set	-4227 Jul 17 j 14:52	5°♋36'29	
max. Earth dist.	-4227 Aug 03 j 09:00	17°♋03'35	2.52678 AU
	-4227 Aug 21 j 21:30	0°♌	
conjunction	-4227 Sep 05 j 13:38	10°♌27'25	0°53'58
minimum elong	-4227 Sep 05 j 15:25	10°♌30'37	0°54'05
	-4227 Oct 02 j 08:16	0°♍	
morning rise	-4227 Oct 29 j 02:01	20°♍02'57	
	-4227 Nov 11 j 03:19	0°♎	
desc. node	-4227 Dec 03 j 16:47	17°♎22'42	
	-4227 Dec 19 j 23:07	0°♏	
	-4226 Jan 27 j 14:47	0°♐	
	-4226 Mar 08 j 00:02	0°♑	
	-4226 Apr 18 j 04:52	0°♒	
	-4226 Jun 01 j 19:24	0°♓	
	-4226 Jul 24 j 11:28	0°♈	
retrograde	-4226 Sep 21 j 04:57	16°♈54'39	
asc. node	-4226 Oct 18 j 01:48	12°♈01'11	
min. Earth dist.	-4226 Oct 28 j 08:35	8°♈06'48	0.64688 AU
opposition	-4226 Oct 31 j 04:51	6°♈58'02	0°30'35
greatest brilliancy	-4226 Oct 31 j 03:20	6°♈59'33	-1.5m
	-4226 Nov 20 j 09:40	30°℞♓	
direct	-4226 Dec 09 j 06:04	27°♓39'39	
	-4226 Dec 29 j 16:08	0°♈	
	-4225 Mar 12 j 11:48	0°♉	
	-4225 May 03 j 21:07	0°♊	
	-4225 Jun 20 j 02:45	0°♋	
	-4225 Aug 02 j 22:34	0°♌	
evening set	-4225 Sep 03 j 07:58	22°♌42'00	
	-4225 Sep 13 j 03:57	0°♍	
max. Earth dist.	-4225 Sep 26 j 01:52	9°♍42'54	2.40456 AU
desc. node	-4225 Oct 21 j 14:41	29°♍16'44	
	-4225 Oct 22 j 13:02	0°♎	
conjunction	-4225 Oct 31 j 05:44	6°♎45'13	-0°06'57
minimum elong	-4225 Oct 31 j 05:09	6°♎44'06	0°06'57
behind sun begin	-4225 Oct 30 j 05:07	5°♎57'20	
behind sun end	-4225 Nov 01 j 05:12	7°♎30'54	
	-4225 Nov 29 j 22:01	0°♏	
morning rise	-4224 Jan 04 j 21:25	28°♏13'31	
	-4224 Jan 07 j 04:02	0°♐	
	-4224 Feb 15 j 04:05	0°♑	
	-4224 Mar 26 j 18:25	0°♒	
	-4224 May 08 j 18:20	0°♓	
	-4224 Jun 24 j 06:01	0°♈	
	-4224 Aug 16 j 13:58	0°♉	
asc. node	-4224 Sep 04 j 02:15	8°♉33'43	
retrograde	-4224 Oct 24 j 23:23	21°♉08'18	
opposition	-4224 Dec 03 j 15:55	11°♉35'01	3°06'10
greatest brilliancy	-4224 Dec 03 j 16:44	11°♉34'13	-1.3m
min. Earth dist.	-4224 Dec 04 j 13:41	11°♉13'14	0.67130 AU
direct	-4223 Jan 13 j 10:27	1°♉41'21	
	-4223 Apr 07 j 20:26	0°♊	
	-4223 May 28 j 23:59	0°♋	
	-4223 Jul 12 j 23:34	0°♌	
	-4223 Aug 23 j 11:51	0°♍	
desc. node	-4223 Sep 07 j 11:49	11°♍17'18	
	-4223 Oct 01 j 20:18	0°♎	
evening set	-4223 Nov 03 j 08:50	25°♎28'13	
	-4223 Nov 09 j 02:51	0°♏	
	-4223 Dec 17 j 07:24	0°♐	
conjunction	-4222 Jan 07 j 23:09	16°♐46'24	-1°05'39
minimum elong	-4222 Jan 07 j 21:34	16°♐43'23	1°05'50
	-4222 Jan 25 j 07:36	0°♑	
max. Earth dist.	-4222 Feb 25 j 20:09	23°♑25'17	2.43432 AU
	-4222 Mar 06 j 21:47	0°♒	
morning rise	-4222 Mar 13 j 20:35	4°♒59'31	
	-4222 Apr 18 j 14:55	0°♓	
	-4222 Jun 02 j 19:33	0°♈	
	-4222 Jul 21 j 00:15	0°♉	
asc. node	-4222 Jul 23 j 02:05	1°♉14'23	
	-4222 Sep 12 j 14:55	0°♊	
retrograde	-4222 Nov 30 j 18:26	25°♊24'21	
opposition	-4221 Jan 08 j 01:38	16°♊37'55	4°48'20
greatest brilliancy	-4221 Jan 08 j 18:38	16°♊21'24	-1.5m
min. Earth dist.	-4221 Jan 12 j 18:35	14°♊48'07	0.63197 AU
direct	-4221 Feb 18 j 03:44	6°♊39'16	
	-4221 May 01 j 10:42	0°♋	
	-4221 Jun 20 j 05:40	0°♌	
desc. node	-4221 Jul 26 j 09:50	25°♌03'37	
	-4221 Aug 02 j 05:18	0°♍	
	-4221 Sep 11 j 03:44	0°♎	
	-4221 Oct 19 j 18:07	0°♏	
	-4221 Nov 27 j 05:45	0°♐	
	-4220 Jan 05 j 14:01	0°♑	
evening set	-4220 Jan 10 j 03:22	3°♑24'21	
	-4220 Feb 15 j 12:36	0°♒	
conjunction	-4220 Mar 09 j 08:20	16°♒07'33	-0°48'55
minimum elong	-4220 Mar 09 j 10:26	16°♒11'13	0°49'01
	-4220 Mar 29 j 11:16	0°♓	
max. Earth dist.	-4220 Apr 10 j 08:11	8°♓02'43	2.55955 AU
morning rise	-4220 May 02 j 22:11	23°♓05'08	
	-4220 May 13 j 11:21	0°♈	
asc. node	-4220 Jun 09 j 00:31	17°♈07'47	
	-4220 Jun 29 j 08:26	0°♉	
	-4220 Aug 17 j 03:24	0°♊	
	-4220 Oct 08 j 05:40	0°♋	
	-4220 Dec 13 j 23:58	0°♌	
retrograde	-4219 Jan 13 j 15:05	4°♌59'34	
	-4219 Feb 11 j 02:08	30°℞♋	
opposition	-4219 Feb 18 j 06:13	27°♋30'54	4°58'03
greatest brilliancy	-4219 Feb 19 j 16:16	27°♋00'09	-1.9m
min. Earth dist.	-4219 Feb 26 j 05:41	24°♋38'55	0.53194 AU
direct	-4219 Mar 29 j 11:45	18°♋24'24	
	-4219 May 14 j 03:29	0°♌	
desc. node	-4219 Jun 12 j 09:43	15°♌24'05	
	-4219 Jul 05 j 15:43	0°♍	
	-4219 Aug 17 j 09:04	0°♎	
	-4219 Sep 26 j 09:26	0°♏	
	-4219 Nov 04 j 21:44	0°♐	
	-4219 Dec 15 j 03:32	0°♑	
	-4218 Jan 25 j 21:30	0°♒	
evening set	-4218 Mar 04 j 07:46	25°♒49'50	
	-4218 Mar 10 j 11:51	0°♓	
	-4218 Apr 24 j 20:13	0°♈	
conjunction	-4218 Apr 25 j 00:45	0°♈07'20	-0°01'05
minimum elong	-4218 Apr 25 j 00:47	0°♈07'23	0°01'06
behind sun begin	-4218 Apr 24 j 04:15	29°♓33'59	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

behind sun end	-4218 Apr 25 j 21:19	0°♈40'45	
asc. node	-4218 Apr 26 j 21:01	1°♈19'18	
max. Earth dist.	-4218 May 08 j 11:47	8°♈50'58	2.64204 AU
	-4218 Jun 10 j 11:21	0°♉	
morning rise	-4218 Jun 12 j 06:49	1°♉09'14	
	-4218 Jul 27 j 19:42	0°♊	
	-4218 Sep 13 j 14:59	0°♋	
	-4218 Nov 01 j 09:05	0°♌	
	-4218 Dec 23 j 09:11	0°♍	
retrograde	-4217 Mar 18 j 13:42	29°♍37'04	
opposition	-4217 Apr 18 j 23:09	24°♍07'42	0°48'19
greatest brilliancy	-4217 Apr 19 j 05:05	24°♍03'22	-2.8m
min. Earth dist.	-4217 Apr 25 j 03:53	22°♍19'32	0.40641 AU
desc. node	-4217 Apr 30 j 10:17	20°♍53'19	
direct	-4217 May 22 j 10:21	17°♍48'45	
	-4217 Jul 06 j 22:46	0°♎	
	-4217 Aug 27 j 07:10	0°♏	
	-4217 Oct 10 j 06:53	0°♐	
	-4217 Nov 22 j 07:09	0°♑	
	-4216 Jan 04 j 23:59	0°♒	
	-4216 Feb 18 j 23:35	0°♓	
asc. node	-4216 Mar 13 j 18:11	15°♓30'52	
	-4216 Apr 05 j 05:02	0°♈	
evening set	-4216 Apr 15 j 15:02	6°♈40'50	
	-4216 May 22 j 03:54	0°♉	
max. Earth dist.	-4216 May 31 j 20:00	6°♉09'44	2.67099 AU
conjunction	-4216 Jun 02 j 09:56	7°♉10'11	0°42'19
minimum elong	-4216 Jun 02 j 08:41	7°♉08'11	0°42'25
	-4216 Jul 08 j 02:51	0°♊	
morning rise	-4216 Jul 17 j 22:30	6°♊18'53	
	-4216 Aug 23 j 11:08	0°♋	
	-4216 Oct 07 j 22:45	0°♌	
	-4216 Nov 21 j 16:40	0°♍	
	-4215 Jan 05 j 03:15	0°♎	
	-4215 Feb 19 j 09:32	0°♏	
desc. node	-4215 Mar 17 j 11:42	16°♏17'55	
	-4215 Apr 10 j 23:11	0°♐	
retrograde	-4215 Jun 03 j 21:40	16°♐15'41	
min. Earth dist.	-4215 Jun 30 j 17:12	11°♐47'52	0.39734 AU
greatest brilliancy	-4215 Jul 05 j 09:24	10°♐25'37	-2.8m
opposition	-4215 Jul 06 j 16:40	10°♐02'35	-6°20'06
direct	-4215 Aug 05 j 23:06	4°♐40'34	
	-4215 Oct 19 j 07:09	0°♑	
	-4215 Dec 09 j 22:39	0°♒	
	-4214 Jan 27 j 14:47	0°♓	
asc. node	-4214 Jan 29 j 16:25	1°♓17'07	
	-4214 Mar 16 j 19:18	0°♈	
	-4214 May 03 j 17:09	0°♉	
evening set	-4214 May 24 j 11:03	13°♉06'56	
	-4214 Jun 19 j 20:53	0°♊	
max. Earth dist.	-4214 Jun 24 j 17:33	3°♊08'12	2.64597 AU
conjunction	-4214 Jul 10 j 01:53	13°♊06'11	1°08'05
minimum elong	-4214 Jul 10 j 01:08	13°♊04'57	1°08'17
	-4214 Aug 04 j 16:57	0°♋	
morning rise	-4214 Aug 24 j 21:01	13°♋32'46	
	-4214 Sep 17 j 22:05	0°♌	
	-4214 Oct 30 j 13:05	0°♍	
	-4214 Dec 10 j 20:42	0°♎	
	-4213 Jan 20 j 08:53	0°♏	
desc. node	-4213 Feb 02 j 13:03	9°♏47'32	
	-4213 Mar 01 j 21:36	0°♐	
	-4213 Apr 13 j 00:12	0°♑	
	-4213 May 31 j 01:33	0°♒	
retrograde	-4213 Jul 29 j 16:09	19°♒15'03	
min. Earth dist.	-4213 Aug 29 j 02:35	12°♒54'00	0.51599 AU
opposition	-4213 Sep 05 j 14:40	10°♒05'24	-4°20'09
greatest brilliancy	-4213 Sep 04 j 13:10	10°♒29'21	-2.1m
direct	-4213 Oct 10 j 03:27	2°♒33'43	
asc. node	-4213 Dec 17 j 15:13	23°♒19'43	
	-4213 Dec 30 j 23:19	0°♓	
	-4212 Feb 23 j 02:29	0°♈	
	-4212 Apr 13 j 08:03	0°♉	
	-4212 May 31 j 08:56	0°♊	
evening set	-4212 Jul 01 j 10:53	20°♊09'31	
	-4212 Jul 16 j 06:24	0°♋	
max. Earth dist.	-4212 Jul 21 j 10:40	3°♋28'40	2.56930 AU
conjunction	-4212 Aug 18 j 16:51	22°♋49'15	1°05'32
minimum elong	-4212 Aug 18 j 17:59	22°♋51'13	1°05'42
	-4212 Aug 28 j 23:06	0°♌	
morning rise	-4212 Oct 07 j 19:30	28°♌39'10	
	-4212 Oct 09 j 15:32	0°♍	
	-4212 Nov 18 j 17:58	0°♎	
desc. node	-4212 Dec 20 j 11:20	24°♎17'09	
	-4212 Dec 27 j 21:15	0°♏	
	-4211 Feb 04 j 19:59	0°♐	
	-4211 Mar 16 j 13:00	0°♑	
	-4211 Apr 27 j 07:29	0°♒	
	-4211 Jun 12 j 14:24	0°♓	
	-4211 Aug 17 j 02:34	0°♈	
retrograde	-4211 Sep 07 j 05:38	2°♈45'53	
	-4211 Sep 27 j 01:31	30°℞♓	
min. Earth dist.	-4211 Oct 12 j 17:33	24°♓32'04	0.62034 AU
opposition	-4211 Oct 17 j 00:42	22°♓48'45	-0°42'44
greatest brilliancy	-4211 Oct 16 j 22:17	22°♓51'10	-1.6m
asc. node	-4211 Nov 03 j 15:36	16°♓38'16	
direct	-4211 Nov 24 j 01:17	13°♓52'16	
	-4210 Jan 23 j 02:06	0°♈	
	-4210 Mar 22 j 08:53	0°♉	
	-4210 May 11 j 19:25	0°♊	
	-4210 Jun 27 j 10:54	0°♋	
	-4210 Aug 10 j 03:27	0°♌	
evening set	-4210 Aug 14 j 10:51	3°♌03'29	
max. Earth dist.	-4210 Aug 30 j 09:35	14°♌31'40	2.45205 AU
	-4210 Sep 20 j 10:09	0°♍	
conjunction	-4210 Oct 07 j 13:25	12°♍52'48	0°21'29
minimum elong	-4210 Oct 07 j 14:47	12°♍55'24	0°21'32
	-4210 Oct 29 j 22:26	0°♎	
desc. node	-4210 Nov 07 j 08:05	6°♎30'04	
morning rise	-4210 Dec 07 j 09:12	29°♎56'50	
	-4210 Dec 07 j 10:49	0°♏	
	-4209 Jan 14 j 19:39	0°♐	
	-4209 Feb 22 j 21:54	0°♑	
	-4209 Apr 04 j 15:05	0°♒	
	-4209 May 17 j 23:19	0°♓	
	-4209 Jul 04 j 16:05	0°♈	
	-4209 Sep 02 j 21:58	0°♉	
asc. node	-4209 Sep 21 j 17:31	5°♉44'13	
retrograde	-4209 Oct 12 j 12:02	8°♉15'23	
	-4209 Nov 17 j 16:33	30°℞♈	
opposition	-4209 Nov 21 j 10:22	28°♈29'59	2°11'45
greatest brilliancy	-4209 Nov 21 j 08:07	28°♈32'14	-1.4m
min. Earth dist.	-4209 Nov 20 j 20:19	28°♈44'07	0.66911 AU
direct	-4209 Dec 31 j 16:21	18°♈47'00	
	-4208 Feb 18 j 05:02	0°♉	
	-4208 Apr 18 j 07:07	0°♊	
	-4208 Jun 06 j 07:44	0°♋	
	-4208 Jul 20 j 16:59	0°♌	
	-4208 Aug 31 j 01:10	0°♍	
desc. node	-4208 Sep 24 j 05:28	18°♍18'42	
evening set	-4208 Oct 08 j 08:30	29°♍12'35	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-4208 Oct 09 j 08:56	0°♎	
	-4208 Nov 16 j 15:27	0°♏	
conjunction	-4208 Dec 11 j 07:07	19°♏24'43	-0°50'28
minimum elong	-4208 Dec 11 j 03:49	19°♏18'15	0°50'34
	-4208 Dec 24 j 19:34	0°♐	
max. Earth dist.	-4207 Jan 17 j 16:47	18°♐30'16	2.38725 AU
	-4207 Feb 01 j 18:38	0°♑	
morning rise	-4207 Feb 17 j 00:49	11°♑27'30	
	-4207 Mar 14 j 07:23	0°♒	
	-4207 Apr 26 j 00:53	0°♓	
	-4207 Jun 10 j 12:13	0°♈	
	-4207 Jul 29 j 20:11	0°♉	
asc. node	-4207 Aug 08 j 17:46	5°♉36'22	
	-4207 Sep 26 j 22:44	0°♊	
retrograde	-4207 Nov 15 j 21:58	11°♊58'02	
opposition	-4207 Dec 24 j 21:22	2°♊50'26	4°16'07
greatest brilliancy	-4207 Dec 25 j 06:54	2°♊41'01	-1.4m
min. Earth dist.	-4207 Dec 28 j 02:30	1°♊34'20	0.65496 AU
	-4206 Jan 01 j 03:47	30°℞♉	
direct	-4206 Feb 04 j 01:06	22°♉49'24	
	-4206 Mar 13 j 00:57	0°♊	
	-4206 May 13 j 09:30	0°♋	
	-4206 Jun 29 j 09:56	0°♌	
	-4206 Aug 10 j 14:30	0°♍	
desc. node	-4206 Aug 12 j 03:31	1°♍08'21	
	-4206 Sep 19 j 05:17	0°♎	
	-4206 Oct 27 j 15:01	0°♏	
	-4206 Dec 04 j 22:25	0°♐	
evening set	-4206 Dec 15 j 19:20	8°♐25'26	
	-4205 Jan 13 j 02:04	0°♑	
conjunction	-4205 Feb 16 j 13:01	25°♑27'57	-1°02'29
minimum elong	-4205 Feb 16 j 14:51	25°♑31'17	1°02'40
	-4205 Feb 22 j 19:45	0°♒	
max. Earth dist.	-4205 Mar 28 j 17:10	23°♒53'19	2.51414 AU
	-4205 Apr 06 j 14:38	0°♓	
morning rise	-4205 Apr 15 j 20:33	6°♓17'23	
	-4205 May 21 j 14:08	0°♈	
asc. node	-4205 Jun 26 j 15:57	23°♈03'43	
	-4205 Jul 07 j 18:49	0°♉	
	-4205 Aug 26 j 17:24	0°♊	
	-4205 Oct 22 j 03:06	0°♋	
retrograde	-4205 Dec 26 j 16:52	18°♋41'47	
opposition	-4204 Feb 01 j 13:16	10°♋37'50	5°11'07
greatest brilliancy	-4204 Feb 02 j 18:12	10°♋10'40	-1.7m
min. Earth dist.	-4204 Feb 08 j 09:52	8°♋03'44	0.57740 AU
direct	-4204 Mar 12 j 20:34	1°♋00'44	
	-4204 May 31 j 20:16	0°♌	
desc. node	-4204 Jun 29 j 01:51	17°♌45'48	
	-4204 Jul 16 j 23:18	0°♍	
	-4204 Aug 27 j 01:40	0°♎	
	-4204 Oct 05 j 07:12	0°♏	
	-4204 Nov 13 j 06:20	0°♐	
	-4204 Dec 23 j 01:03	0°♑	
	-4203 Feb 02 j 09:08	0°♒	
evening set	-4203 Feb 12 j 22:53	7°♒27'32	
	-4203 Mar 17 j 15:28	0°♓	
conjunction	-4203 Apr 08 j 03:09	14°♓25'26	-0°20'13
minimum elong	-4203 Apr 08 j 04:05	14°♓26'59	0°20'16
max. Earth dist.	-4203 Apr 28 j 08:21	27°♓45'20	2.61589 AU
	-4203 May 01 j 18:47	0°♈	
asc. node	-4203 May 13 j 13:34	7°♈39'26	
morning rise	-4203 May 28 j 08:21	17°♈11'12	
	-4203 Jun 17 j 10:06	0°♉	
	-4203 Aug 04 j 03:39	0°♊	
	-4203 Sep 22 j 01:22	0°♋	
	-4203 Nov 12 j 17:11	0°♌	
	-4202 Jan 16 j 17:35	0°♍	
retrograde	-4202 Feb 18 j 10:14	5°♍42'40	
	-4202 Mar 21 j 18:38	30°℞♌	
opposition	-4202 Mar 23 j 14:37	29°♌24'50	3°16'00
greatest brilliancy	-4202 Mar 24 j 17:22	29°♌03'16	-2.4m
min. Earth dist.	-4202 Mar 31 j 22:11	26°♌44'45	0.45218 AU
direct	-4202 Apr 28 j 21:14	21°♌46'44	
desc. node	-4202 May 17 j 03:08	23°♌58'56	
	-4202 Jun 04 j 14:03	0°♍	
	-4202 Jul 28 j 12:02	0°♎	
	-4202 Sep 09 j 17:08	0°♏	
	-4202 Oct 20 j 23:16	0°♐	
	-4202 Dec 01 j 10:43	0°♑	
	-4201 Jan 13 j 03:11	0°♒	
	-4201 Feb 26 j 10:21	0°♓	
evening set	-4201 Mar 31 j 15:55	21°♓51'09	
asc. node	-4201 Mar 31 j 09:47	21°♓41'10	
	-4201 Apr 13 j 05:22	0°♈	
conjunction	-4201 May 19 j 14:47	23°♈22'40	0°27'05
minimum elong	-4201 May 19 j 13:50	23°♈21'08	0°27'08
max. Earth dist.	-4201 May 23 j 16:14	25°♈58'20	2.66620 AU
	-4201 May 29 j 23:37	0°♉	
morning rise	-4201 Jul 04 j 20:00	22°♉51'48	
	-4201 Jul 16 j 00:18	0°♊	
	-4201 Aug 31 j 18:36	0°♋	
	-4201 Oct 17 j 04:00	0°♌	
	-4201 Dec 02 j 13:43	0°♍	
	-4200 Jan 19 j 03:09	0°♎	
	-4200 Mar 12 j 11:26	0°♏	
desc. node	-4200 Apr 03 j 05:14	9°♏12'47	
retrograde	-4200 May 05 j 21:44	15°♏28'51	
min. Earth dist.	-4200 Jun 04 j 04:53	10°♏39'55	0.37722 AU
opposition	-4200 Jun 05 j 13:30	10°♏18'09	-4°29'41
greatest brilliancy	-4200 Jun 05 j 05:53	10°♏23'14	-2.9m
direct	-4200 Jul 05 j 12:44	5°♏18'22	
	-4200 Sep 14 j 20:38	0°♐	
	-4200 Nov 03 j 13:29	0°♑	
	-4200 Dec 20 j 07:38	0°♒	
	-4199 Feb 05 j 00:18	0°♓	
asc. node	-4199 Feb 15 j 06:54	6°♓33'32	
	-4199 Mar 24 j 05:14	0°♈	
evening set	-4199 May 09 j 14:56	29°♈20'35	
	-4199 May 10 j 15:49	0°♉	
max. Earth dist.	-4199 Jun 15 j 06:18	22°♉40'07	2.66208 AU
conjunction	-4199 Jun 25 j 09:32	29°♉10'31	1°00'50
minimum elong	-4199 Jun 25 j 08:23	29°♉08'39	1°00'59
	-4199 Jun 26 j 16:17	0°♊	
morning rise	-4199 Aug 09 j 16:48	28°♊42'41	
	-4199 Aug 11 j 15:32	0°♋	
	-4199 Sep 25 j 06:03	0°♌	
	-4199 Nov 07 j 12:05	0°♍	
	-4199 Dec 19 j 16:08	0°♎	
	-4198 Jan 30 j 06:12	0°♏	
desc. node	-4198 Feb 19 j 05:26	14°♏21'22	
	-4198 Mar 13 j 07:53	0°♐	
	-4198 Apr 27 j 17:09	0°♑	
retrograde	-4198 Jul 10 j 13:56	27°♑54'09	
min. Earth dist.	-4198 Aug 07 j 19:51	22°♑27'07	0.46584 AU
greatest brilliancy	-4198 Aug 14 j 10:43	20°♑08'50	-2.3m
opposition	-4198 Aug 15 j 22:12	19°♑37'40	-5°41'06
direct	-4198 Sep 17 j 18:41	12°♑54'26	
	-4198 Nov 16 j 13:48	0°♒	
asc. node	-4197 Jan 03 j 06:30	25°♒05'41	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-4197 Jan 11 j 21:13	0°♓	
	-4197 Mar 03 j 16:52	0°♈	
	-4197 Apr 21 j 18:27	0°♉	
	-4197 Jun 08 j 08:51	0°♊	
evening set	-4197 Jun 17 j 00:24	5°♊34'09	
max. Earth dist.	-4197 Jul 10 j 22:59	21°♊12'15	2.60507 AU
	-4197 Jul 24 j 04:35	0°♋	
conjunction	-4197 Aug 03 j 05:41	6°♋45'10	1°10'43
minimum elong	-4197 Aug 03 j 06:00	6°♋45'42	1°10'55
	-4197 Sep 06 j 01:04	0°♌	
morning rise	-4197 Sep 20 j 00:42	9°♌51'20	
	-4197 Oct 18 j 00:39	0°♍	
	-4197 Nov 27 j 12:15	0°♎	
	-4196 Jan 06 j 01:11	0°♏	
desc. node	-4196 Jan 07 j 04:30	0°♏52'08	
	-4196 Feb 14 j 09:56	0°♐	
	-4196 Mar 25 j 15:51	0°♑	
	-4196 May 07 j 12:15	0°♒	
	-4196 Jun 26 j 17:04	0°♓	
retrograde	-4196 Aug 23 j 11:00	17°♓25'35	
min. Earth dist.	-4196 Sep 26 j 03:21	9°♓50'55	0.58526 AU
opposition	-4196 Oct 01 j 19:37	7°♓36'21	-2°03'29
greatest brilliancy	-4196 Oct 01 j 10:17	7°♓45'34	-1.7m
	-4196 Oct 27 j 03:57	30°℞♒	
direct	-4196 Nov 07 j 14:49	29°♒07'25	
	-4196 Nov 19 j 16:41	0°♓	
asc. node	-4196 Nov 20 j 06:50	0°♓05'04	
	-4195 Feb 05 j 11:53	0°♈	
	-4195 Mar 31 j 03:07	0°♉	
	-4195 May 19 j 08:26	0°♊	
	-4195 Jul 04 j 14:48	0°♋	
evening set	-4195 Jul 27 j 08:29	15°♋24'46	
max. Earth dist.	-4195 Aug 12 j 01:42	26°♋20'03	2.50125 AU
	-4195 Aug 17 j 06:36	0°♌	
conjunction	-4195 Sep 16 j 12:44	21°♌46'46	0°44'09
minimum elong	-4195 Sep 16 j 14:40	21°♌50'17	0°44'15
	-4195 Sep 27 j 16:20	0°♍	
	-4195 Nov 06 j 09:17	0°♎	
morning rise	-4195 Nov 11 j 09:07	3°♎50'22	
desc. node	-4195 Nov 24 j 02:29	13°♎40'19	
	-4195 Dec 15 j 02:17	0°♏	
	-4194 Jan 22 j 14:55	0°♐	
	-4194 Mar 02 j 20:36	0°♑	
	-4194 Apr 12 j 19:03	0°♒	
	-4194 May 26 j 18:02	0°♓	
	-4194 Jul 15 j 18:09	0°♈	
retrograde	-4194 Sep 29 j 00:54	25°♈06'46	
asc. node	-4194 Oct 08 j 07:52	24°♈31'26	
min. Earth dist.	-4194 Nov 06 j 00:18	16°♈02'28	0.65741 AU
opposition	-4194 Nov 08 j 01:38	15°♈12'45	1°09'58
greatest brilliancy	-4194 Nov 07 j 22:56	15°♈15'28	-1.4m
direct	-4194 Dec 17 j 14:30	5°♈44'25	
	-4193 Mar 05 j 01:58	0°♉	
	-4193 Apr 28 j 08:47	0°♊	
	-4193 Jun 15 j 03:39	0°♋	
	-4193 Jul 29 j 04:10	0°♌	
	-4193 Sep 08 j 10:41	0°♍	
evening set	-4193 Sep 15 j 16:34	5°♍25'53	
desc. node	-4193 Oct 11 j 23:01	25°♍28'17	
	-4193 Oct 17 j 19:33	0°♎	
max. Earth dist.	-4193 Oct 22 j 15:12	3°♎44'31	2.38388 AU
conjunction	-4193 Nov 14 j 21:43	21°♎56'30	-0°24'03
minimum elong	-4193 Nov 14 j 19:43	21°♎52'35	0°24'06
	-4193 Nov 25 j 03:39	0°♏	

	-4192 Jan 02 j 08:43	0°♐	
morning rise	-4192 Jan 21 j 06:29	14°♐40'12	
	-4192 Feb 10 j 07:53	0°♑	
	-4192 Mar 21 j 20:32	0°♒	
	-4192 May 03 j 16:23	0°♓	
	-4192 Jun 18 j 15:31	0°♈	
	-4192 Aug 08 j 22:35	0°♉	
asc. node	-4192 Aug 25 j 09:02	8°♉26'11	
retrograde	-4192 Nov 01 j 19:55	28°♉56'40	
opposition	-4192 Dec 11 j 07:25	19°♉31'26	3°34'13
greatest brilliancy	-4192 Dec 11 j 10:49	19°♉28'02	-1.3m
min. Earth dist.	-4192 Dec 13 j 00:34	18°♉50'25	0.66828 AU
direct	-4191 Jan 21 j 06:48	9°♉33'47	
	-4191 Mar 30 j 21:07	0°♊	
	-4191 May 23 j 06:10	0°♋	
	-4191 Jul 07 j 20:16	0°♌	
	-4191 Aug 18 j 13:39	0°♍	
desc. node	-4191 Aug 28 j 21:12	7°♍43'02	
	-4191 Sep 27 j 00:03	0°♎	
	-4191 Nov 04 j 07:14	0°♏	
evening set	-4191 Nov 18 j 19:10	11°♏24'59	
	-4191 Dec 12 j 12:06	0°♐	
	-4190 Jan 20 j 12:48	0°♑	
conjunction	-4190 Jan 23 j 01:08	1°♑53'49	-1°07'57
minimum elong	-4190 Jan 23 j 01:08	1°♑53'49	1°08'08
	-4190 Mar 02 j 03:15	0°♒	
max. Earth dist.	-4190 Mar 11 j 04:48	6°♒30'10	2.46359 AU
morning rise	-4190 Mar 26 j 14:47	17°♒23'45	
	-4190 Apr 13 j 19:54	0°♓	
	-4190 May 28 j 21:06	0°♈	
asc. node	-4190 Jul 13 j 08:02	28°♈37'32	
	-4190 Jul 15 j 14:08	0°♉	
	-4190 Sep 05 j 09:38	0°♊	
	-4190 Nov 13 j 01:48	0°♋	
retrograde	-4190 Dec 09 j 18:14	3°♋51'23	
	-4189 Jan 03 j 07:53	30°℞♊	
opposition	-4189 Jan 16 j 14:33	25°♊18'26	5°01'03
greatest brilliancy	-4189 Jan 17 j 11:52	24°♊57'54	-1.5m
min. Earth dist.	-4189 Jan 22 j 02:17	23°♊11'45	0.61529 AU
direct	-4189 Feb 26 j 12:34	15°♊24'36	
	-4189 Apr 21 j 16:04	0°♋	
	-4189 Jun 13 j 20:25	0°♌	
desc. node	-4189 Jul 16 j 20:33	22°♌17'45	
	-4189 Jul 27 j 15:38	0°♍	
	-4189 Sep 05 j 22:06	0°♎	
	-4189 Oct 14 j 16:36	0°♏	
	-4189 Nov 22 j 07:00	0°♐	
	-4189 Dec 31 j 17:40	0°♑	
evening set	-4188 Jan 23 j 10:56	16°♑47'00	
	-4188 Feb 10 j 18:09	0°♒	
conjunction	-4188 Mar 20 j 17:53	27°♒15'30	-0°38'58
minimum elong	-4188 Mar 20 j 19:41	27°♒18'34	0°39'03
	-4188 Mar 24 j 18:17	0°♓	
max. Earth dist.	-4188 Apr 17 j 10:36	15°♓56'39	2.58175 AU
	-4188 May 08 j 18:16	0°♈	
morning rise	-4188 May 12 j 13:26	2°♈28'39	
asc. node	-4188 May 30 j 04:47	13°♈53'11	
	-4188 Jun 24 j 12:01	0°♉	
	-4188 Aug 11 j 19:15	0°♊	
	-4188 Oct 01 j 09:29	0°♋	
	-4188 Nov 28 j 01:23	0°♌	
retrograde	-4187 Jan 25 j 13:29	15°♌37'20	
opposition	-4187 Mar 01 j 10:22	8°♌31'40	4°34'47
greatest brilliancy	-4187 Mar 02 j 20:37	8°♌01'44	-2.1m
min. Earth dist.	-4187 Mar 09 j 20:04	5°♌36'32	0.50417 AU

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-4187 Apr 04 j 01:36	30°℞♋		
direct	-4187 Apr 08 j 19:49	29°♋50'40		
	-4187 Apr 13 j 15:17	0°♌		
desc. node	-4187 Jun 02 j 19:49	16°♌13'07		
	-4187 Jun 27 j 02:00	0°♍		
	-4187 Aug 10 j 16:14	0°♎		
	-4187 Sep 20 j 10:47	0°♏		
	-4187 Oct 30 j 09:43	0°♐		
	-4187 Dec 09 j 23:20	0°♑		
	-4186 Jan 20 j 23:04	0°♒		
	-4186 Mar 05 j 17:41	0°♓		
evening set	-4186 Mar 14 j 15:00	5°♓56'52		
asc. node	-4186 Apr 17 j 02:19	27°♓59'19		
	-4186 Apr 20 j 04:30	0°♈		
conjunction	-4186 May 04 j 05:25	9°♈05'25	0°09'44	
minimum elong	-4186 May 04 j 05:01	9°♈04'47	0°09'46	
behind sun begin	-4186 May 03 j 12:52	8°♈38'44		
behind sun end	-4186 May 04 j 21:10	9°♈30'49		
max. Earth dist.	-4186 May 14 j 04:42	15°♈30'44	2.65286 AU	
	-4186 Jun 05 j 19:52	0°♉		
morning rise	-4186 Jun 20 j 14:52	9°♉25'29		
	-4186 Jul 23 j 00:32	0°♊		
	-4186 Sep 08 j 09:08	0°♋		
	-4186 Oct 26 j 02:08	0°♌		
	-4186 Dec 14 j 07:17	0°♍		
	-4185 Feb 07 j 20:46	0°♎		
retrograde	-4185 Apr 04 j 22:13	15°♎25'26		
desc. node	-4185 Apr 20 j 20:49	13°♎52'52		
opposition	-4185 May 05 j 16:55	10°♎15'59	-1°05'34	
greatest brilliancy	-4185 May 05 j 20:07	10°♎13'46	-2.9m	
min. Earth dist.	-4185 May 09 j 15:11	9°♎11'09	0.38821 AU	
direct	-4185 Jun 06 j 10:56	4°♎38'30		
	-4185 Aug 16 j 04:34	0°♏		
	-4185 Oct 02 j 13:55	0°♐		
	-4185 Nov 16 j 00:06	0°♑		
	-4185 Dec 30 j 11:43	0°♒		
	-4184 Feb 13 j 22:41	0°♓		
asc. node	-4184 Mar 03 j 23:46	12°♓21'31		
	-4184 Mar 31 j 10:45	0°♈		
evening set	-4184 Apr 24 j 11:58	15°♈20'27		
	-4184 May 17 j 12:57	0°♉		
max. Earth dist.	-4184 Jun 06 j 04:51	12°♉31'29	2.67004 AU	
conjunction	-4184 Jun 10 j 19:47	15°♉28'30	0°50'00	
minimum elong	-4184 Jun 10 j 18:30	15°♉26'26	0°50'07	
	-4184 Jul 03 j 11:56	0°♊		
morning rise	-4184 Jul 26 j 03:29	14°♊37'44		
	-4184 Aug 18 j 16:37	0°♋		
	-4184 Oct 02 j 20:00	0°♌		
	-4184 Nov 15 j 23:04	0°♍		
	-4184 Dec 29 j 09:37	0°♎		
	-4183 Feb 10 j 20:20	0°♏		
desc. node	-4183 Mar 07 j 22:54	16°♏53'32		
	-4183 Mar 28 j 08:58	0°♐		
	-4183 May 29 j 07:47	0°♑		
retrograde	-4183 Jun 18 j 07:47	2°♑42'14		
	-4183 Jul 08 j 03:27	30°℞♐		
min. Earth dist.	-4183 Jul 15 j 01:02	28°♐02'20	0.41833 AU	
greatest brilliancy	-4183 Jul 20 j 21:31	26°♐12'39	-2.6m	
opposition	-4183 Jul 22 j 11:08	25°♐43'03	-6°28'07	
direct	-4183 Aug 22 j 12:17	19°♐54'19		
	-4183 Oct 04 j 17:51	0°♑		
	-4183 Dec 02 j 08:21	0°♒		
asc. node	-4182 Jan 19 j 21:51	28°♒52'16		
	-4182 Jan 21 j 18:28	0°♓		
	-4182 Mar 11 j 16:45	0°♈		
	-4182 Apr 28 j 23:10	0°♉		
evening set	-4182 Jun 01 j 23:58	21°♉30'22		
	-4182 Jun 15 j 06:17	0°♊		
max. Earth dist.	-4182 Jun 30 j 11:21	9°♊50'20	2.63341 AU	
conjunction	-4182 Jul 18 j 17:11	21°♊47'20	1°10'25	
minimum elong	-4182 Jul 18 j 16:46	21°♊46'39	1°10'36	
	-4182 Jul 31 j 02:09	0°♋		
morning rise	-4182 Sep 03 j 00:59	22°♋59'47		
	-4182 Sep 13 j 04:12	0°♌		
	-4182 Oct 25 j 13:24	0°♍		
	-4182 Dec 05 j 13:17	0°♎		
	-4181 Jan 14 j 15:59	0°♏		
desc. node	-4181 Jan 23 j 21:49	6°♏57'06		
	-4181 Feb 23 j 16:11	0°♐		
	-4181 Apr 05 j 20:49	0°♑		
	-4181 May 21 j 00:07	0°♒		
	-4181 Aug 01 j 04:56	0°♓		
retrograde	-4181 Aug 08 j 11:40	0°♓22'24		
	-4181 Aug 15 j 14:42	30°℞♒		
min. Earth dist.	-4181 Sep 09 j 03:13	23°♒33'27	0.54224 AU	
greatest brilliancy	-4181 Sep 15 j 06:17	21°♒12'16	-1.9m	
opposition	-4181 Sep 16 j 01:29	20°♒53'48	-3°30'03	
direct	-4181 Oct 21 j 10:22	12°♒59'38		
asc. node	-4181 Dec 07 j 21:37	24°♒10'47		
	-4181 Dec 21 j 09:50	0°♓		
	-4180 Feb 17 j 00:13	0°♈		
	-4180 Apr 08 j 05:07	0°♉		
	-4180 May 26 j 15:07	0°♊		
evening set	-4180 Jul 10 j 13:49	29°♊16'36		
	-4180 Jul 11 j 15:47	0°♋		
max. Earth dist.	-4180 Jul 28 j 14:35	11°♋27'08	2.54652 AU	
	-4180 Aug 24 j 08:27	0°♌		
conjunction	-4180 Aug 28 j 16:14	3°♌03'18	0°59'42	
minimum elong	-4180 Aug 28 j 17:47	3°♌06'03	0°59'52	
	-4180 Oct 04 j 22:29	0°♍		
morning rise	-4180 Oct 19 j 12:59	10°♍50'48		
	-4180 Nov 13 j 21:21	0°♎		
desc. node	-4180 Dec 10 j 20:03	20°♎41'57		
	-4180 Dec 22 j 20:32	0°♏		
	-4179 Jan 30 j 14:50	0°♐		
	-4179 Mar 11 j 02:29	0°♑		
	-4179 Apr 21 j 10:55	0°♒		
	-4179 Jun 05 j 13:06	0°♓		
	-4179 Jul 30 j 23:30	0°♈		
retrograde	-4179 Sep 15 j 07:41	11°♈25'06		
min. Earth dist.	-4179 Oct 21 j 18:13	2°♈52'09	0.63621 AU	
asc. node	-4179 Oct 24 j 22:34	1°♈35'25		
opposition	-4179 Oct 25 j 06:36	1°♈27'21	0°00'48	
greatest brilliancy	-4179 Oct 25 j 06:38	1°♈27'19	-1.5m	
	-4179 Oct 28 j 22:26	30°℞♓		
direct	-4179 Dec 02 j 21:47	22°♓18'14		
	-4178 Jan 10 j 22:38	0°♈		
	-4178 Mar 16 j 02:31	0°♉		
	-4178 May 06 j 15:18	0°♊		
	-4178 Jun 22 j 15:53	0°♋		
	-4178 Aug 05 j 11:42	0°♌		
evening set	-4178 Aug 25 j 10:55	14°♌18'29		
max. Earth dist.	-4178 Sep 12 j 14:05	27°♌37'33	2.42512 AU	
	-4178 Sep 15 j 18:40	0°♍		
conjunction	-4178 Oct 20 j 13:45	26°♍23'47	0°05'53	
minimum elong	-4178 Oct 20 j 14:11	26°♍24'37	0°05'55	
behind sun begin	-4178 Oct 19 j 14:18	25°♍38'38		
behind sun end	-4178 Oct 21 j 14:05	27°♍10'37		
	-4178 Oct 25 j 05:52	0°♎		

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

desc. node	-4178 Oct 28 j 18:24	2°♎43'33	
	-4178 Dec 02 j 16:28	0°♏	
morning rise	-4178 Dec 23 j 05:57	16°♏08'31	
	-4177 Jan 09 j 23:13	0°♐	
	-4177 Feb 17 j 23:20	0°♑	
	-4177 Mar 30 j 13:25	0°♒	
	-4177 May 12 j 14:39	0°♓	
	-4177 Jun 28 j 10:22	0°♈	
	-4177 Aug 22 j 14:41	0°♉	
asc. node	-4177 Sep 11 j 23:07	8°♉24'58	
retrograde	-4177 Oct 20 j 05:41	16°♉07'02	
opposition	-4177 Nov 29 j 01:31	6°♉27'47	2°44'21
greatest brilliancy	-4177 Nov 29 j 00:39	6°♉28'39	-1.3m
min. Earth dist.	-4177 Nov 29 j 06:55	6°♉22'22	0.67163 AU
	-4177 Dec 16 j 21:22	30°℞♈	
direct	-4176 Jan 08 j 15:17	26°♈38'29	
	-4176 Feb 02 j 10:04	0°♉	
	-4176 Apr 11 j 18:26	0°♊	
	-4176 May 31 j 23:46	0°♋	
	-4176 Jul 15 j 18:30	0°♌	
	-4176 Aug 26 j 06:04	0°♍	
desc. node	-4176 Sep 14 j 15:28	14°♍37'24	
	-4176 Oct 04 j 15:00	0°♎	
evening set	-4176 Oct 22 j 18:15	14°♎09'16	
	-4176 Nov 11 j 21:46	0°♏	
	-4176 Dec 20 j 01:41	0°♐	
conjunction	-4176 Dec 26 j 23:44	5°♐23'31	-1°00'46
minimum elong	-4176 Dec 26 j 21:05	5°♐18'23	1°00'55
	-4175 Jan 28 j 00:31	0°♑	
max. Earth dist.	-4175 Feb 12 j 16:31	11°♑46'06	2.41149 AU
morning rise	-4175 Mar 03 j 11:23	25°♑36'22	
	-4175 Mar 09 j 12:41	0°♒	
	-4175 Apr 21 j 04:11	0°♓	
	-4175 Jun 05 j 09:35	0°♈	
	-4175 Jul 23 j 22:25	0°♉	
asc. node	-4175 Jul 29 j 22:47	3°♉31'48	
	-4175 Sep 17 j 03:31	0°♊	
retrograde	-4175 Nov 24 j 07:35	20°♊02'43	
opposition	-4174 Jan 01 j 22:36	11°♊06'08	4°35'53
greatest brilliancy	-4174 Jan 02 j 12:08	10°♊52'53	-1.4m
min. Earth dist.	-4174 Jan 05 j 23:21	9°♊31'25	0.64354 AU
direct	-4174 Feb 12 j 02:16	1°♊05'38	
	-4174 May 06 j 05:00	0°♋	
	-4174 Jun 23 j 17:03	0°♌	
desc. node	-4174 Aug 02 j 13:02	27°♌56'03	
	-4174 Aug 05 j 08:49	0°♍	
	-4174 Sep 14 j 04:24	0°♎	
	-4174 Oct 22 j 16:44	0°♏	
	-4174 Nov 30 j 01:54	0°♐	
evening set	-4174 Dec 30 j 09:35	23°♐16'47	
	-4173 Jan 08 j 07:14	0°♑	
	-4173 Feb 18 j 02:23	0°♒	
conjunction	-4173 Mar 01 j 05:35	7°♒56'46	-0°55'23
minimum elong	-4173 Mar 01 j 07:45	8°♒00'36	0°55'32
	-4173 Apr 01 j 21:54	0°♓	
max. Earth dist.	-4173 Apr 05 j 23:20	2°♓46'06	2.54001 AU
morning rise	-4173 Apr 26 j 09:32	16°♓31'13	
	-4173 May 16 j 20:14	0°♈	
asc. node	-4173 Jun 16 j 21:36	19°♈59'14	
	-4173 Jul 02 j 19:01	0°♉	
	-4173 Aug 20 j 23:06	0°♊	
	-4173 Oct 13 j 10:17	0°♋	
retrograde	-4172 Jan 06 j 03:38	28°♋12'17	
opposition	-4172 Feb 11 j 09:12	20°♋26'45	5°06'32
greatest brilliancy	-4172 Feb 12 j 17:21	19°♋57'09	-1.8m
min. Earth dist.	-4172 Feb 18 j 22:07	17°♋41'00	0.55326 AU
direct	-4172 Mar 22 j 04:12	11°♋04'32	
	-4172 May 22 j 07:02	0°♌	
desc. node	-4172 Jun 19 j 12:39	16°♌23'51	
	-4172 Jul 10 j 06:36	0°♍	
	-4172 Aug 21 j 04:51	0°♎	
	-4172 Sep 29 j 20:02	0°♏	
	-4172 Nov 08 j 01:17	0°♐	
	-4172 Dec 18 j 00:51	0°♑	
	-4171 Jan 28 j 12:57	0°♒	
evening set	-4171 Feb 24 j 05:09	18°♒35'58	
	-4171 Mar 12 j 22:19	0°♓	
conjunction	-4171 Apr 17 j 22:59	23°♓59'35	-0°09'06
minimum elong	-4171 Apr 17 j 23:24	24°♓00'15	0°09'07
behind sun begin	-4171 Apr 17 j 05:58	23°♓31'39	
behind sun end	-4171 Apr 18 j 16:50	24°♓28'51	
	-4171 Apr 27 j 03:17	0°♈	
asc. node	-4171 May 03 j 18:34	4°♈19'13	
max. Earth dist.	-4171 May 04 j 08:06	4°♈41'12	2.63136 AU
morning rise	-4171 Jun 06 j 00:23	25°♈43'01	
	-4171 Jun 12 j 17:37	0°♉	
	-4171 Jul 30 j 05:03	0°♊	
	-4171 Sep 16 j 10:20	0°♋	
	-4171 Nov 05 j 05:10	0°♌	
	-4171 Dec 30 j 12:32	0°♍	
retrograde	-4170 Mar 05 j 19:08	19°♍07'26	
opposition	-4170 Apr 06 j 22:22	13°♍17'13	2°01'05
greatest brilliancy	-4170 Apr 07 j 14:34	13°♍04'50	-2.6m
min. Earth dist.	-4170 Apr 14 j 08:36	11°♍01'23	0.42547 AU
desc. node	-4170 May 07 j 13:18	6°♍29'03	
direct	-4170 May 11 j 17:54	6°♍21'46	
	-4170 Jul 17 j 17:06	0°♎	
	-4170 Sep 02 j 01:47	0°♏	
	-4170 Oct 14 j 13:57	0°♐	
	-4170 Nov 25 j 18:37	0°♑	
	-4169 Jan 07 j 22:27	0°♒	
	-4169 Feb 21 j 13:05	0°♓	
asc. node	-4169 Mar 21 j 15:28	18°♓25'13	
	-4169 Apr 08 j 12:49	0°♈	
evening set	-4169 Apr 09 j 21:49	0°♈53'12	
	-4169 May 25 j 09:10	0°♉	
conjunction	-4169 May 28 j 03:58	1°♉46'31	0°36'14
minimum elong	-4169 May 28 j 02:49	1°♉44'40	0°36'18
max. Earth dist.	-4169 May 29 j 01:58	2°♉21'35	2.66990 AU
	-4169 Jul 11 j 08:41	0°♊	
morning rise	-4169 Jul 12 j 22:32	1°♊00'38	
	-4169 Aug 26 j 21:24	0°♋	
	-4169 Oct 11 j 18:07	0°♌	
	-4169 Nov 26 j 03:34	0°♍	
	-4168 Jan 10 j 16:50	0°♎	
	-4168 Feb 27 j 04:54	0°♏	
desc. node	-4168 Mar 24 j 14:22	14°♏55'24	
	-4168 Apr 29 j 12:23	0°♐	
retrograde	-4168 May 22 j 18:30	3°♐28'20	
	-4168 Jun 15 j 12:57	30°℞♏	
min. Earth dist.	-4168 Jun 19 j 06:57	28°♏59'20	0.38491 AU
opposition	-4168 Jun 23 j 11:55	27°♏48'50	-5°48'41
greatest brilliancy	-4168 Jun 22 j 14:08	28°♏04'05	-2.9m
direct	-4168 Jul 23 j 10:05	22°♏42'39	
	-4168 Aug 27 j 20:38	0°♐	
	-4168 Oct 25 j 22:41	0°♑	
	-4168 Dec 13 j 22:25	0°♒	
	-4167 Jan 30 j 14:20	0°♓	
asc. node	-4167 Feb 05 j 13:22	3°♓45'09	
	-4167 Mar 19 j 07:10	0°♈	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-4167 May 05 j 23:46	0°♉	
evening set	-4167 May 18 j 03:24	7°♉41'16	
max. Earth dist.	-4167 Jun 20 j 18:23	29°♉08'40	2.65423 AU
	-4167 Jun 22 j 02:17	0°♊	
conjunction	-4167 Jul 03 j 18:33	7°♊32'33	1°05'30
minimum elong	-4167 Jul 03 j 17:36	7°♊31'01	1°05'40
	-4167 Aug 07 j 00:28	0°♋	
morning rise	-4167 Aug 18 j 06:39	7°♋30'20	
	-4167 Sep 20 j 10:26	0°♌	
	-4167 Nov 02 j 08:26	0°♍	
	-4167 Dec 14 j 00:50	0°♎	
	-4166 Jan 23 j 23:17	0°♏	
desc. node	-4166 Feb 09 j 15:56	12°♏15'43	
	-4166 Mar 06 j 00:44	0°♐	
	-4166 Apr 18 j 02:51	0°♑	
	-4166 Jun 09 j 04:51	0°♒	
retrograde	-4166 Jul 21 j 18:46	10°♒54'10	
min. Earth dist.	-4166 Aug 20 j 05:54	4°♒56'51	0.49376 AU
greatest brilliancy	-4166 Aug 26 j 20:14	2°♒32'33	-2.2m
opposition	-4166 Aug 28 j 02:33	2°♒04'45	-4°56'50
	-4166 Sep 02 j 23:31	30°℞♑	
direct	-4166 Sep 30 j 21:05	24°♑53'36	
	-4166 Oct 30 j 22:45	0°♒	
asc. node	-4166 Dec 24 j 12:07	24°♒03'25	
	-4165 Jan 04 j 14:37	0°♓	
	-4165 Feb 26 j 02:48	0°♈	
	-4165 Apr 16 j 19:47	0°♉	
	-4165 Jun 03 j 16:33	0°♊	
evening set	-4165 Jun 25 j 18:47	14°♊16'15	
max. Earth dist.	-4165 Jul 17 j 10:01	28°♊32'46	2.58628 AU
	-4165 Jul 19 j 14:15	0°♋	
conjunction	-4165 Aug 12 j 11:40	16°♋10'59	1°08'26
minimum elong	-4165 Aug 12 j 12:26	16°♋12'18	1°08'37
	-4165 Sep 01 j 09:44	0°♌	
morning rise	-4165 Sep 30 j 10:29	20°♌40'20	
	-4165 Oct 13 j 06:15	0°♍	
	-4165 Nov 22 j 13:18	0°♎	
desc. node	-4165 Dec 28 j 14:40	27°♎29'35	
	-4165 Dec 31 j 21:03	0°♏	
	-4164 Feb 08 j 23:33	0°♐	
	-4164 Mar 19 j 20:37	0°♑	
	-4164 Apr 30 j 22:35	0°♒	
	-4164 Jun 17 j 07:24	0°♓	
retrograde	-4164 Sep 01 j 01:04	26°♓49'13	
min. Earth dist.	-4164 Oct 05 j 18:00	18°♓52'38	0.60566 AU
opposition	-4164 Oct 10 j 16:49	16°♓54'18	-1°15'48
greatest brilliancy	-4164 Oct 10 j 11:50	16°♓59'16	-1.7m
asc. node	-4164 Nov 10 j 12:12	8°♓27'01	
direct	-4164 Nov 17 j 05:22	8°♓09'26	
	-4163 Jan 28 j 10:19	0°♈	
	-4163 Mar 25 j 10:46	0°♉	
	-4163 May 14 j 09:00	0°♊	
	-4163 Jun 29 j 21:42	0°♋	
evening set	-4163 Aug 06 j 11:10	25°♋39'38	
	-4163 Aug 12 j 15:13	0°♌	
max. Earth dist.	-4163 Aug 21 j 18:12	6°♌29'03	2.47433 AU
	-4163 Sep 23 j 00:16	0°♍	
conjunction	-4163 Sep 28 j 03:21	3°♍49'13	0°32'03
minimum elong	-4163 Sep 28 j 05:06	3°♍52'30	0°32'06
	-4163 Nov 01 j 15:16	0°♎	
desc. node	-4163 Nov 14 j 11:46	9°♎55'44	
morning rise	-4163 Nov 25 j 15:44	18°♎36'34	
	-4163 Dec 10 j 06:00	0°♏	
	-4162 Jan 17 j 16:11	0°♐	
	-4162 Feb 25 j 19:04	0°♑	
	-4162 Apr 07 j 13:03	0°♒	
	-4162 May 21 j 00:38	0°♓	
	-4162 Jul 08 j 09:18	0°♈	
	-4162 Sep 13 j 12:39	0°♉	
asc. node	-4162 Sep 28 j 14:10	2°♉43'40	
retrograde	-4162 Oct 06 j 18:52	3°♉09'09	
	-4162 Oct 28 j 09:54	30°℞♈	
opposition	-4162 Nov 15 j 19:10	23°♈19'19	1°46'54
min. Earth dist.	-4162 Nov 14 j 12:53	23°♈49'48	0.66508 AU
greatest brilliancy	-4162 Nov 15 j 16:19	23°♈22'12	-1.4m
direct	-4162 Dec 25 j 18:36	13°♈42'27	
	-4161 Feb 24 j 07:59	0°♉	
	-4161 Apr 22 j 13:25	0°♊	
	-4161 Jun 10 j 02:07	0°♋	
	-4161 Jul 24 j 08:59	0°♌	
	-4161 Sep 03 j 17:30	0°♍	
evening set	-4161 Sep 28 j 17:28	18°♍54'59	
desc. node	-4161 Oct 02 j 09:08	21°♍43'17	
	-4161 Oct 13 j 02:22	0°♎	
	-4161 Nov 20 j 09:47	0°♏	
conjunction	-4161 Nov 30 j 03:49	7°♏40'59	-0°39'58
minimum elong	-4161 Nov 30 j 00:46	7°♏34'59	0°40'03
max. Earth dist.	-4161 Dec 10 j 01:55	15°♏29'39	2.37624 AU
	-4161 Dec 28 j 13:54	0°♐	
	-4160 Feb 05 j 12:07	0°♑	
morning rise	-4160 Feb 06 j 05:22	0°♑32'39	
	-4160 Mar 16 j 23:38	0°♒	
	-4160 Apr 28 j 16:19	0°♓	
	-4160 Jun 13 j 06:19	0°♈	
	-4160 Aug 02 j 04:25	0°♉	
asc. node	-4160 Aug 15 j 14:56	7°♉22'25	
	-4160 Oct 04 j 15:14	0°♊	
retrograde	-4160 Nov 09 j 20:22	6°♊49'53	
	-4160 Dec 12 j 19:43	30°℞♉	
opposition	-4160 Dec 19 j 01:53	27°♉33'50	3°59'31
greatest brilliancy	-4160 Dec 19 j 08:28	27°♉27'18	-1.4m
min. Earth dist.	-4160 Dec 21 j 14:36	26°♉33'39	0.66217 AU
direct	-4159 Jan 29 j 04:33	17°♉33'51	
	-4159 Mar 20 j 23:16	0°♊	
	-4159 May 17 j 02:39	0°♋	
	-4159 Jul 02 j 12:42	0°♌	
	-4159 Aug 13 j 13:26	0°♍	
desc. node	-4159 Aug 19 j 07:04	4°♍15'36	
	-4159 Sep 22 j 02:57	0°♎	
	-4159 Oct 30 j 11:45	0°♏	
evening set	-4159 Dec 04 j 03:07	27°♏11'31	
	-4159 Dec 07 j 17:31	0°♐	
	-4158 Jan 15 j 18:52	0°♑	
conjunction	-4158 Feb 06 j 05:20	16°♑00'08	-1°06'05
minimum elong	-4158 Feb 06 j 06:36	16°♑02'28	1°06'15
	-4158 Feb 25 j 09:53	0°♒	
max. Earth dist.	-4158 Mar 21 j 23:31	17°♒27'28	2.49195 AU
morning rise	-4158 Apr 07 j 10:07	28°♒51'17	
	-4158 Apr 09 j 02:12	0°♓	
	-4158 May 24 j 00:56	0°♈	
asc. node	-4158 Jul 03 j 13:10	25°♈46'40	
	-4158 Jul 10 j 08:53	0°♉	
	-4158 Aug 29 j 22:05	0°♊	
	-4158 Oct 28 j 08:39	0°♋	
retrograde	-4158 Dec 19 j 04:58	12°♋37'39	
opposition	-4157 Jan 25 j 13:10	4°♋19'56	5°08'42
greatest brilliancy	-4157 Jan 26 j 14:48	3°♋55'34	-1.6m
min. Earth dist.	-4157 Jan 31 j 19:37	1°♋57'18	0.59539 AU
	-4157 Feb 06 j 05:26	30°℞♊	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

direct	-4157 Mar 07 j 04:18	24°♊34'05	
	-4157 Apr 07 j 00:26	0°♋	
	-4157 Jun 06 j 17:25	0°♌	
desc. node	-4157 Jul 07 j 05:07	19°♌51'44	
	-4157 Jul 21 j 17:55	0°♍	
	-4157 Aug 31 j 11:19	0°♎	
	-4157 Oct 09 j 11:52	0°♏	
	-4157 Nov 17 j 06:30	0°♐	
	-4157 Dec 26 j 20:36	0°♑	
evening set	-4156 Feb 04 j 22:41	29°♑14'42	
	-4156 Feb 06 j 00:05	0°♒	
	-4156 Mar 20 j 02:11	0°♓	
conjunction	-4156 Mar 31 j 10:31	7°♓40'34	-0°28'18
minimum elong	-4156 Mar 31 j 11:50	7°♓42'48	0°28'21
max. Earth dist.	-4156 Apr 23 j 23:23	23°♓20'41	2.60155 AU
	-4156 May 04 j 02:48	0°♈	
asc. node	-4156 May 20 j 11:05	10°♈37'14	
morning rise	-4156 May 21 j 17:20	11°♈26'03	
	-4156 Jun 19 j 18:01	0°♉	
	-4156 Aug 06 j 16:16	0°♊	
	-4156 Sep 25 j 04:43	0°♋	
	-4156 Nov 17 j 17:51	0°♌	
retrograde	-4155 Feb 07 j 13:29	27°♌01'34	
opposition	-4155 Mar 13 j 12:44	20°♌21'40	3°56'40
greatest brilliancy	-4155 Mar 14 j 20:19	19°♌55'10	-2.3m
min. Earth dist.	-4155 Mar 22 j 02:00	17°♌30'29	0.47524 AU
direct	-4155 Apr 19 j 21:10	12°♌12'34	
desc. node	-4155 May 24 j 06:00	19°♌25'59	
	-4155 Jun 15 j 23:30	0°♍	
	-4155 Aug 03 j 03:24	0°♎	
	-4155 Sep 14 j 01:19	0°♏	
	-4155 Oct 24 j 15:12	0°♐	
	-4155 Dec 04 j 14:59	0°♑	
	-4154 Jan 15 j 22:29	0°♒	
	-4154 Feb 28 j 22:36	0°♓	
evening set	-4154 Mar 24 j 12:16	15°♓37'13	
asc. node	-4154 Apr 07 j 07:54	24°♓39'38	
	-4154 Apr 15 j 13:02	0°♈	
conjunction	-4154 May 13 j 03:07	17°♈47'07	0°20'00
minimum elong	-4154 May 13 j 02:22	17°♈45'54	0°20'03
max. Earth dist.	-4154 May 19 j 17:16	22°♈00'30	2.66136 AU
	-4154 Jun 01 j 05:20	0°♉	
morning rise	-4154 Jun 28 j 19:18	17°♉34'45	
	-4154 Jul 18 j 07:25	0°♊	
	-4154 Sep 03 j 07:45	0°♋	
	-4154 Oct 20 j 05:41	0°♌	
	-4154 Dec 06 j 16:08	0°♍	
	-4153 Jan 25 j 14:13	0°♎	
	-4153 Apr 03 j 02:30	0°♏	
desc. node	-4153 Apr 11 j 08:21	1°♏32'55	
retrograde	-4153 Apr 23 j 00:43	2°♏23'27	
	-4153 May 12 j 20:57	30°℞♎	
opposition	-4153 May 23 j 09:59	27°♎21'12	-3°06'04
greatest brilliancy	-4153 May 23 j 10:54	27°♎20'35	-2.9m
min. Earth dist.	-4153 May 24 j 13:19	27°♎03'03	0.37819 AU
direct	-4153 Jun 22 j 21:18	22°♎12'21	
	-4153 Jul 29 j 01:22	0°♏	
	-4153 Sep 23 j 10:55	0°♐	
	-4153 Nov 09 j 03:55	0°♑	
	-4153 Dec 24 j 17:29	0°♒	
	-4152 Feb 08 j 18:47	0°♓	
asc. node	-4152 Feb 23 j 04:20	9°♓16'02	
	-4152 Mar 26 j 15:16	0°♈	
evening set	-4152 May 03 j 05:32	23°♈51'39	
	-4152 May 12 j 21:47	0°♉	
max. Earth dist.	-4152 Jun 11 j 13:38	18°♉53'01	2.66675 AU
conjunction	-4152 Jun 19 j 04:33	23°♉45'39	0°56'41
minimum elong	-4152 Jun 19 j 03:19	23°♉43'41	0°56'49
	-4152 Jun 28 j 21:43	0°♊	
morning rise	-4152 Aug 03 j 10:21	23°♊03'24	
	-4152 Aug 13 j 23:54	0°♋	
	-4152 Sep 27 j 20:22	0°♌	
	-4152 Nov 10 j 11:44	0°♍	
	-4152 Dec 23 j 04:11	0°♎	
	-4151 Feb 03 j 11:02	0°♏	
desc. node	-4151 Feb 26 j 08:47	16°♏05'48	
	-4151 Mar 18 j 14:57	0°♐	
	-4151 May 06 j 02:26	0°♑	
retrograde	-4151 Jul 01 j 09:40	17°♑52'06	
min. Earth dist.	-4151 Jul 28 j 19:31	12°♑47'54	0.44362 AU
greatest brilliancy	-4151 Aug 04 j 05:36	10°♑39'36	-2.5m
opposition	-4151 Aug 05 j 19:27	10°♑07'44	-6°08'25
direct	-4151 Sep 06 j 20:48	3°♑48'40	
	-4151 Nov 23 j 09:35	0°♒	
asc. node	-4150 Jan 10 j 03:20	26°♒49'00	
	-4150 Jan 15 j 13:05	0°♓	
	-4150 Mar 06 j 10:45	0°♈	
	-4150 Apr 24 j 03:35	0°♉	
evening set	-4150 Jun 10 j 14:04	29°♉58'09	
	-4150 Jun 10 j 15:13	0°♊	
max. Earth dist.	-4150 Jul 06 j 09:58	16°♊43'04	2.61878 AU
	-4150 Jul 26 j 12:00	0°♋	
conjunction	-4150 Jul 27 j 12:13	0°♋40'26	1°11'12
minimum elong	-4150 Jul 27 j 12:13	0°♋40'25	1°11'23
	-4150 Sep 08 j 11:49	0°♌	
morning rise	-4150 Sep 12 j 12:59	2°♌49'35	
	-4150 Oct 20 j 16:25	0°♍	
	-4150 Nov 30 j 09:41	0°♎	
	-4149 Jan 09 j 04:35	0°♏	
desc. node	-4149 Jan 14 j 07:43	3°♏53'34	
	-4149 Feb 17 j 19:09	0°♐	
	-4149 Mar 30 j 08:24	0°♑	
	-4149 May 12 j 21:05	0°♒	
	-4149 Jul 05 j 10:40	0°♓	
retrograde	-4149 Aug 17 j 18:46	10°♓47'10	
min. Earth dist.	-4149 Sep 19 j 13:55	3°♓32'31	0.56685 AU
opposition	-4149 Sep 25 j 20:43	1°♓05'15	-2°39'43
greatest brilliancy	-4149 Sep 25 j 07:24	1°♓18'15	-1.8m
	-4149 Sep 28 j 16:18	30°℞♒	
direct	-4149 Nov 01 j 01:28	22°♒50'58	
asc. node	-4149 Nov 28 j 03:49	26°♒56'23	
	-4149 Dec 07 j 23:27	0°♓	
	-4148 Feb 10 j 09:24	0°♈	
	-4148 Apr 02 j 21:26	0°♉	
	-4148 May 21 j 18:48	0°♊	
	-4148 Jul 06 j 23:54	0°♋	
evening set	-4148 Jul 20 j 00:31	8°♋46'04	
max. Earth dist.	-4148 Aug 05 j 13:11	20°♋05'50	2.52226 AU
	-4148 Aug 19 j 17:17	0°♌	
conjunction	-4148 Sep 08 j 03:44	13°♌51'38	0°51'39
minimum elong	-4148 Sep 08 j 05:33	13°♌54'56	0°51'47
	-4148 Sep 30 j 06:05	0°♍	
morning rise	-4148 Nov 01 j 01:38	23°♍52'31	
	-4148 Nov 09 j 02:16	0°♎	
desc. node	-4148 Dec 01 j 06:11	17°♎03'47	
	-4148 Dec 17 j 22:15	0°♏	
	-4147 Jan 25 j 13:02	0°♐	
	-4147 Mar 05 j 20:10	0°♑	
	-4147 Apr 15 j 21:02	0°♒	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-4147 May 30 j 03:18	0°♓	
	-4147 Jul 20 j 14:31	0°♈	
retrograde	-4147 Sep 23 j 05:57	19°♈48'54	
asc. node	-4147 Oct 15 j 04:39	16°♈31'19	
min. Earth dist.	-4147 Oct 30 j 13:30	10°♈58'24	0.64910 AU
opposition	-4147 Nov 02 j 07:01	9°♈52'28	0°42'01
greatest brilliancy	-4147 Nov 02 j 05:00	9°♈54'30	-1.5m
direct	-4147 Dec 11 j 11:17	0°♈32'10	
	-4146 Mar 09 j 04:48	0°♉	
	-4146 May 01 j 05:46	0°♊	
	-4146 Jun 17 j 17:55	0°♋	
	-4146 Jul 31 j 17:39	0°♌	
evening set	-4146 Sep 06 j 05:13	26°♌23'49	
	-4146 Sep 11 j 01:35	0°♍	
max. Earth dist.	-4146 Oct 01 j 04:05	15°♍09'05	2.40011 AU
desc. node	-4146 Oct 19 j 02:57	28°♍55'46	
	-4146 Oct 20 j 12:10	0°♎	
conjunction	-4146 Nov 03 j 13:20	10°♎54'57	-0°11'05
minimum elong	-4146 Nov 03 j 12:26	10°♎53'11	0°11'06
behind sun begin	-4146 Nov 02 j 16:44	10°♎14'47	
behind sun end	-4146 Nov 04 j 08:07	11°♎31'36	
	-4146 Nov 27 j 21:44	0°♏	
	-4145 Jan 05 j 03:23	0°♐	
morning rise	-4145 Jan 08 j 14:14	2°♐41'29	
	-4145 Feb 13 j 02:08	0°♑	
	-4145 Mar 25 j 14:09	0°♒	
	-4145 May 07 j 10:16	0°♓	
	-4145 Jun 22 j 14:51	0°♈	
	-4145 Aug 14 j 00:53	0°♉	
asc. node	-4145 Sep 02 j 05:39	9°♉14'15	
retrograde	-4145 Oct 28 j 00:03	23°♉55'35	
opposition	-4145 Dec 06 j 16:07	14°♉23'33	3°14'17
greatest brilliancy	-4145 Dec 06 j 17:21	14°♉22'20	-1.3m
min. Earth dist.	-4145 Dec 07 j 16:57	13°♉58'45	0.67102 AU
direct	-4144 Jan 16 j 12:23	4°♉29'10	
	-4144 Apr 04 j 12:01	0°♊	
	-4144 May 26 j 10:22	0°♋	
	-4144 Jul 10 j 17:00	0°♌	
	-4144 Aug 21 j 08:57	0°♍	
desc. node	-4144 Sep 05 j 00:19	10°♍59'23	
	-4144 Sep 29 j 19:14	0°♎	
evening set	-4144 Nov 06 j 22:07	29°♎51'34	
	-4144 Nov 07 j 02:24	0°♏	
	-4144 Dec 15 j 06:31	0°♐	
conjunction	-4143 Jan 11 j 13:11	21°♐06'20	-1°06'35
minimum elong	-4143 Jan 11 j 11:58	21°♐04'01	1°06'46
	-4143 Jan 23 j 05:30	0°♑	
max. Earth dist.	-4143 Mar 01 j 11:09	27°♑37'31	2.44004 AU
	-4143 Mar 04 j 17:50	0°♒	
morning rise	-4143 Mar 16 j 23:49	8°♒47'25	
	-4143 Apr 16 j 08:29	0°♓	
	-4143 May 31 j 09:44	0°♈	
	-4143 Jul 18 j 08:25	0°♉	
asc. node	-4143 Jul 20 j 05:08	1°♉07'16	
	-4143 Sep 09 j 05:18	0°♊	
retrograde	-4143 Dec 02 j 23:36	28°♊17'40	
opposition	-4142 Jan 10 j 05:24	19°♊33'23	4°51'41
greatest brilliancy	-4142 Jan 10 j 23:10	19°♊16'08	-1.5m
min. Earth dist.	-4142 Jan 15 j 01:32	17°♊40'46	0.62923 AU
direct	-4142 Feb 20 j 07:21	9°♊35'36	
	-4142 Apr 27 j 19:59	0°♋	
	-4142 Jun 17 j 15:55	0°♌	
desc. node	-4142 Jul 23 j 23:35	24°♌57'23	
	-4142 Jul 30 j 23:24	0°♍	
	-4142 Sep 09 j 01:15	0°♎	
	-4142 Oct 17 j 16:53	0°♏	
	-4142 Nov 25 j 04:20	0°♐	
	-4141 Jan 03 j 11:27	0°♑	
evening set	-4141 Jan 13 j 08:39	7°♑22'39	
	-4141 Feb 13 j 08:18	0°♒	
conjunction	-4141 Mar 13 j 05:11	19°♒40'21	-0°46'21
minimum elong	-4141 Mar 13 j 07:14	19°♒43'55	0°46'28
	-4141 Mar 28 j 04:57	0°♓	
max. Earth dist.	-4141 Apr 13 j 12:44	11°♓03'26	2.56405 AU
morning rise	-4141 May 06 j 10:07	26°♓15'51	
	-4141 May 12 j 02:57	0°♈	
asc. node	-4141 Jun 07 j 02:08	16°♈47'32	
	-4141 Jun 27 j 21:30	0°♉	
	-4141 Aug 15 j 11:55	0°♊	
	-4141 Oct 06 j 01:31	0°♋	
	-4141 Dec 07 j 20:58	0°♌	
retrograde	-4140 Jan 17 j 08:53	8°♌16'18	
opposition	-4140 Feb 21 j 21:40	0°♌51'45	4°52'16
greatest brilliancy	-4140 Feb 23 j 07:42	0°♌21'15	-2.0m
	-4140 Feb 24 j 07:21	30°℞♋	
min. Earth dist.	-4140 Mar 01 j 00:27	27°♋58'12	0.52686 AU
direct	-4140 Apr 01 j 00:47	21°♋49'54	
	-4140 May 08 j 11:23	0°♌	
desc. node	-4140 Jun 09 j 23:06	16°♌02'26	
	-4140 Jul 02 j 17:09	0°♍	
	-4140 Aug 14 j 22:30	0°♎	
	-4140 Sep 24 j 03:20	0°♏	
	-4140 Nov 02 j 17:11	0°♐	
	-4140 Dec 12 j 22:58	0°♑	
	-4139 Jan 23 j 15:59	0°♒	
evening set	-4139 Mar 06 j 22:08	29°♒07'58	
	-4139 Mar 08 j 04:57	0°♓	
	-4139 Apr 22 j 12:02	0°♈	
asc. node	-4139 Apr 23 j 23:30	0°♈57'45	
conjunction	-4139 Apr 27 j 10:02	3°♈11'56	0°02'00
minimum elong	-4139 Apr 27 j 09:55	3°♈11'46	0°02'01
behind sun begin	-4139 Apr 26 j 13:31	2°♈38'38	
behind sun end	-4139 Apr 28 j 06:19	3°♈44'52	
max. Earth dist.	-4139 May 10 j 04:10	11°♈27'32	2.64426 AU
	-4139 Jun 08 j 02:03	0°♉	
morning rise	-4139 Jun 14 j 11:39	4°♉04'40	
	-4139 Jul 25 j 09:13	0°♊	
	-4139 Sep 11 j 01:56	0°♋	
	-4139 Oct 29 j 13:24	0°♌	
	-4139 Dec 19 j 17:02	0°♍	
	-4138 Feb 24 j 09:13	0°♎	
retrograde	-4138 Mar 22 j 07:06	3°♎48'56	
	-4138 Apr 16 j 21:51	30°℞♍	
opposition	-4138 Apr 22 j 14:31	28°♍24'01	0°22'52
greatest brilliancy	-4138 Apr 22 j 17:15	28°♍22'03	-2.8m
desc. node	-4138 Apr 27 j 23:31	26°♍51'09	
min. Earth dist.	-4138 Apr 28 j 09:35	26°♍44'02	0.40236 AU
direct	-4138 May 25 j 16:28	22°♍13'36	
	-4138 Jun 30 j 05:01	0°♎	
	-4138 Aug 23 j 22:58	0°♏	
	-4138 Oct 07 j 13:22	0°♐	
	-4138 Nov 19 j 19:02	0°♑	
	-4137 Jan 02 j 13:58	0°♒	
	-4137 Feb 16 j 14:11	0°♓	
asc. node	-4137 Mar 11 j 21:00	15°♓11'39	
	-4137 Apr 03 j 19:43	0°♈	
evening set	-4137 Apr 18 j 22:37	9°♈41'26	
	-4137 May 20 j 18:43	0°♉	
max. Earth dist.	-4137 Jun 03 j 11:30	8°♉43'45	2.67102 AU

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

conjunction	-4137 Jun 05 j 15:09	10°♉06'05	0°44'34
minimum elong	-4137 Jun 05 j 13:53	10°♉04'05	0°44'41
	-4137 Jul 06 j 17:56	0°♊	
morning rise	-4137 Jul 21 j 02:13	9°♊13'46	
	-4137 Aug 22 j 02:22	0°♋	
	-4137 Oct 06 j 13:19	0°♌	
	-4137 Nov 20 j 05:04	0°♍	
	-4136 Jan 03 j 10:46	0°♎	
	-4136 Feb 17 j 05:40	0°♏	
desc. node	-4136 Mar 15 j 01:33	17°♏07'17	
	-4136 Apr 06 j 00:58	0°♐	
retrograde	-4136 Jun 07 j 08:29	20°♐46'17	
min. Earth dist.	-4136 Jul 04 j 00:02	16°♐18'06	0.40071 AU
greatest brilliancy	-4136 Jul 08 j 23:30	14°♐49'49	-2.7m
opposition	-4136 Jul 10 j 08:32	14°♐25'16	-6°25'42
direct	-4136 Aug 09 j 16:55	8°♐59'05	
	-4136 Oct 15 j 00:51	0°♑	
	-4136 Dec 06 j 22:28	0°♒	
	-4135 Jan 24 j 22:51	0°♓	
asc. node	-4135 Jan 26 j 18:38	1°♓07'46	
	-4135 Mar 14 j 06:46	0°♈	
	-4135 May 01 j 06:38	0°♉	
evening set	-4135 May 26 j 16:09	16°♉02'54	
	-4135 Jun 17 j 12:03	0°♊	
max. Earth dist.	-4135 Jun 26 j 08:59	5°♊43'26	2.64367 AU
conjunction	-4135 Jul 12 j 07:09	16°♊04'51	1°08'52
minimum elong	-4135 Jul 12 j 06:29	16°♊03'46	1°09'02
	-4135 Aug 02 j 09:37	0°♋	
morning rise	-4135 Aug 27 j 04:23	16°♋39'25	
	-4135 Sep 15 j 15:49	0°♌	
	-4135 Oct 28 j 07:18	0°♍	
	-4135 Dec 08 j 14:36	0°♎	
	-4134 Jan 18 j 01:31	0°♏	
desc. node	-4134 Jan 31 j 01:06	9°♏40'23	
	-4134 Feb 27 j 11:08	0°♐	
	-4134 Apr 10 j 06:06	0°♑	
	-4134 May 27 j 03:49	0°♒	
retrograde	-4134 Aug 01 j 02:39	22°♒44'44	
min. Earth dist.	-4134 Aug 31 j 19:11	16°♒18'37	0.52097 AU
greatest brilliancy	-4134 Sep 07 j 05:10	13°♒53'40	-2.0m
opposition	-4134 Sep 08 j 05:17	13°♒30'54	-4°07'49
direct	-4134 Oct 12 j 21:06	5°♒55'02	
asc. node	-4134 Dec 14 j 18:20	23°♒57'20	
	-4134 Dec 27 j 06:15	0°♓	
	-4133 Feb 20 j 06:13	0°♈	
	-4133 Apr 11 j 18:37	0°♉	
	-4133 May 29 j 23:22	0°♊	
evening set	-4133 Jul 04 j 17:28	23°♊10'57	
	-4133 Jul 14 j 23:45	0°♋	
max. Earth dist.	-4133 Jul 24 j 04:23	6°♋10'32	2.56506 AU
conjunction	-4133 Aug 22 j 02:56	26°♋02'31	1°04'11
minimum elong	-4133 Aug 22 j 04:10	26°♋04'40	1°04'21
	-4133 Aug 27 j 18:35	0°♌	
	-4133 Oct 08 j 12:23	0°♍	
morning rise	-4133 Oct 11 j 13:34	2°♍14'36	
	-4133 Nov 17 j 15:21	0°♎	
desc. node	-4133 Dec 18 j 23:06	23°♎58'56	
	-4133 Dec 26 j 18:23	0°♏	
	-4132 Feb 03 j 15:58	0°♐	
	-4132 Mar 14 j 06:30	0°♑	
	-4132 Apr 24 j 19:55	0°♒	
	-4132 Jun 09 j 13:42	0°♓	
	-4132 Aug 08 j 23:30	0°♈	
retrograde	-4132 Sep 09 j 07:21	5°♈45'15	
	-4132 Oct 08 j 10:42	30°℞♓	
min. Earth dist.	-4132 Oct 15 j 00:13	27°♓28'11	0.62369 AU
opposition	-4132 Oct 19 j 04:27	25°♓47'53	-0°30'29
greatest brilliancy	-4132 Oct 19 j 02:49	25°♓49'31	-1.6m
asc. node	-4132 Oct 31 j 19:20	21°♓06'17	
direct	-4132 Nov 26 j 08:51	16°♓48'57	
	-4131 Jan 18 j 13:26	0°♈	
	-4131 Mar 19 j 10:32	0°♉	
	-4131 May 09 j 06:47	0°♊	
	-4131 Jun 25 j 03:29	0°♋	
	-4131 Aug 07 j 23:32	0°♌	
evening set	-4131 Aug 17 j 00:21	6°♌24'51	
max. Earth dist.	-4131 Sep 01 j 21:42	17°♌53'03	2.44697 AU
	-4131 Sep 18 j 08:34	0°♍	
conjunction	-4131 Oct 10 j 11:46	16°♍39'04	0°17'51
minimum elong	-4131 Oct 10 j 12:56	16°♍41'18	0°17'52
	-4131 Oct 27 j 22:01	0°♎	
desc. node	-4131 Nov 04 j 21:54	6°♎10'56	
	-4131 Dec 05 j 10:30	0°♏	
morning rise	-4131 Dec 10 j 21:41	4°♏17'04	
	-4130 Jan 12 j 18:24	0°♐	
	-4130 Feb 20 j 18:44	0°♑	
	-4130 Apr 02 j 08:56	0°♒	
	-4130 May 15 j 12:15	0°♓	
	-4130 Jul 01 j 18:26	0°♈	
	-4130 Aug 28 j 16:13	0°♉	
asc. node	-4130 Sep 18 j 20:03	7°♉19'52	
retrograde	-4130 Oct 14 j 12:04	11°♉04'58	
opposition	-4130 Nov 23 j 10:59	1°♉20'29	2°21'16
greatest brilliancy	-4130 Nov 23 j 08:53	1°♉22'35	-1.3m
min. Earth dist.	-4130 Nov 23 j 00:16	1°♉31'15	0.67003 AU
	-4130 Nov 26 j 19:31	30°℞♈	
direct	-4129 Jan 02 j 19:36	21°♈36'15	
	-4129 Feb 12 j 21:08	0°♉	
	-4129 Apr 16 j 08:28	0°♊	
	-4129 Jun 04 j 20:42	0°♋	
	-4129 Jul 19 j 11:31	0°♌	
	-4129 Aug 29 j 23:01	0°♍	
desc. node	-4129 Sep 22 j 19:14	18°♍00'44	
	-4129 Oct 08 j 08:38	0°♎	
evening set	-4129 Oct 12 j 12:37	3°♎14'08	
	-4129 Nov 15 j 15:51	0°♏	
conjunction	-4129 Dec 15 j 19:08	23°♏43'22	-0°53'12
minimum elong	-4129 Dec 15 j 15:54	23°♏37'03	0°53'19
	-4129 Dec 23 j 19:33	0°♐	
max. Earth dist.	-4128 Jan 26 j 00:28	25°♐39'59	2.39109 AU
	-4128 Jan 31 j 17:11	0°♑	
morning rise	-4128 Feb 21 j 10:18	15°♑32'29	
	-4128 Mar 12 j 03:38	0°♒	
	-4128 Apr 23 j 17:57	0°♓	
	-4128 Jun 08 j 00:42	0°♈	
	-4128 Jul 26 j 23:24	0°♉	
asc. node	-4128 Aug 05 j 19:44	5°♉39'03	
	-4128 Sep 22 j 09:19	0°♊	
retrograde	-4128 Nov 18 j 00:55	14°♊48'35	
opposition	-4128 Dec 26 j 23:25	5°♊42'39	4°21'38
greatest brilliancy	-4128 Dec 27 j 09:41	5°♊32'32	-1.4m
min. Earth dist.	-4128 Dec 30 j 08:01	4°♊23'19	0.65321 AU
	-4127 Jan 11 j 09:04	30°℞♉	
direct	-4127 Feb 06 j 04:00	25°♉41'41	
	-4127 Mar 06 j 02:12	0°♊	
	-4127 May 10 j 10:07	0°♋	
	-4127 Jun 26 j 23:52	0°♌	
	-4127 Aug 08 j 09:58	0°♍	
desc. node	-4127 Aug 09 j 16:27	0°♍56'04	
	-4127 Sep 17 j 03:26	0°♎	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-4127 Oct 25 j 14:14	0°♏		
	-4127 Dec 02 j 21:32	0°♐		
evening set	-4127 Dec 19 j 04:06	12°♐35'48		
	-4126 Jan 11 j 00:12	0°♑		
conjunction	-4126 Feb 19 j 14:05	29°♑12'52	-1°00'54	
minimum elong	-4126 Feb 19 j 16:04	29°♑16'26	1°01'02	
	-4126 Feb 20 j 16:14	0°♒		
max. Earth dist.	-4126 Mar 31 j 01:09	27°♒01'45	2.51919 AU	
	-4126 Apr 04 j 08:56	0°♓		
morning rise	-4126 Apr 18 j 11:51	9°♓36'02		
	-4126 May 19 j 05:50	0°♈		
asc. node	-4126 Jun 23 j 18:53	22°♈47'47		
	-4126 Jul 05 j 06:50	0°♉		
	-4126 Aug 23 j 21:59	0°♊		
	-4126 Oct 18 j 04:31	0°♋		
retrograde	-4126 Dec 29 j 03:20	21°♋45'40		
opposition	-4125 Feb 03 j 22:08	13°♋44'46	5°09'49	
greatest brilliancy	-4125 Feb 05 j 03:40	13°♋17'10	-1.7m	
min. Earth dist.	-4125 Feb 10 j 22:43	11°♋07'49	0.57322 AU	
direct	-4125 Mar 16 j 04:23	4°♋10'10		
	-4125 May 29 j 12:39	0°♌		
desc. node	-4125 Jun 27 j 15:46	17°♌57'39		
	-4125 Jul 15 j 11:04	0°♍		
	-4125 Aug 25 j 19:45	0°♎		
	-4125 Oct 04 j 03:45	0°♏		
	-4125 Nov 12 j 03:28	0°♐		
	-4125 Dec 21 j 21:37	0°♑		
	-4124 Feb 01 j 04:29	0°♒		
evening set	-4124 Feb 16 j 17:35	10°♒57'14		
	-4124 Mar 15 j 09:19	0°♓		
conjunction	-4124 Apr 10 j 15:08	17°♓36'13	-0°17'12	
minimum elong	-4124 Apr 10 j 15:55	17°♓37'32	0°17'15	
	-4124 Apr 29 j 11:07	0°♈		
max. Earth dist.	-4124 Apr 30 j 04:08	0°♈27'47	2.61901 AU	
asc. node	-4124 May 10 j 16:18	7°♈18'02		
morning rise	-4124 May 30 j 14:25	20°♈08'40		
	-4124 Jun 15 j 00:50	0°♉		
	-4124 Aug 01 j 16:02	0°♊		
	-4124 Sep 19 j 08:45	0°♋		
	-4124 Nov 09 j 10:17	0°♌		
	-4123 Jan 09 j 10:32	0°♍		
retrograde	-4123 Feb 21 j 20:32	9°♍28'13		
opposition	-4123 Mar 26 j 19:00	3°♍15'29	2°59'16	
greatest brilliancy	-4123 Mar 27 j 19:37	2°♍55'48	-2.4m	
min. Earth dist.	-4123 Apr 03 j 22:57	0°♍39'20	0.44706 AU	
	-4123 Apr 06 j 02:36	30°♌		
direct	-4123 May 01 j 20:28	25°♌44'35		
desc. node	-4123 May 14 j 16:41	26°♌52'02		
	-4123 May 27 j 12:17	0°♍		
	-4123 Jul 25 j 05:59	0°♎		
	-4123 Sep 07 j 02:23	0°♏		
	-4123 Oct 18 j 13:52	0°♐		
	-4123 Nov 29 j 03:13	0°♑		
	-4122 Jan 10 j 19:57	0°♒		
	-4122 Feb 24 j 02:38	0°♓		
asc. node	-4122 Mar 28 j 13:08	21°♓20'48		
evening set	-4122 Apr 03 j 00:09	24°♓53'50		
	-4122 Apr 10 j 21:07	0°♈		
conjunction	-4122 May 21 j 19:32	26°♈17'14	0°29'41	
minimum elong	-4122 May 21 j 18:31	26°♈15'36	0°29'45	
max. Earth dist.	-4122 May 25 j 04:06	28°♈25'53	2.66712 AU	
	-4122 May 27 j 15:04	0°♉		
morning rise	-4122 Jul 06 j 22:26	25°♉42'41		
	-4122 Jul 13 j 15:34	0°♊		
	-4122 Aug 29 j 09:08	0°♋		
	-4122 Oct 14 j 16:10	0°♌		
	-4122 Nov 29 j 20:19	0°♍		
	-4121 Jan 15 j 20:34	0°♎		
	-4121 Mar 08 j 04:09	0°♏		
desc. node	-4121 Apr 01 j 17:20	11°♏31'07		
retrograde	-4121 May 10 j 18:04	20°♏16'29		
min. Earth dist.	-4121 Jun 08 j 16:20	15°♏32'59	0.37804 AU	
opposition	-4121 Jun 10 j 15:20	15°♏01'17	-4°51'46	
greatest brilliancy	-4121 Jun 10 j 04:57	15°♏08'17	-2.9m	
direct	-4121 Jul 10 j 14:13	10°♏01'25		
	-4121 Sep 11 j 08:02	0°♐		
	-4121 Nov 01 j 12:13	0°♑		
	-4121 Dec 18 j 16:05	0°♒		
	-4120 Feb 03 j 12:24	0°♓		
asc. node	-4120 Feb 13 j 10:39	6°♓19'32		
	-4120 Mar 21 j 18:58	0°♈		
	-4120 May 08 j 06:39	0°♉		
evening set	-4120 May 11 j 19:14	2°♉13'55		
max. Earth dist.	-4120 Jun 16 j 23:44	25°♉16'29	2.66090 AU	
	-4120 Jun 24 j 08:19	0°♊		
conjunction	-4120 Jun 27 j 12:32	2°♊02'40	1°02'13	
minimum elong	-4120 Jun 27 j 11:26	2°♊00'55	1°02'23	
	-4120 Aug 09 j 08:46	0°♋		
morning rise	-4120 Aug 11 j 20:19	1°♋38'33		
	-4120 Sep 22 j 23:56	0°♌		
	-4120 Nov 05 j 05:45	0°♍		
	-4120 Dec 17 j 08:16	0°♎		
	-4119 Jan 27 j 19:02	0°♏		
desc. node	-4119 Feb 16 j 18:50	14°♏27'11		
	-4119 Mar 10 j 13:42	0°♐		
	-4119 Apr 24 j 03:04	0°♑		
	-4119 Jun 27 j 02:17	0°♒		
retrograde	-4119 Jul 13 j 08:22	1°♒50'01		
	-4119 Jul 29 j 03:26	30°℞♑		
min. Earth dist.	-4119 Aug 10 j 21:00	26°♑16'44	0.47113 AU	
greatest brilliancy	-4119 Aug 17 j 11:50	23°♑56'46	-2.3m	
opposition	-4119 Aug 18 j 22:23	23°♑26'06	-5°31'18	
direct	-4119 Sep 20 j 22:14	16°♑37'18		
	-4119 Nov 11 j 15:52	0°♒		
asc. node	-4119 Dec 31 j 09:15	25°♒16'29		
	-4118 Jan 08 j 19:13	0°♓		
	-4118 Mar 01 j 00:47	0°♈		
	-4118 Apr 19 j 06:45	0°♉		
	-4118 Jun 06 j 00:04	0°♊		
evening set	-4118 Jun 19 j 05:42	8°♊31'10		
max. Earth dist.	-4118 Jul 12 j 14:54	23°♊49'03	2.60183 AU	
	-4118 Jul 21 j 22:13	0°♋		
conjunction	-4118 Aug 05 j 12:17	9°♋48'34	1°10'16	
minimum elong	-4118 Aug 05 j 12:43	9°♋49'18	1°10'27	
	-4118 Sep 03 j 20:38	0°♌		
morning rise	-4118 Sep 22 j 11:49	13°♌08'29		
	-4118 Oct 15 j 21:33	0°♍		
	-4118 Nov 25 j 09:41	0°♎		
	-4117 Jan 03 j 22:15	0°♏		
desc. node	-4117 Jan 04 j 18:13	0°♏38'09		
	-4117 Feb 12 j 05:23	0°♐		
	-4117 Mar 24 j 07:38	0°♑		
	-4117 May 05 j 19:40	0°♒		
	-4117 Jun 23 j 18:53	0°♓		
retrograde	-4117 Aug 26 j 15:55	20°♓35'38		
min. Earth dist.	-4117 Sep 29 j 13:05	12°♓57'25	0.58924 AU	
opposition	-4117 Oct 05 j 03:02	10°♓45'06	-1°50'26	
greatest brilliancy	-4117 Oct 04 j 18:50	10°♓53'11	-1.7m	
direct	-4117 Nov 11 j 02:35	2°♓13'04		

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

asc. node	-4117 Nov 18 j 09:16	2°♓32'36	
	-4116 Feb 03 j 00:48	0°♈	
	-4116 Mar 28 j 09:12	0°♉	
	-4116 May 16 j 21:11	0°♊	
	-4116 Jul 02 j 07:37	0°♋	
evening set	-4116 Jul 29 j 19:01	18°♋37'40	
max. Earth dist.	-4116 Aug 14 j 05:44	29°♋23'48	2.49628 AU
	-4116 Aug 15 j 02:17	0°♌	
conjunction	-4116 Sep 19 j 05:03	25°♌17'51	0°41'19
minimum elong	-4116 Sep 19 j 06:57	25°♌21'21	0°41'25
	-4116 Sep 25 j 13:59	0°♍	
	-4116 Nov 04 j 08:02	0°♎	
morning rise	-4116 Nov 14 j 12:57	7°♎51'19	
desc. node	-4116 Nov 21 j 15:36	13°♎21'15	
	-4116 Dec 13 j 01:16	0°♏	
	-4115 Jan 20 j 13:15	0°♐	
	-4115 Feb 28 j 17:10	0°♑	
	-4115 Apr 10 j 12:17	0°♒	
	-4115 May 24 j 04:42	0°♓	
	-4115 Jul 12 j 10:21	0°♈	
retrograde	-4115 Oct 01 j 01:12	27°♈59'18	
asc. node	-4115 Oct 05 j 10:47	27°♈51'30	
min. Earth dist.	-4115 Nov 08 j 04:43	18°♈52'32	0.65911 AU
opposition	-4115 Nov 10 j 02:59	18°♈05'59	1°20'44
greatest brilliancy	-4115 Nov 10 j 00:02	18°♈08'56	-1.4m
direct	-4115 Dec 19 j 19:07	8°♈35'59	
	-4114 Mar 01 j 09:04	0°♉	
	-4114 Apr 25 j 15:05	0°♊	
	-4114 Jun 12 j 18:10	0°♋	
	-4114 Jul 26 j 23:17	0°♌	
	-4114 Sep 06 j 08:39	0°♍	
evening set	-4114 Sep 18 j 15:00	9°♍12'10	
desc. node	-4114 Oct 09 j 12:44	25°♍09'50	
	-4114 Oct 15 j 18:59	0°♎	
max. Earth dist.	-4114 Oct 29 j 05:32	10°♎27'16	2.38085 AU
conjunction	-4114 Nov 18 j 06:42	26°♎10'22	-0°27'56
minimum elong	-4114 Nov 18 j 04:25	26°♎05'53	0°27'58
	-4114 Nov 23 j 03:26	0°♏	
	-4114 Dec 31 j 07:53	0°♐	
morning rise	-4113 Jan 24 j 21:53	19°♐03'46	
	-4113 Feb 08 j 05:36	0°♑	
	-4113 Mar 20 j 15:57	0°♒	
	-4113 May 02 j 08:24	0°♓	
	-4113 Jun 17 j 01:40	0°♈	
	-4113 Aug 06 j 17:35	0°♉	
asc. node	-4113 Aug 23 j 11:44	8°♉49'10	
	-4113 Oct 18 j 10:11	0°♊	
retrograde	-4113 Nov 04 j 21:22	1°♊46'39	
	-4113 Nov 21 j 08:15	30°℞♉	
opposition	-4113 Dec 14 j 08:36	22°♉23'01	3°41'32
greatest brilliancy	-4113 Dec 14 j 12:34	22°♉19'04	-1.3m
min. Earth dist.	-4113 Dec 16 j 05:13	21°♉38'39	0.66738 AU
direct	-4112 Jan 24 j 09:42	12°♉25'03	
	-4112 Mar 26 j 22:40	0°♊	
	-4112 May 20 j 12:52	0°♋	
	-4112 Jul 05 j 12:04	0°♌	
	-4112 Aug 16 j 10:08	0°♍	
desc. node	-4112 Aug 26 j 10:22	7°♍27'48	
	-4112 Sep 24 j 23:01	0°♎	
	-4112 Nov 02 j 07:09	0°♏	
evening set	-4112 Nov 22 j 06:16	15°♏42'52	
	-4112 Dec 10 j 11:45	0°♐	
	-4111 Jan 18 j 11:08	0°♑	
conjunction	-4111 Jan 26 j 08:37	5°♑57'10	-1°07'47
minimum elong	-4111 Jan 26 j 08:57	5°♑57'47	1°07'59
	-4111 Feb 27 j 23:33	0°♒	
max. Earth dist.	-4111 Mar 14 j 05:29	10°♒12'42	2.46888 AU
morning rise	-4111 Mar 29 j 11:56	20°♒57'37	
	-4111 Apr 11 j 13:38	0°♓	
	-4111 May 26 j 11:39	0°♈	
asc. node	-4111 Jul 10 j 10:17	28°♈25'49	
	-4111 Jul 12 j 23:43	0°♉	
	-4111 Sep 02 j 06:44	0°♊	
	-4111 Nov 05 j 14:34	0°♋	
retrograde	-4111 Dec 12 j 01:40	6°♋49'57	
	-4110 Jan 14 j 10:25	30°℞♊	
opposition	-4110 Jan 18 j 20:36	28°♊19'41	5°03'05
greatest brilliancy	-4110 Jan 19 j 18:46	27°♊58'24	-1.6m
min. Earth dist.	-4110 Jan 24 j 12:22	26°♊09'38	0.61165 AU
direct	-4110 Feb 28 j 18:12	18°♊27'23	
	-4110 Apr 16 j 23:11	0°♋	
	-4110 Jun 11 j 00:53	0°♌	
desc. node	-4110 Jul 14 j 08:22	22°♌15'27	
	-4110 Jul 25 j 06:37	0°♍	
	-4110 Sep 03 j 17:34	0°♎	
	-4110 Oct 12 j 14:02	0°♏	
	-4110 Nov 20 j 04:57	0°♐	
	-4110 Dec 29 j 15:01	0°♑	
evening set	-4109 Jan 26 j 11:07	20°♑31'57	
	-4109 Feb 08 j 14:08	0°♒	
	-4109 Mar 23 j 12:27	0°♓	
conjunction	-4109 Mar 24 j 09:36	0°♓36'03	-0°36'12
minimum elong	-4109 Mar 24 j 11:17	0°♓38'56	0°36'17
max. Earth dist.	-4109 Apr 20 j 10:11	18°♓47'02	2.58568 AU
	-4109 May 07 j 10:29	0°♈	
morning rise	-4109 May 15 j 21:37	5°♈31'10	
asc. node	-4109 May 28 j 08:19	13°♈34'19	
	-4109 Jun 23 j 02:02	0°♉	
	-4109 Aug 10 j 05:47	0°♊	
	-4109 Sep 29 j 11:22	0°♋	
	-4109 Nov 24 j 14:58	0°♌	
retrograde	-4108 Jan 29 j 12:44	19°♌01'35	
opposition	-4108 Mar 04 j 05:32	12°♌00'52	4°25'51
greatest brilliancy	-4108 Mar 05 j 15:25	11°♌31'31	-2.1m
min. Earth dist.	-4108 Mar 12 j 17:21	9°♌05'11	0.49853 AU
direct	-4108 Apr 11 j 11:46	3°♌25'20	
desc. node	-4108 May 31 j 08:43	17°♌19'17	
	-4108 Jun 23 j 14:38	0°♍	
	-4108 Aug 08 j 00:33	0°♎	
	-4108 Sep 18 j 01:22	0°♏	
	-4108 Oct 28 j 02:45	0°♐	
	-4108 Dec 07 j 17:05	0°♑	
	-4107 Jan 18 j 16:33	0°♒	
	-4107 Mar 03 j 10:28	0°♓	
evening set	-4107 Mar 17 j 03:23	9°♓09'38	
asc. node	-4107 Apr 14 j 05:23	27°♓38'14	
	-4107 Apr 17 j 20:27	0°♈	
conjunction	-4107 May 06 j 12:33	12°♈05'08	0°12'38
minimum elong	-4107 May 06 j 12:03	12°♈04'19	0°12'39
behind sun begin	-4107 May 05 j 23:52	11°♈44'41	
behind sun end	-4107 May 07 j 00:14	12°♈23'56	
max. Earth dist.	-4107 May 15 j 18:39	18°♈02'20	2.65479 AU
	-4107 Jun 03 j 11:07	0°♉	
morning rise	-4107 Jun 22 j 18:07	12°♉17'35	
	-4107 Jul 20 j 15:01	0°♊	
	-4107 Sep 05 j 21:55	0°♋	
	-4107 Oct 23 j 10:34	0°♌	
	-4107 Dec 11 j 04:14	0°♍	
	-4106 Feb 02 j 20:01	0°♎	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

retrograde	-4106 Apr 08 j 22:09	19°♎48'38	
desc. node	-4106 Apr 18 j 10:54	19°♎14'49	
opposition	-4106 May 09 j 12:29	14°♎42'05	-1°33'19
greatest brilliancy	-4106 May 09 j 16:19	14°♎39'29	-2.9m
min. Earth dist.	-4106 May 13 j 00:33	13°♎44'59	0.38554 AU
direct	-4106 Jun 09 j 23:13	9°♎11'25	
	-4106 Aug 11 j 19:42	0°♏	
	-4106 Sep 29 j 13:16	0°♐	
	-4106 Nov 13 j 08:41	0°♑	
	-4106 Dec 27 j 23:53	0°♒	
	-4105 Feb 11 j 12:18	0°♓	
asc. node	-4105 Mar 02 j 01:27	12°♓01'43	
	-4105 Mar 30 j 01:04	0°♈	
evening set	-4105 Apr 27 j 19:09	18°♈19'25	
	-4105 May 16 j 03:56	0°♉	
max. Earth dist.	-4105 Jun 08 j 20:13	15°♉04'40	2.66977 AU
conjunction	-4105 Jun 14 j 00:23	18°♉22'53	0°51'59
minimum elong	-4105 Jun 13 j 23:06	18°♉20'51	0°52'07
	-4105 Jul 02 j 03:39	0°♊	
morning rise	-4105 Jul 29 j 06:52	17°♊31'59	
	-4105 Aug 17 j 08:50	0°♋	
	-4105 Oct 01 j 12:00	0°♌	
	-4105 Nov 14 j 13:42	0°♍	
	-4105 Dec 27 j 21:08	0°♎	
	-4104 Feb 09 j 01:19	0°♏	
desc. node	-4104 Mar 05 j 11:36	17°♏18'32	
	-4104 Mar 24 j 20:43	0°♐	
	-4104 May 19 j 09:21	0°♑	
retrograde	-4104 Jun 21 j 12:04	6°♑58'26	
min. Earth dist.	-4104 Jul 18 j 07:29	2°♑13'49	0.42277 AU
greatest brilliancy	-4104 Jul 24 j 06:34	0°♑20'41	-2.6m
opposition	-4104 Jul 25 j 20:18	29°♐50'31	-6°26'16
	-4104 Jul 25 j 08:25	30°℞♐	
direct	-4104 Aug 26 j 03:04	23°♐56'04	
	-4104 Sep 27 j 13:49	0°♑	
	-4104 Nov 29 j 00:30	0°♒	
asc. node	-4103 Jan 16 j 23:55	28°♒47'14	
	-4103 Jan 19 j 00:09	0°♓	
	-4103 Mar 09 j 03:19	0°♈	
	-4103 Apr 26 j 12:25	0°♉	
evening set	-4103 Jun 04 j 05:17	24°♉26'21	
	-4103 Jun 12 j 21:47	0°♊	
max. Earth dist.	-4103 Jul 02 j 03:28	12°♊26'17	2.63095 AU
conjunction	-4103 Jul 20 j 22:33	24°♊46'14	1°10'47
minimum elong	-4103 Jul 20 j 22:15	24°♊45'44	1°10'58
	-4103 Jul 28 j 19:39	0°♋	
morning rise	-4103 Sep 05 j 08:49	26°♋07'35	
	-4103 Sep 10 j 23:13	0°♌	
	-4103 Oct 23 j 09:09	0°♍	
	-4103 Dec 03 j 08:56	0°♎	
	-4102 Jan 12 j 10:32	0°♏	
desc. node	-4102 Jan 21 j 10:44	6°♏47'16	
	-4102 Feb 21 j 08:13	0°♐	
	-4102 Apr 03 j 07:17	0°♑	
	-4102 May 17 j 19:02	0°♒	
	-4102 Jul 17 j 19:39	0°♓	
retrograde	-4102 Aug 10 j 20:01	3°♓44'14	
	-4102 Sep 02 j 17:29	30°℞♒	
min. Earth dist.	-4102 Sep 11 j 17:03	26°♒50'54	0.54708 AU
opposition	-4102 Sep 18 j 13:28	24°♒12'39	-3°17'01
greatest brilliancy	-4102 Sep 17 j 19:40	24°♒29'47	-1.9m
direct	-4102 Oct 24 j 02:49	16°♒14'31	
asc. node	-4102 Dec 05 j 00:37	25°♒15'14	
	-4102 Dec 16 j 19:14	0°♓	
	-4101 Feb 14 j 00:01	0°♈	
	-4101 Apr 06 j 14:07	0°♉	
	-4101 May 25 j 04:48	0°♊	
	-4101 Jul 10 j 08:50	0°♋	
evening set	-4101 Jul 13 j 22:22	2°♋22'56	
max. Earth dist.	-4101 Jul 31 j 13:14	14°♋18'39	2.54225 AU
	-4101 Aug 23 j 04:09	0°♌	
conjunction	-4101 Sep 01 j 04:22	6°♌22'06	0°57'50
minimum elong	-4101 Sep 01 j 05:59	6°♌24'58	0°57'58
	-4101 Oct 03 j 20:05	0°♍	
morning rise	-4101 Oct 23 j 09:27	14°♍32'22	
	-4101 Nov 12 j 19:59	0°♎	
desc. node	-4101 Dec 09 j 09:28	20°♎23'50	
	-4101 Dec 21 j 19:13	0°♏	
	-4100 Jan 29 j 12:31	0°♐	
	-4100 Mar 08 j 21:52	0°♑	
	-4100 Apr 19 j 01:51	0°♒	
	-4100 Jun 02 j 18:12	0°♓	
	-4100 Jul 26 j 09:28	0°♈	
retrograde	-4100 Sep 17 j 09:05	14°♈21'52	
asc. node	-4100 Oct 22 j 01:26	6°♈32'25	
min. Earth dist.	-4100 Oct 24 j 00:14	5°♈45'52	0.63890 AU
opposition	-4100 Oct 27 j 09:31	4°♈24'17	0°12'37
greatest brilliancy	-4100 Oct 27 j 08:51	4°♈24'58	-1.5m
	-4100 Nov 08 j 00:51	30°℞♓	
direct	-4100 Dec 05 j 04:16	25°♓12'50	
	-4099 Jan 04 j 02:27	0°♈	
	-4099 Mar 12 j 23:07	0°♉	
	-4099 May 04 j 00:38	0°♊	
	-4099 Jun 20 j 07:06	0°♋	
	-4099 Aug 03 j 06:39	0°♌	
evening set	-4099 Aug 28 j 05:39	17°♌53'37	
	-4099 Sep 13 j 16:08	0°♍	
max. Earth dist.	-4099 Sep 16 j 05:02	1°♍53'25	2.42016 AU
conjunction	-4099 Oct 23 j 18:10	0°♎25'44	0°01'50
minimum elong	-4099 Oct 23 j 18:20	0°♎26'03	0°01'50
behind sun begin	-4099 Oct 22 j 16:58	29°♍37'08	
behind sun end	-4099 Oct 24 j 19:41	1°♎15'01	
	-4099 Oct 23 j 04:49	0°♎	
desc. node	-4099 Oct 26 j 06:41	2°♎22'41	
	-4099 Nov 30 j 15:57	0°♏	
morning rise	-4099 Dec 26 j 21:42	20°♏35'46	
	-4098 Jan 07 j 22:17	0°♐	
	-4098 Feb 15 j 21:00	0°♑	
	-4098 Mar 28 j 08:31	0°♒	
	-4098 May 10 j 05:34	0°♓	
	-4098 Jun 25 j 17:02	0°♈	
	-4098 Aug 18 j 15:41	0°♉	
asc. node	-4098 Sep 09 j 02:16	9°♉24'03	
retrograde	-4098 Oct 22 j 05:18	18°♉54'53	
opposition	-4098 Dec 01 j 01:34	9°♉16'52	2°53'01
greatest brilliancy	-4098 Dec 01 j 01:01	9°♉17'24	-1.3m
min. Earth dist.	-4098 Dec 01 j 10:28	9°♉07'57	0.67181 AU
	-4097 Jan 01 j 08:50	30°℞♈	
direct	-4097 Jan 10 j 17:57	29°♈26'29	
	-4097 Jan 20 j 10:53	0°♉	
	-4097 Apr 09 j 14:24	0°♊	
	-4097 May 30 j 10:53	0°♋	
	-4097 Jul 14 j 11:53	0°♌	
	-4097 Aug 25 j 02:49	0°♍	
desc. node	-4097 Sep 13 j 03:38	14°♍19'07	
	-4097 Oct 03 j 13:32	0°♎	
evening set	-4097 Oct 27 j 05:20	18°♎28'27	
	-4097 Nov 10 j 20:51	0°♏	
	-4097 Dec 19 j 00:25	0°♐	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

conjunction	-4097 Dec 31 j 15:02	9°♐49'05	-1°02'34
minimum elong	-4097 Dec 31 j 12:43	9°♐44'35	1°02'43
	-4096 Jan 26 j 22:06	0°♑	
max. Earth dist.	-4096 Feb 17 j 22:08	16°♑29'53	2.41697 AU
morning rise	-4096 Mar 06 j 17:51	29°♑33'38	
	-4096 Mar 07 j 08:24	0°♒	
	-4096 Apr 18 j 21:22	0°♓	
	-4096 Jun 02 j 23:03	0°♈	
	-4096 Jul 21 j 04:50	0°♉	
asc. node	-4096 Jul 27 j 02:21	3°♉29'34	
	-4096 Sep 13 j 10:23	0°♊	
retrograde	-4096 Nov 26 j 10:40	22°♊54'10	
opposition	-4095 Jan 04 j 01:11	13°♊59'34	4°40'07
greatest brilliancy	-4095 Jan 04 j 15:31	13°♊45'34	-1.4m
min. Earth dist.	-4095 Jan 08 j 05:38	12°♊21'31	0.64129 AU
direct	-4095 Feb 14 j 05:57	3°♊59'29	
	-4095 May 02 j 22:03	0°♋	
	-4095 Jun 21 j 04:55	0°♌	
desc. node	-4095 Jul 31 j 02:46	27°♌47'49	
	-4095 Aug 03 j 03:24	0°♍	
	-4095 Sep 12 j 02:02	0°♎	
	-4095 Oct 20 j 15:24	0°♏	
	-4095 Nov 28 j 00:19	0°♐	
evening set	-4094 Jan 02 j 17:40	27°♐23'54	
	-4094 Jan 06 j 04:28	0°♑	
	-4094 Feb 15 j 21:51	0°♒	
conjunction	-4094 Mar 04 j 05:08	11°♒37'20	-0°53'09
minimum elong	-4094 Mar 04 j 07:19	11°♒41'12	0°53'17
	-4094 Mar 30 j 15:22	0°♓	
max. Earth dist.	-4094 Apr 08 j 04:10	5°♓49'04	2.54497 AU
morning rise	-4094 Apr 28 j 23:22	19°♓46'48	
	-4094 May 14 j 11:31	0°♈	
asc. node	-4094 Jun 13 j 23:48	19°♈41'10	
	-4094 Jun 30 j 07:31	0°♉	
	-4094 Aug 18 j 06:10	0°♊	
	-4094 Oct 10 j 00:42	0°♋	
	-4094 Dec 24 j 09:00	0°♌	
retrograde	-4093 Jan 08 j 17:38	1°♌22'14	
	-4093 Jan 23 j 10:58	30°℞♋	
opposition	-4093 Feb 13 j 21:08	23°♋40'28	5°02'53
greatest brilliancy	-4093 Feb 15 j 05:43	23°♋10'42	-1.8m
min. Earth dist.	-4093 Feb 21 j 13:56	20°♋52'16	0.54855 AU
direct	-4093 Mar 25 j 14:52	14°♋21'44	
	-4093 May 19 j 02:42	0°♌	
desc. node	-4093 Jun 18 j 02:32	16°♌48'49	
	-4093 Jul 08 j 13:18	0°♍	
	-4093 Aug 19 j 20:36	0°♎	
	-4093 Sep 28 j 15:17	0°♏	
	-4093 Nov 06 j 21:38	0°♐	
	-4093 Dec 16 j 20:55	0°♑	
	-4092 Jan 27 j 07:51	0°♒	
evening set	-4092 Feb 27 j 21:39	21°♒59'36	
	-4092 Mar 10 j 15:42	0°♓	
conjunction	-4092 Apr 20 j 09:33	27°♓07'15	-0°06'02
minimum elong	-4092 Apr 20 j 09:48	27°♓07'39	0°06'04
behind sun begin	-4092 Apr 19 j 14:14	26°♓35'38	
behind sun end	-4092 Apr 21 j 05:21	27°♓39'40	
	-4092 Apr 24 j 19:11	0°♈	
asc. node	-4092 Apr 30 j 20:53	3°♈57'27	
max. Earth dist.	-4092 May 06 j 04:17	7°♈24'17	2.63397 AU
morning rise	-4092 Jun 08 j 05:43	28°♈39'26	
	-4092 Jun 10 j 08:15	0°♉	
	-4092 Jul 27 j 18:08	0°♊	
	-4092 Sep 13 j 20:05	0°♋	
	-4092 Nov 02 j 06:02	0°♌	
	-4092 Dec 26 j 04:04	0°♍	
retrograde	-4091 Mar 09 j 08:17	23°♍06'00	
opposition	-4091 Apr 10 j 08:17	17°♍20'40	1°39'31
greatest brilliancy	-4091 Apr 10 j 21:24	17°♍10'44	-2.6m
min. Earth dist.	-4091 Apr 17 j 11:44	15°♍11'18	0.42070 AU
desc. node	-4091 May 05 j 02:43	11°♍12'42	
direct	-4091 May 14 j 19:03	10°♍33'40	
	-4091 Jul 13 j 09:46	0°♎	
	-4091 Aug 30 j 03:09	0°♏	
	-4091 Oct 12 j 00:31	0°♐	
	-4091 Nov 23 j 08:48	0°♑	
	-4090 Jan 05 j 13:52	0°♒	
	-4090 Feb 19 j 04:36	0°♓	
asc. node	-4090 Mar 18 j 18:33	18°♓05'16	
	-4090 Apr 06 j 04:04	0°♈	
evening set	-4090 Apr 12 j 05:38	3°♈54'26	
	-4090 May 23 j 00:19	0°♉	
conjunction	-4090 May 30 j 08:49	4°♉41'26	0°38'38
minimum elong	-4090 May 30 j 07:37	4°♉39'31	0°38'44
max. Earth dist.	-4090 May 30 j 14:37	4°♉50'41	2.67033 AU
	-4090 Jul 08 j 23:56	0°♊	
morning rise	-4090 Jul 15 j 01:34	3°♊53'21	
	-4090 Aug 24 j 12:32	0°♋	
	-4090 Oct 09 j 08:10	0°♌	
	-4090 Nov 23 j 14:28	0°♍	
	-4089 Jan 07 j 20:37	0°♎	
	-4089 Feb 23 j 13:53	0°♏	
desc. node	-4089 Mar 23 j 04:18	16°♏11'30	
	-4089 Apr 20 j 18:16	0°♐	
retrograde	-4089 May 27 j 10:11	8°♐06'03	
min. Earth dist.	-4089 Jun 23 j 14:47	3°♐39'35	0.38718 AU
greatest brilliancy	-4089 Jun 27 j 07:42	2°♐37'08	-2.8m
opposition	-4089 Jun 28 j 08:09	2°♐19'55	-6°01'15
	-4089 Jul 07 j 01:50	30°℞♏	
direct	-4089 Jul 28 j 05:41	27°♏11'10	
	-4089 Aug 18 j 14:32	0°♐	
	-4089 Oct 23 j 09:27	0°♑	
	-4089 Dec 12 j 02:43	0°♒	
	-4088 Jan 29 j 00:30	0°♓	
asc. node	-4088 Feb 03 j 15:59	3°♓32'39	
	-4088 Mar 16 j 19:53	0°♈	
	-4088 May 03 j 14:04	0°♉	
evening set	-4088 May 20 j 08:28	10°♉36'05	
	-4088 Jun 19 j 18:00	0°♊	
max. Earth dist.	-4088 Jun 22 j 12:09	1°♊46'24	2.65235 AU
conjunction	-4088 Jul 05 j 23:09	10°♊28'32	1°06'33
minimum elong	-4088 Jul 05 j 22:16	10°♊27'08	1°06'43
	-4088 Aug 04 j 17:26	0°♋	
morning rise	-4088 Aug 20 j 12:47	10°♋32'42	
	-4088 Sep 18 j 04:19	0°♌	
	-4088 Oct 31 j 02:35	0°♍	
	-4088 Dec 11 j 18:25	0°♎	
	-4087 Jan 21 j 15:06	0°♏	
desc. node	-4087 Feb 07 j 04:32	12°♏12'03	
	-4087 Mar 03 j 12:33	0°♐	
	-4087 Apr 15 j 04:09	0°♑	
	-4087 Jun 04 j 03:25	0°♒	
retrograde	-4087 Jul 24 j 07:09	14°♒30'38	
min. Earth dist.	-4087 Aug 23 j 00:24	8°♒28'16	0.49879 AU
opposition	-4087 Aug 30 j 19:52	5°♒36'08	-4°45'17
greatest brilliancy	-4087 Aug 29 j 14:48	6°♒02'53	-2.2m
	-4087 Sep 18 j 03:51	30°℞♑	
direct	-4087 Oct 03 j 17:53	28°♑20'25	
	-4087 Oct 20 j 06:56	0°♒	
asc. node	-4087 Dec 21 j 15:22	24°♒26'41	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-4086 Jan 01 j 06:05	0°♓	
	-4086 Feb 23 j 08:59	0°♈	
	-4086 Apr 14 j 07:33	0°♉	
	-4086 Jun 01 j 07:43	0°♊	
evening set	-4086 Jun 28 j 01:00	17°♊15'16	
	-4086 Jul 17 j 08:00	0°♋	
max. Earth dist.	-4086 Jul 19 j 01:44	1°♋09'43	2.58229 AU
conjunction	-4086 Aug 14 j 20:37	19°♋19'59	1°07'29
minimum elong	-4086 Aug 14 j 21:31	19°♋21'32	1°07'39
	-4086 Aug 30 j 05:25	0°♌	
morning rise	-4086 Oct 03 j 02:01	24°♌08'21	
	-4086 Oct 11 j 03:05	0°♍	
	-4086 Nov 20 j 10:35	0°♎	
desc. node	-4086 Dec 26 j 02:36	27°♎12'10	
	-4086 Dec 29 j 17:59	0°♏	
	-4085 Feb 06 j 19:16	0°♐	
	-4085 Mar 18 j 13:41	0°♑	
	-4085 Apr 29 j 09:49	0°♒	
	-4085 Jun 15 j 01:39	0°♓	
retrograde	-4085 Sep 04 j 03:47	29°♓50'43	
min. Earth dist.	-4085 Oct 09 j 02:00	21°♓50'33	0.60934 AU
opposition	-4085 Oct 13 j 21:39	19°♓55'28	-1°03'18
greatest brilliancy	-4085 Oct 13 j 17:38	19°♓59'28	-1.6m
asc. node	-4085 Nov 08 j 16:27	12°♓03'31	
direct	-4085 Nov 20 j 14:14	11°♓07'47	
	-4084 Jan 25 j 12:18	0°♈	
	-4084 Mar 22 j 15:01	0°♉	
	-4084 May 11 j 21:24	0°♊	
	-4084 Jun 27 j 14:44	0°♋	
evening set	-4084 Aug 08 j 22:40	28°♋55'15	
	-4084 Aug 10 j 11:29	0°♌	
max. Earth dist.	-4084 Aug 24 j 00:14	9°♌37'13	2.46919 AU
	-4084 Sep 20 j 22:38	0°♍	
conjunction	-4084 Sep 30 j 22:42	7°♍27'28	0°28'44
minimum elong	-4084 Oct 01 j 00:20	7°♍30'33	0°28'48
	-4084 Oct 30 j 14:42	0°♎	
desc. node	-4084 Nov 12 j 01:25	9°♎36'35	
morning rise	-4084 Nov 29 j 00:57	22°♎49'21	
	-4084 Dec 08 j 05:26	0°♏	
	-4083 Jan 15 j 14:40	0°♐	
	-4083 Feb 23 j 15:40	0°♑	
	-4083 Apr 05 j 06:31	0°♒	
	-4083 May 18 j 12:44	0°♓	
	-4083 Jul 05 j 08:38	0°♈	
	-4083 Sep 05 j 20:28	0°♉	
asc. node	-4083 Sep 25 j 17:03	4°♉56'02	
retrograde	-4083 Oct 08 j 18:53	5°♉59'27	
	-4083 Nov 08 j 01:40	30°℞♈	
opposition	-4083 Nov 17 j 20:12	26°♈10'35	1°56'52
min. Earth dist.	-4083 Nov 16 j 17:40	26°♈37'14	0.66647 AU
greatest brilliancy	-4083 Nov 17 j 17:21	26°♈13'27	-1.4m
direct	-4083 Dec 27 j 22:31	16°♈32'09	
	-4082 Feb 19 j 22:22	0°♉	
	-4082 Apr 19 j 17:07	0°♊	
	-4082 Jun 07 j 15:44	0°♋	
	-4082 Jul 22 j 03:46	0°♌	
	-4082 Sep 01 j 15:27	0°♍	
desc. node	-4082 Sep 29 j 22:53	21°♍24'49	
evening set	-4082 Oct 01 j 18:32	22°♍48'38	
	-4082 Oct 11 j 02:07	0°♎	
	-4082 Nov 18 j 10:07	0°♏	
conjunction	-4082 Dec 03 j 14:44	11°♏58'17	-0°43'19
minimum elong	-4082 Dec 03 j 11:33	11°♏51'59	0°43'23
max. Earth dist.	-4082 Dec 22 j 13:30	26°♏51'41	2.37741 AU

	-4082 Dec 26 j 13:43	0°♐	
	-4081 Feb 03 j 10:27	0°♑	
morning rise	-4081 Feb 09 j 18:23	4°♑47'32	
	-4081 Mar 15 j 19:34	0°♒	
	-4081 Apr 27 j 08:54	0°♓	
	-4081 Jun 11 j 17:47	0°♈	
	-4081 Jul 31 j 04:47	0°♉	
asc. node	-4081 Aug 13 j 16:30	7°♉31'38	
	-4081 Sep 29 j 21:06	0°♊	
retrograde	-4081 Nov 12 j 22:01	9°♊40'00	
opposition	-4081 Dec 22 j 03:24	0°♊25'41	4°05'46
greatest brilliancy	-4081 Dec 22 j 10:42	0°♊18'28	-1.4m
	-4081 Dec 23 j 05:21	30°℞♉	
min. Earth dist.	-4081 Dec 24 j 20:05	29°♉21'44	0.66087 AU
direct	-4080 Feb 01 j 07:51	20°♉25'24	
	-4080 Mar 15 j 22:49	0°♊	
	-4080 May 14 j 06:01	0°♋	
	-4080 Jun 30 j 03:17	0°♌	
	-4080 Aug 11 j 09:03	0°♍	
desc. node	-4080 Aug 16 j 19:49	4°♍01'55	
	-4080 Sep 20 j 01:09	0°♎	
	-4080 Oct 28 j 10:59	0°♏	
greatest brilliancy	-4080 Nov 10 j 08:05	10°♏07'50	1.2m
	-4080 Dec 05 j 16:39	0°♐	
evening set	-4080 Dec 07 j 13:39	1°♐27'40	
	-4079 Jan 13 j 16:57	0°♑	
conjunction	-4079 Feb 09 j 09:38	19°♑54'17	-1°05'01
minimum elong	-4079 Feb 09 j 11:07	19°♑57'02	1°05'12
	-4079 Feb 23 j 06:09	0°♒	
max. Earth dist.	-4079 Mar 24 j 09:29	20°♒41'43	2.49715 AU
	-4079 Apr 06 j 20:03	0°♓	
morning rise	-4079 Apr 10 j 04:07	2°♓17'10	
	-4079 May 21 j 15:50	0°♈	
asc. node	-4079 Jun 30 j 15:57	25°♈33'12	
	-4079 Jul 07 j 19:33	0°♉	
	-4079 Aug 26 j 23:37	0°♊	
	-4079 Oct 23 j 17:22	0°♋	
retrograde	-4079 Dec 21 j 13:34	15°♋39'00	
opposition	-4078 Jan 27 j 20:25	7°♋24'09	5°08'53
greatest brilliancy	-4078 Jan 28 j 22:50	6°♋59'09	-1.6m
min. Earth dist.	-4078 Feb 03 j 07:24	4°♋57'57	0.59157 AU
	-4078 Feb 18 j 18:48	30°℞♊	
direct	-4078 Mar 09 j 11:40	27°♊40'04	
	-4078 Mar 29 j 02:00	0°♋	
	-4078 Jun 03 j 16:15	0°♌	
desc. node	-4078 Jul 04 j 18:42	19°♌57'30	
	-4078 Jul 19 j 07:17	0°♍	
	-4078 Aug 29 j 05:59	0°♎	
	-4078 Oct 07 j 08:36	0°♏	
	-4078 Nov 15 j 03:34	0°♐	
	-4078 Dec 24 j 16:58	0°♑	
	-4077 Feb 03 j 19:08	0°♒	
evening set	-4077 Feb 07 j 19:45	2°♒52'07	
	-4077 Mar 18 j 19:36	0°♓	
conjunction	-4077 Apr 04 j 00:19	10°♓56'57	-0°25'19
minimum elong	-4077 Apr 04 j 01:30	10°♓58'56	0°25'23
max. Earth dist.	-4077 Apr 26 j 20:56	26°♓07'45	2.60509 AU
	-4077 May 02 j 18:31	0°♈	
asc. node	-4077 May 18 j 13:47	10°♈17'11	
morning rise	-4077 May 25 j 00:50	14°♈27'27	
	-4077 Jun 18 j 07:52	0°♉	
	-4077 Aug 05 j 03:14	0°♊	
	-4077 Sep 23 j 09:18	0°♋	
	-4077 Nov 15 j 02:14	0°♌	
	-4076 Feb 01 j 08:08	0°♍	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

retrograde	-4076 Feb 11 j 19:39	0°♍38'46				-4071 Mar 03 j 20:03	0°♈		
	-4076 Feb 21 j 22:47	30°℞♌				-4071 Apr 21 j 16:29	0°♉		
opposition	-4076 Mar 16 j 13:10	24°♌03'47	3°43'25			-4071 Jun 08 j 06:40	0°♊		
greatest brilliancy	-4076 Mar 17 j 19:23	23°♌38'37	-2.3m		evening set	-4071 Jun 12 j 18:55	2°♊53'37		
min. Earth dist.	-4076 Mar 25 j 00:34	21°♌15'04	0.46999 AU		max. Earth dist.	-4071 Jul 08 j 03:09	19°♊21'07	2.61587 AU	
direct	-4076 Apr 22 j 16:53	16°♌00'53				-4071 Jul 24 j 05:39	0°♋		
desc. node	-4076 May 21 j 19:38	21°♌21'24							
	-4076 Jun 11 j 06:26	0°♍			conjunction	-4071 Jul 29 j 17:44	3°♋40'37	1°11'05	
	-4076 Jul 31 j 05:28	0°♎			minimum elong	-4071 Jul 29 j 17:51	3°♋40'48	1°11'17	
	-4076 Sep 11 j 13:34	0°♏				-4071 Sep 06 j 07:17	0°♌		
	-4076 Oct 22 j 07:10	0°♐			morning rise	-4071 Sep 14 j 22:16	6°♌01'31		
	-4076 Dec 02 j 08:05	0°♑				-4071 Oct 18 j 13:04	0°♍		
	-4075 Jan 13 j 15:24	0°♒				-4071 Nov 28 j 06:41	0°♎		
	-4075 Feb 26 j 14:46	0°♓				-4070 Jan 07 j 00:59	0°♏		
evening set	-4075 Mar 26 j 22:12	18°♓44'43			desc. node	-4070 Jan 11 j 21:25	3°♏41'11		
asc. node	-4075 Apr 04 j 10:17	24°♓18'16				-4070 Feb 15 j 13:34	0°♐		
	-4075 Apr 13 j 04:24	0°♈				-4070 Mar 27 j 22:28	0°♑		
						-4070 May 10 j 00:37	0°♒		
conjunction	-4075 May 15 j 09:03	20°♈44'53	0°22'47			-4070 Jun 30 j 13:44	0°♓		
minimum elong	-4075 May 15 j 08:12	20°♈43'32	0°22'49		retrograde	-4070 Aug 20 j 01:52	14°♓02'58		
max. Earth dist.	-4075 May 21 j 06:40	24°♈31'36	2.66264 AU		min. Earth dist.	-4070 Sep 22 j 02:07	6°♓44'15	0.57132 AU	
	-4075 May 29 j 20:13	0°♉			opposition	-4070 Sep 28 j 06:35	4°♓19'08	-2°26'22	
morning rise	-4075 Jun 30 j 22:36	20°♉27'44			greatest brilliancy	-4070 Sep 27 j 18:36	4°♓30'50	-1.8m	
	-4075 Jul 15 j 21:51	0°♊				-4070 Oct 10 j 05:00	30°℞♒		
	-4075 Aug 31 j 20:59	0°♋			direct	-4070 Nov 03 j 16:09	26°♒01'09		
	-4075 Oct 17 j 15:42	0°♌			asc. node	-4070 Nov 25 j 06:04	28°♒42'17		
	-4075 Dec 03 j 18:28	0°♍				-4070 Nov 30 j 08:28	0°♓		
	-4074 Jan 21 j 19:47	0°♎				-4069 Feb 07 j 03:48	0°♈		
	-4074 Mar 22 j 14:43	0°♏				-4069 Apr 01 j 05:11	0°♉		
desc. node	-4074 Apr 08 j 19:51	5°♏05'08				-4069 May 20 j 08:20	0°♊		
retrograde	-4074 Apr 27 j 01:10	7°♏07'22				-4069 Jul 05 j 17:09	0°♋		
opposition	-4074 May 27 j 11:50	2°♏03'51	-3°32'59		evening set	-4069 Jul 23 j 09:53	11°♋54'44		
greatest brilliancy	-4074 May 27 j 11:11	2°♏04'17	-2.9m		max. Earth dist.	-4069 Aug 08 j 12:40	22°♋59'38	2.51749 AU	
min. Earth dist.	-4074 May 28 j 00:53	1°♏55'09	0.37751 AU			-4069 Aug 18 j 13:15	0°♌		
	-4074 Jun 04 j 10:36	30°℞♎							
direct	-4074 Jun 26 j 21:29	26°♎57'54			conjunction	-4069 Sep 11 j 17:55	17°♌16'06	0°49'14	
	-4074 Jul 18 j 16:43	0°♏			minimum elong	-4069 Sep 11 j 19:47	17°♌19'28	0°49'20	
	-4074 Sep 19 j 19:56	0°♐				-4069 Sep 29 j 03:55	0°♍		
	-4074 Nov 06 j 07:54	0°♑			morning rise	-4069 Nov 05 j 02:11	27°♍44'26		
	-4074 Dec 22 j 03:57	0°♒				-4069 Nov 08 j 01:11	0°♎		
	-4073 Feb 06 j 07:45	0°♓			desc. node	-4069 Nov 29 j 19:02	16°♎43'51		
asc. node	-4073 Feb 20 j 07:38	8°♓59'53				-4069 Dec 16 j 21:25	0°♏		
	-4073 Mar 25 j 05:19	0°♈				-4068 Jan 24 j 11:30	0°♐		
evening set	-4073 May 06 j 10:52	26°♈46'56				-4068 Mar 03 j 16:46	0°♑		
	-4073 May 11 j 12:40	0°♉				-4068 Apr 13 j 13:58	0°♒		
max. Earth dist.	-4073 Jun 14 j 05:33	21°♉27'04	2.66590 AU			-4068 May 27 j 12:37	0°♓		
						-4068 Jul 16 j 23:28	0°♈		
conjunction	-4073 Jun 22 j 08:02	26°♉38'29	0°58'20		retrograde	-4068 Sep 25 j 06:49	22°♈42'28		
minimum elong	-4073 Jun 22 j 06:50	26°♉36'33	0°58'28		asc. node	-4068 Oct 12 j 07:12	20°♈43'59		
	-4073 Jun 27 j 13:33	0°♊			min. Earth dist.	-4068 Nov 01 j 19:06	13°♈48'53	0.65125 AU	
morning rise	-4073 Aug 06 j 13:47	25°♊58'33			opposition	-4068 Nov 04 j 08:58	12°♈46'43	0°53'16	
	-4073 Aug 12 j 16:37	0°♋			greatest brilliancy	-4068 Nov 04 j 06:31	12°♈49'10	-1.5m	
	-4073 Sep 26 j 13:23	0°♌			direct	-4068 Dec 13 j 16:34	3°♈24'21		
	-4073 Nov 09 j 03:59	0°♍				-4067 Mar 05 j 18:58	0°♉		
	-4073 Dec 21 j 18:13	0°♎				-4067 Apr 28 j 13:58	0°♊		
	-4072 Feb 01 j 20:32	0°♏				-4067 Jun 15 j 09:20	0°♋		
desc. node	-4072 Feb 24 j 21:10	16°♏18'18				-4067 Jul 29 j 13:19	0°♌		
	-4072 Mar 15 j 14:29	0°♐				-4067 Sep 08 j 23:52	0°♍		
	-4072 May 01 j 14:57	0°♑			evening set	-4067 Sep 09 j 01:18	0°♍02'40		
retrograde	-4072 Jul 04 j 08:03	22°♑00'43			max. Earth dist.	-4067 Oct 06 j 03:56	20°♍30'50	2.39574 AU	
min. Earth dist.	-4072 Aug 01 j 00:24	16°♑50'28	0.44882 AU		desc. node	-4067 Oct 16 j 16:06	28°♍35'33		
greatest brilliancy	-4072 Aug 07 j 11:17	14°♑39'32	-2.4m			-4067 Oct 18 j 11:49	0°♎		
opposition	-4072 Aug 09 j 00:45	14°♑07'36	-6°01'09						
direct	-4072 Sep 10 j 05:48	7°♑42'35			conjunction	-4067 Nov 06 j 20:02	15°♎02'35	-0°15'07	
	-4072 Nov 19 j 09:30	0°♒			minimum elong	-4067 Nov 06 j 18:48	15°♎00'10	0°15'09	
asc. node	-4071 Jan 07 j 06:12	26°♒52'31			behind sun begin	-4067 Nov 06 j 08:45	14°♎40'32		
	-4071 Jan 12 j 14:53	0°♓			behind sun end	-4067 Nov 07 j 04:52	15°♎19'49		

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-4067 Nov 25 j 21:41	0°♏	
	-4066 Jan 03 j 02:40	0°♐	
morning rise	-4066 Jan 12 j 06:35	7°♐08'34	
	-4066 Feb 10 j 23:57	0°♑	
	-4066 Mar 23 j 09:37	0°♒	
	-4066 May 05 j 02:05	0°♓	
	-4066 Jun 20 j 00:04	0°♈	
	-4066 Aug 10 j 15:01	0°♉	
asc. node	-4066 Aug 30 j 08:25	9°♉49'09	
retrograde	-4066 Oct 30 j 00:39	26°♉44'24	
opposition	-4066 Dec 08 j 16:56	17°♉14'01	3°22'09
greatest brilliancy	-4066 Dec 08 j 18:41	17°♉12'17	-1.3m
min. Earth dist.	-4066 Dec 09 j 21:50	16°♉45'13	0.67062 AU
direct	-4065 Jan 18 j 15:19	7°♉18'53	
	-4065 Apr 01 j 22:58	0°♊	
	-4065 May 24 j 19:18	0°♋	
	-4065 Jul 09 j 09:54	0°♌	
	-4065 Aug 20 j 06:03	0°♍	
desc. node	-4065 Sep 03 j 13:47	10°♍43'01	
	-4065 Sep 28 j 18:35	0°♎	
	-4065 Nov 06 j 02:32	0°♏	
evening set	-4065 Nov 11 j 08:13	4°♏07'34	
	-4065 Dec 14 j 06:15	0°♐	
conjunction	-4064 Jan 15 j 23:07	25°♐17'03	-1°07'13
minimum elong	-4064 Jan 15 j 22:19	25°♐15'31	1°07'23
	-4064 Jan 22 j 03:52	0°♑	
	-4064 Mar 02 j 14:08	0°♒	
max. Earth dist.	-4064 Mar 04 j 23:28	1°♒43'42	2.44538 AU
morning rise	-4064 Mar 20 j 00:26	12°♒29'52	
	-4064 Apr 14 j 02:08	0°♓	
	-4064 May 29 j 00:00	0°♈	
	-4064 Jul 15 j 16:58	0°♉	
asc. node	-4064 Jul 17 j 07:32	0°♉58'26	
	-4064 Sep 05 j 22:06	0°♊	
	-4064 Nov 20 j 17:55	0°♋	
retrograde	-4064 Dec 05 j 05:27	1°♋13'30	
	-4064 Dec 19 j 01:08	30°℞♊	
opposition	-4063 Jan 12 j 10:13	22°♊31'47	4°54'41
greatest brilliancy	-4063 Jan 13 j 04:52	22°♊13'44	-1.5m
min. Earth dist.	-4063 Jan 17 j 10:50	20°♊35'18	0.62611 AU
direct	-4063 Feb 22 j 12:32	12°♊35'01	
	-4063 Apr 23 j 21:28	0°♋	
	-4063 Jun 14 j 23:24	0°♌	
desc. node	-4063 Jul 21 j 11:54	24°♌52'04	
	-4063 Jul 28 j 15:42	0°♍	
	-4063 Sep 06 j 21:33	0°♎	
	-4063 Oct 15 j 14:58	0°♏	
	-4063 Nov 23 j 02:44	0°♐	
	-4062 Jan 01 j 09:06	0°♑	
evening set	-4062 Jan 16 j 11:12	11°♑14'50	
	-4062 Feb 11 j 04:25	0°♒	
conjunction	-4062 Mar 15 j 23:01	23°♒06'46	-0°43'48
minimum elong	-4062 Mar 16 j 01:00	23°♒10'13	0°43'53
	-4062 Mar 25 j 23:06	0°♓	
max. Earth dist.	-4062 Apr 15 j 11:50	13°♓54'12	2.56835 AU
morning rise	-4062 May 08 j 19:56	29°♓22'14	
	-4062 May 09 j 18:59	0°♈	
asc. node	-4062 Jun 04 j 05:39	16°♈29'32	
	-4062 Jun 25 j 11:05	0°♉	
	-4062 Aug 12 j 21:16	0°♊	
	-4062 Oct 02 j 23:44	0°♋	
	-4062 Dec 02 j 02:37	0°♌	
retrograde	-4061 Jan 20 j 04:03	11°♌33'33	
opposition	-4061 Feb 24 j 13:12	4°♌13'38	4°45'59
greatest brilliancy	-4061 Feb 25 j 23:25	3°♌43'12	-2.0m
min. Earth dist.	-4061 Mar 04 j 18:44	1°♌18'36	0.52139 AU
	-4061 Mar 08 j 16:19	30°℞♋	
direct	-4061 Apr 04 j 13:36	25°♋16'09	
	-4061 May 02 j 06:55	0°♌	
desc. node	-4061 Jun 08 j 11:38	16°♌46'11	
	-4061 Jun 30 j 14:56	0°♍	
	-4061 Aug 13 j 09:48	0°♎	
	-4061 Sep 22 j 19:31	0°♏	
	-4061 Nov 01 j 11:16	0°♐	
	-4061 Dec 11 j 17:26	0°♑	
	-4060 Jan 22 j 09:59	0°♒	
	-4060 Mar 05 j 21:58	0°♓	
evening set	-4060 Mar 09 j 12:04	2°♓25'10	
	-4060 Apr 20 j 03:58	0°♈	
asc. node	-4060 Apr 21 j 02:55	0°♈37'25	
conjunction	-4060 Apr 29 j 17:53	6°♈13'51	0°04'58
minimum elong	-4060 Apr 29 j 17:41	6°♈13'33	0°04'58
behind sun begin	-4060 Apr 28 j 22:03	5°♈41'44	
behind sun end	-4060 Apr 30 j 13:18	6°♈45'20	
max. Earth dist.	-4060 May 11 j 21:35	14°♈05'22	2.64650 AU
	-4060 Jun 05 j 17:00	0°♉	
morning rise	-4060 Jun 16 j 14:58	6°♉57'23	
	-4060 Jul 22 j 23:01	0°♊	
	-4060 Sep 08 j 13:29	0°♋	
	-4060 Oct 26 j 19:08	0°♌	
	-4060 Dec 16 j 05:46	0°♍	
	-4059 Feb 15 j 07:06	0°♎	
retrograde	-4059 Mar 26 j 01:30	7°♎59'59	
desc. node	-4059 Apr 25 j 13:44	2°♎50'35	
opposition	-4059 Apr 26 j 05:21	2°♎39'30	-0°02'48
greatest brilliancy	-4059 Apr 26 j 05:38	2°♎39'18	-2.8m
min. Earth dist.	-4059 May 01 j 16:53	1°♎06'24	0.39852 AU
	-4059 May 05 j 19:12	30°℞♍	
direct	-4059 May 28 j 22:21	26°♍37'31	
	-4059 Jun 20 j 18:50	0°♎	
	-4059 Aug 20 j 10:41	0°♏	
	-4059 Oct 04 j 18:10	0°♐	
	-4059 Nov 17 j 05:48	0°♑	
	-4059 Dec 31 j 03:07	0°♒	
	-4058 Feb 14 j 04:09	0°♓	
asc. node	-4058 Mar 08 j 23:05	14°♓52'03	
	-4058 Apr 01 j 10:04	0°♈	
evening set	-4058 Apr 21 j 05:51	12°♈41'34	
	-4058 May 18 j 09:28	0°♉	
max. Earth dist.	-4058 Jun 04 j 23:31	11°♉12'09	2.67116 AU
conjunction	-4058 Jun 07 j 19:16	13°♉00'11	0°46'44
minimum elong	-4058 Jun 07 j 17:59	12°♉58'09	0°46'50
	-4058 Jul 04 j 09:11	0°♊	
morning rise	-4058 Jul 23 j 04:47	12°♊06'35	
	-4058 Aug 19 j 17:53	0°♋	
	-4058 Oct 04 j 04:17	0°♌	
	-4058 Nov 17 j 18:02	0°♍	
	-4058 Dec 31 j 19:21	0°♎	
	-4057 Feb 14 j 04:33	0°♏	
desc. node	-4057 Mar 13 j 14:41	17°♏49'08	
	-4057 Apr 02 j 16:03	0°♐	
retrograde	-4057 Jun 11 j 18:11	25°♐13'07	
min. Earth dist.	-4057 Jul 08 j 08:03	20°♐42'11	0.40442 AU
opposition	-4057 Jul 14 j 22:31	18°♐43'32	-6°29'13
greatest brilliancy	-4057 Jul 13 j 12:28	19°♐09'13	-2.7m
direct	-4057 Aug 14 j 12:08	13°♐12'19	
	-4057 Oct 11 j 09:01	0°♑	
	-4057 Dec 04 j 20:40	0°♒	
	-4056 Jan 23 j 06:22	0°♓	
asc. node	-4056 Jan 24 j 21:05	0°♓59'38	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-4056 Mar 11 j 18:02	0°♈	
	-4056 Apr 28 j 20:09	0°♉	
evening set	-4056 May 28 j 21:14	18°♉58'19	
	-4056 Jun 15 j 03:31	0°♊	
max. Earth dist.	-4056 Jun 28 j 03:18	8°♊22'35	2.64159 AU
conjunction	-4056 Jul 14 j 11:43	19°♊01'43	1°09'31
minimum elong	-4056 Jul 14 j 11:09	19°♊00'47	1°09'42
	-4056 Jul 31 j 02:52	0°♋	
morning rise	-4056 Aug 29 j 10:50	19°♋43'35	
	-4056 Sep 13 j 10:22	0°♌	
	-4056 Oct 26 j 02:24	0°♍	
	-4056 Dec 06 j 09:20	0°♎	
	-4055 Jan 15 j 18:54	0°♏	
desc. node	-4055 Jan 28 j 14:05	9°♏33'37	
	-4055 Feb 25 j 01:28	0°♐	
	-4055 Apr 07 j 13:27	0°♑	
	-4055 May 23 j 12:26	0°♒	
retrograde	-4055 Aug 03 j 12:50	26°♒12'29	
min. Earth dist.	-4055 Sep 03 j 10:49	19°♒41'41	0.52600 AU
opposition	-4055 Sep 10 j 19:20	16°♒54'58	-3°55'06
greatest brilliancy	-4055 Sep 09 j 20:42	17°♒16'22	-2.0m
direct	-4055 Oct 15 j 16:09	9°♒14'43	
asc. node	-4055 Dec 11 j 21:40	24°♒41'13	
	-4055 Dec 23 j 08:06	0°♓	
	-4054 Feb 17 j 08:51	0°♈	
	-4054 Apr 09 j 04:43	0°♉	
	-4054 May 27 j 13:38	0°♊	
evening set	-4054 Jul 07 j 01:04	26°♊13'59	
	-4054 Jul 12 j 17:10	0°♋	
max. Earth dist.	-4054 Jul 26 j 00:21	8°♋55'56	2.56106 AU
conjunction	-4054 Aug 24 j 13:17	29°♋15'50	1°02'43
minimum elong	-4054 Aug 24 j 14:38	29°♋18'11	1°02'53
	-4054 Aug 25 j 14:30	0°♌	
	-4054 Oct 06 j 10:02	0°♍	
morning rise	-4054 Oct 14 j 06:42	5°♍47'23	
	-4054 Nov 15 j 13:49	0°♎	
desc. node	-4054 Dec 16 j 13:03	23°♎42'29	
	-4054 Dec 24 j 16:46	0°♏	
	-4053 Feb 01 j 13:12	0°♐	
	-4053 Mar 13 j 01:13	0°♑	
	-4053 Apr 23 j 09:43	0°♒	
	-4053 Jun 07 j 15:32	0°♓	
	-4053 Aug 03 j 20:49	0°♈	
retrograde	-4053 Sep 12 j 10:09	8°♈44'14	
min. Earth dist.	-4053 Oct 18 j 07:45	0°♈23'32	0.62678 AU
	-4053 Oct 19 j 07:21	30°♓	
opposition	-4053 Oct 22 j 08:25	28°♓46'51	-0°18'15
greatest brilliancy	-4053 Oct 22 j 07:30	28°♓47'46	-1.6m
asc. node	-4053 Oct 29 j 22:36	25°♓49'57	
direct	-4053 Nov 29 j 16:26	19°♓45'11	
	-4052 Jan 14 j 13:00	0°♈	
	-4052 Mar 16 j 10:35	0°♉	
	-4052 May 06 j 17:20	0°♊	
	-4052 Jun 22 j 19:19	0°♋	
	-4052 Aug 05 j 18:54	0°♌	
evening set	-4052 Aug 19 j 16:16	9°♌51'59	
max. Earth dist.	-4052 Sep 04 j 22:21	21°♌38'46	2.44189 AU
	-4052 Sep 16 j 06:24	0°♍	
conjunction	-4052 Oct 13 j 12:18	20°♍30'38	0°14'03
minimum elong	-4052 Oct 13 j 13:15	20°♍32'28	0°14'05
behind sun begin	-4052 Oct 13 j 00:33	20°♍08'17	
behind sun end	-4052 Oct 14 j 01:56	20°♍56'40	
	-4052 Oct 25 j 21:20	0°♎	
desc. node	-4052 Nov 02 j 10:30	5°♎49'48	
	-4052 Dec 03 j 10:22	0°♏	
morning rise	-4052 Dec 14 j 10:39	8°♏38'01	
	-4051 Jan 10 j 17:49	0°♐	
	-4051 Feb 18 j 16:39	0°♑	
	-4051 Mar 31 j 04:09	0°♒	
	-4051 May 13 j 02:51	0°♓	
	-4051 Jun 28 j 23:24	0°♈	
	-4051 Aug 24 j 02:07	0°♉	
asc. node	-4051 Sep 15 j 22:58	8°♉42'48	
retrograde	-4051 Oct 16 j 12:01	13°♉52'59	
opposition	-4051 Nov 25 j 11:25	4°♉09'44	2°30'30
greatest brilliancy	-4051 Nov 25 j 09:33	4°♉11'36	-1.3m
min. Earth dist.	-4051 Nov 25 j 04:43	4°♉16'27	0.67064 AU
	-4051 Dec 06 j 06:10	30°℞♈	
direct	-4050 Jan 04 j 22:31	24°♈24'02	
	-4050 Feb 06 j 14:57	0°♉	
	-4050 Apr 13 j 08:17	0°♊	
	-4050 Jun 02 j 09:01	0°♋	
	-4050 Jul 17 j 05:29	0°♌	
	-4050 Aug 27 j 20:12	0°♍	
desc. node	-4050 Sep 20 j 07:01	17°♍40'32	
	-4050 Oct 06 j 07:33	0°♎	
evening set	-4050 Oct 15 j 21:01	7°♎25'47	
	-4050 Nov 13 j 15:24	0°♏	
conjunction	-4050 Dec 19 j 10:45	28°♏10'19	-0°55'49
minimum elong	-4050 Dec 19 j 07:38	28°♏04'13	0°55'56
	-4050 Dec 21 j 18:49	0°♐	
	-4049 Jan 29 j 15:21	0°♑	
max. Earth dist.	-4049 Jan 31 j 14:07	1°♑28'46	2.39584 AU
morning rise	-4049 Feb 24 j 20:28	19°♑38'34	
	-4049 Mar 10 j 23:58	0°♒	
	-4049 Apr 22 j 11:35	0°♓	
	-4049 Jun 06 j 14:13	0°♈	
	-4049 Jul 25 j 04:36	0°♉	
asc. node	-4049 Aug 03 j 23:14	5°♉40'35	
	-4049 Sep 19 j 05:52	0°♊	
retrograde	-4049 Nov 21 j 02:56	17°♊37'52	
opposition	-4049 Dec 30 j 01:12	8°♊33'58	4°26'41
greatest brilliancy	-4049 Dec 30 j 12:18	8°♊23'03	-1.4m
min. Earth dist.	-4048 Jan 02 j 14:07	7°♊10'38	0.65134 AU
	-4048 Jan 25 j 08:23	30°℞♉	
direct	-4048 Feb 09 j 07:14	28°♉32'57	
	-4048 Feb 24 j 23:05	0°♊	
	-4048 May 07 j 08:51	0°♋	
	-4048 Jun 24 j 13:24	0°♌	
	-4048 Aug 06 j 05:25	0°♍	
desc. node	-4048 Aug 07 j 05:49	0°♍44'43	
	-4048 Sep 15 j 01:35	0°♎	
	-4048 Oct 23 j 13:20	0°♏	
	-4048 Nov 30 j 20:21	0°♐	
evening set	-4048 Dec 22 j 15:14	16°♐50'56	
	-4047 Jan 08 j 21:47	0°♑	
	-4047 Feb 18 j 12:03	0°♒	
conjunction	-4047 Feb 22 j 16:56	3°♒01'36	-0°59'04
minimum elong	-4047 Feb 22 j 19:01	3°♒05'20	0°59'13
max. Earth dist.	-4047 Apr 02 j 06:03	0°♓05'50	2.52445 AU
	-4047 Apr 02 j 02:39	0°♓	
morning rise	-4047 Apr 21 j 03:56	12°♓56'38	
	-4047 May 16 j 21:11	0°♈	
asc. node	-4047 Jun 20 j 21:25	22°♈31'10	
	-4047 Jul 02 j 18:56	0°♉	
	-4047 Aug 21 j 03:28	0°♊	
	-4047 Oct 14 j 11:12	0°♋	
retrograde	-4047 Dec 31 j 15:10	24°♋51'05	
opposition	-4046 Feb 06 j 08:00	16°♋53'44	5°07'54

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

greatest brilliancy	-4046 Feb 07 j 14:13	16°♋25'40	-1.7m
min. Earth dist.	-4046 Feb 13 j 12:39	14°♋13'47	0.56885 AU
direct	-4046 Mar 18 j 13:22	7°♋21'41	
	-4046 May 25 j 23:57	0°♌	
desc. node	-4046 Jun 25 j 05:39	18°♌12'41	
	-4046 Jul 12 j 21:22	0°♍	
	-4046 Aug 23 j 13:13	0°♎	
	-4046 Oct 02 j 00:02	0°♏	
	-4046 Nov 10 j 00:28	0°♐	
	-4046 Dec 19 j 18:02	0°♑	
	-4045 Jan 29 j 23:32	0°♒	
evening set	-4045 Feb 19 j 12:20	14°♒27'12	
	-4045 Mar 14 j 02:41	0°♓	
conjunction	-4045 Apr 14 j 03:23	20°♓48'13	-0°14'08
minimum elong	-4045 Apr 14 j 04:01	20°♓49'17	0°14'09
behind sun begin	-4045 Apr 13 j 18:31	20°♓33'34	
behind sun end	-4045 Apr 14 j 13:31	21°♓04'59	
	-4045 Apr 28 j 02:53	0°♈	
max. Earth dist.	-4045 May 03 j 02:09	3°♈14'44	2.62208 AU
asc. node	-4045 May 08 j 18:10	6°♈56'05	
morning rise	-4045 Jun 02 j 21:00	23°♈07'50	
	-4045 Jun 13 j 15:06	0°♉	
	-4045 Jul 31 j 04:20	0°♊	
	-4045 Sep 17 j 16:42	0°♋	
	-4045 Nov 07 j 05:59	0°♌	
	-4044 Jan 04 j 13:15	0°♍	
retrograde	-4044 Feb 26 j 06:25	13°♍17'21	
opposition	-4044 Mar 30 j 00:56	7°♍09'40	2°41'22
greatest brilliancy	-4044 Mar 30 j 23:00	6°♍52'08	-2.5m
min. Earth dist.	-4044 Apr 07 j 00:08	4°♍38'32	0.44186 AU
	-4044 Apr 29 j 03:29	30°℞♌	
direct	-4044 May 04 j 18:22	29°♌46'37	
	-4044 May 10 j 09:56	0°♍	
desc. node	-4044 May 12 j 05:32	0°♍09'52	
	-4044 Jul 21 j 18:21	0°♎	
	-4044 Sep 04 j 09:11	0°♏	
	-4044 Oct 16 j 02:57	0°♐	
	-4044 Nov 26 j 18:42	0°♑	
	-4043 Jan 08 j 11:59	0°♒	
	-4043 Feb 21 j 18:18	0°♓	
asc. node	-4043 Mar 25 j 15:37	20°♓59'59	
evening set	-4043 Apr 05 j 09:18	27°♓58'45	
	-4043 Apr 08 j 12:12	0°♈	
conjunction	-4043 May 24 j 01:15	29°♈14'27	0°32'17
minimum elong	-4043 May 24 j 00:10	29°♈12'43	0°32'21
	-4043 May 25 j 05:47	0°♉	
max. Earth dist.	-4043 May 26 j 17:54	0°♉57'38	2.66791 AU
morning rise	-4043 Jul 09 j 01:57	28°♉36'32	
	-4043 Jul 11 j 06:11	0°♊	
	-4043 Aug 26 j 23:18	0°♋	
	-4043 Oct 12 j 04:34	0°♌	
	-4043 Nov 27 j 04:13	0°♍	
	-4042 Jan 12 j 17:41	0°♎	
	-4042 Mar 03 j 13:31	0°♏	
desc. node	-4042 Mar 30 j 06:32	13°♏30'11	
retrograde	-4042 May 14 j 13:16	24°♏59'31	
min. Earth dist.	-4042 Jun 12 j 01:01	20°♏21'59	0.37895 AU
opposition	-4042 Jun 14 j 14:54	19°♏40'04	-5°11'37
greatest brilliancy	-4042 Jun 14 j 01:33	19°♏49'07	-2.9m
direct	-4042 Jul 14 j 10:28	14°♏40'10	
	-4042 Sep 06 j 05:17	0°♐	
	-4042 Oct 29 j 07:40	0°♑	
	-4042 Dec 15 j 22:47	0°♒	
	-4041 Jan 31 j 23:18	0°♓	
asc. node	-4041 Feb 10 j 13:08	6°♓05'21	
	-4041 Mar 20 j 07:45	0°♈	
	-4041 May 06 j 20:37	0°♉	
evening set	-4041 May 15 j 01:11	5°♉10'57	
max. Earth dist.	-4041 Jun 19 j 16:48	27°♉53'46	2.65940 AU
	-4041 Jun 22 j 23:25	0°♊	
conjunction	-4041 Jun 30 j 17:21	4°♊59'25	1°03'33
minimum elong	-4041 Jun 30 j 16:19	4°♊57'44	1°03'42
	-4041 Aug 08 j 00:54	0°♋	
morning rise	-4041 Aug 15 j 01:51	4°♋39'48	
	-4041 Sep 21 j 16:44	0°♌	
	-4041 Nov 03 j 22:32	0°♍	
	-4041 Dec 16 j 00:03	0°♎	
	-4040 Jan 26 j 08:24	0°♏	
desc. node	-4040 Feb 15 j 07:28	14°♏29'41	
	-4040 Mar 07 j 21:30	0°♐	
	-4040 Apr 20 j 19:03	0°♑	
	-4040 Jun 16 j 14:15	0°♒	
retrograde	-4040 Jul 16 j 00:33	5°♒38'40	
	-4040 Aug 13 j 19:22	30°℞♑	
min. Earth dist.	-4040 Aug 13 j 18:51	0°♒00'28	0.47620 AU
greatest brilliancy	-4040 Aug 20 j 10:34	27°♑38'30	-2.3m
opposition	-4040 Aug 21 j 20:09	27°♑08'31	-5°21'05
direct	-4040 Sep 23 j 23:26	20°♑14'49	
	-4040 Nov 06 j 02:08	0°♒	
asc. node	-4040 Dec 28 j 12:10	25°♒30'21	
	-4039 Jan 05 j 15:18	0°♓	
	-4039 Feb 26 j 07:48	0°♈	
	-4039 Apr 16 j 18:22	0°♉	
	-4039 Jun 03 j 14:40	0°♊	
evening set	-4039 Jun 21 j 11:34	11°♊29'55	
max. Earth dist.	-4039 Jul 14 j 08:06	26°♊28'52	2.59814 AU
	-4039 Jul 19 j 15:12	0°♋	
conjunction	-4039 Aug 07 j 20:13	12°♋55'32	1°09'41
minimum elong	-4039 Aug 07 j 20:46	12°♋56'28	1°09'52
	-4039 Sep 01 j 15:24	0°♌	
morning rise	-4039 Sep 25 j 01:17	16°♌31'52	
	-4039 Oct 13 j 17:26	0°♍	
	-4039 Nov 23 j 05:57	0°♎	
	-4038 Jan 01 j 18:09	0°♏	
desc. node	-4038 Jan 02 j 05:55	0°♏22'29	
	-4038 Feb 09 j 23:58	0°♐	
	-4038 Mar 21 j 23:10	0°♑	
	-4038 May 03 j 04:13	0°♒	
	-4038 Jun 20 j 03:42	0°♓	
retrograde	-4038 Aug 28 j 20:52	23°♓42'22	
min. Earth dist.	-4038 Oct 01 j 23:05	15°♓59'59	0.59335 AU
opposition	-4038 Oct 07 j 09:38	13°♓51'00	-1°37'31
greatest brilliancy	-4038 Oct 07 j 02:37	13°♓57'56	-1.7m
direct	-4038 Nov 13 j 13:18	5°♓15'37	
asc. node	-4038 Nov 15 j 13:01	5°♓17'07	
	-4037 Jan 30 j 10:59	0°♈	
	-4037 Mar 26 j 14:46	0°♉	
	-4037 May 15 j 09:50	0°♊	
	-4037 Jul 01 j 00:33	0°♋	
evening set	-4037 Aug 02 j 05:18	21°♋49'49	
	-4037 Aug 13 j 22:13	0°♌	
max. Earth dist.	-4037 Aug 17 j 08:17	2°♌24'37	2.49116 AU
conjunction	-4037 Sep 22 j 22:19	28°♌50'33	0°38'22
minimum elong	-4037 Sep 23 j 00:11	28°♌54'00	0°38'27
	-4037 Sep 24 j 11:56	0°♍	
	-4037 Nov 03 j 06:55	0°♎	
morning rise	-4037 Nov 18 j 19:22	11°♎57'33	
desc. node	-4037 Nov 20 j 04:24	13°♎01'29	
	-4037 Dec 12 j 00:09	0°♏	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-4036 Jan 19 j 11:12	0°♐	
	-4036 Feb 27 j 13:11	0°♑	
	-4036 Apr 08 j 05:03	0°♒	
	-4036 May 21 j 15:28	0°♓	
	-4036 Jul 09 j 05:18	0°♈	
	-4036 Sep 21 j 11:12	0°♉	
asc. node	-4036 Oct 02 j 13:40	0°♉50'38	
retrograde	-4036 Oct 03 j 02:04	0°♉50'45	
	-4036 Oct 14 j 07:25	30°℞♈	
min. Earth dist.	-4036 Nov 10 j 10:21	21°♈40'37	0.66096 AU
opposition	-4036 Nov 12 j 04:24	20°♈58'23	1°31'16
greatest brilliancy	-4036 Nov 12 j 01:19	21°♈01'29	-1.4m
direct	-4036 Dec 21 j 23:04	11°♈26'27	
	-4035 Feb 25 j 11:56	0°♉	
	-4035 Apr 22 j 20:50	0°♊	
	-4035 Jun 10 j 08:36	0°♋	
	-4035 Jul 24 j 18:32	0°♌	
	-4035 Sep 04 j 06:57	0°♍	
evening set	-4035 Sep 21 j 13:24	12°♍58'01	
desc. node	-4035 Oct 07 j 02:14	24°♍50'00	
	-4035 Oct 13 j 18:58	0°♎	
max. Earth dist.	-4035 Nov 07 j 04:40	19°♎01'17	2.37840 AU
conjunction	-4035 Nov 21 j 15:59	0°♏23'47	-0°31'42
minimum elong	-4035 Nov 21 j 13:25	0°♏18'45	0°31'45
	-4035 Nov 21 j 03:54	0°♏	
	-4035 Dec 29 j 07:44	0°♐	
morning rise	-4034 Jan 28 j 13:24	23°♐26'05	
	-4034 Feb 06 j 03:49	0°♑	
	-4034 Mar 18 j 11:40	0°♒	
	-4034 Apr 30 j 00:36	0°♓	
	-4034 Jun 14 j 12:17	0°♈	
	-4034 Aug 03 j 14:49	0°♉	
asc. node	-4034 Aug 20 j 13:13	9°♉06'32	
	-4034 Oct 08 j 22:46	0°♊	
retrograde	-4034 Nov 06 j 22:39	4°♊35'34	
	-4034 Dec 03 j 15:23	30°℞♉	
opposition	-4034 Dec 16 j 09:51	25°♉13'42	3°48'27
greatest brilliancy	-4034 Dec 16 j 14:31	25°♉09'04	-1.3m
min. Earth dist.	-4034 Dec 18 j 10:56	24°♉25'02	0.66655 AU
direct	-4033 Jan 26 j 12:44	15°♉15'00	
	-4033 Mar 23 j 18:30	0°♊	
	-4033 May 18 j 19:11	0°♋	
	-4033 Jul 04 j 03:54	0°♌	
	-4033 Aug 15 j 06:34	0°♍	
desc. node	-4033 Aug 24 j 23:25	7°♍12'34	
	-4033 Sep 23 j 21:52	0°♎	
	-4033 Nov 01 j 07:01	0°♏	
evening set	-4033 Nov 26 j 16:48	19°♏59'29	
	-4033 Dec 09 j 11:29	0°♐	
	-4032 Jan 17 j 09:47	0°♑	
conjunction	-4032 Jan 30 j 15:38	9°♑58'27	-1°07'24
minimum elong	-4032 Jan 30 j 16:19	9°♑59'43	1°07'34
	-4032 Feb 26 j 20:18	0°♒	
max. Earth dist.	-4032 Mar 16 j 19:09	13°♒34'35	2.47421 AU
morning rise	-4032 Apr 01 j 08:57	24°♒30'05	
	-4032 Apr 09 j 07:53	0°♓	
	-4032 May 24 j 02:44	0°♈	
asc. node	-4032 Jul 07 j 12:54	28°♈13'25	
	-4032 Jul 10 j 10:01	0°♉	
	-4032 Aug 30 j 05:59	0°♊	
	-4032 Oct 30 j 16:50	0°♋	
retrograde	-4032 Dec 14 j 08:36	9°♋47'06	
opposition	-4031 Jan 21 j 02:21	1°♋19'33	5°04'26
greatest brilliancy	-4031 Jan 22 j 01:26	0°♋57'29	-1.6m
	-4031 Jan 24 j 13:30	30°℞♊	
min. Earth dist.	-4031 Jan 26 j 22:46	29°♊05'36	0.60825 AU
direct	-4031 Mar 03 j 00:19	21°♊28'19	
	-4031 Apr 11 j 16:35	0°♋	
	-4031 Jun 08 j 04:58	0°♌	
desc. node	-4031 Jul 11 j 21:53	22°♌15'30	
	-4031 Jul 22 j 22:04	0°♍	
	-4031 Sep 01 j 13:29	0°♎	
	-4031 Oct 10 j 11:44	0°♏	
	-4031 Nov 18 j 02:54	0°♐	
	-4031 Dec 27 j 12:12	0°♑	
evening set	-4030 Jan 29 j 10:35	24°♑15'22	
	-4030 Feb 06 j 09:58	0°♒	
	-4030 Mar 21 j 06:36	0°♓	
conjunction	-4030 Mar 27 j 01:20	3°♓56'28	-0°33'21
minimum elong	-4030 Mar 27 j 02:54	3°♓59'09	0°33'25
max. Earth dist.	-4030 Apr 22 j 06:01	21°♓31'06	2.58964 AU
	-4030 May 05 j 02:48	0°♈	
morning rise	-4030 May 18 j 06:29	8°♈34'38	
asc. node	-4030 May 25 j 11:14	13°♈14'09	
	-4030 Jun 20 j 16:13	0°♉	
	-4030 Aug 07 j 16:34	0°♊	
	-4030 Sep 26 j 14:14	0°♋	
	-4030 Nov 20 j 12:15	0°♌	
retrograde	-4029 Feb 01 j 13:33	22°♌27'49	
opposition	-4029 Mar 08 j 01:12	15°♌31'43	4°15'55
greatest brilliancy	-4029 Mar 09 j 10:25	15°♌03'07	-2.2m
min. Earth dist.	-4029 Mar 16 j 12:50	12°♌36'58	0.49331 AU
direct	-4029 Apr 15 j 03:24	7°♌01'16	
desc. node	-4029 May 29 j 22:33	18°♌34'41	
	-4029 Jun 20 j 22:46	0°♍	
	-4029 Aug 06 j 08:38	0°♎	
	-4029 Sep 16 j 16:35	0°♏	
	-4029 Oct 26 j 20:37	0°♐	
	-4029 Dec 06 j 11:31	0°♑	
	-4028 Jan 17 j 10:28	0°♒	
	-4028 Mar 01 j 03:23	0°♓	
evening set	-4028 Mar 19 j 14:55	12°♓20'26	
asc. node	-4028 Apr 11 j 07:38	27°♓15'48	
	-4028 Apr 15 j 12:24	0°♈	
conjunction	-4028 May 08 j 19:17	15°♈04'08	0°15'30
minimum elong	-4028 May 08 j 18:40	15°♈03'09	0°15'31
behind sun begin	-4028 May 08 j 15:18	14°♈57'44	
behind sun end	-4028 May 08 j 22:03	15°♈08'35	
max. Earth dist.	-4028 May 17 j 11:20	20°♈38'22	2.65643 AU
	-4028 Jun 01 j 02:18	0°♉	
morning rise	-4028 Jun 24 j 21:27	15°♉10'05	
	-4028 Jul 18 j 05:25	0°♊	
	-4028 Sep 03 j 10:36	0°♋	
	-4028 Oct 20 j 18:59	0°♌	
	-4028 Dec 08 j 02:02	0°♍	
	-4027 Jan 29 j 05:30	0°♎	
retrograde	-4027 Apr 12 j 23:47	24°♎21'12	
desc. node	-4027 Apr 15 j 22:54	24°♎17'52	
opposition	-4027 May 13 j 11:18	19°♎16'27	-2°01'44
greatest brilliancy	-4027 May 13 j 15:17	19°♎13'45	-2.9m
min. Earth dist.	-4027 May 16 j 11:12	18°♎27'50	0.38341 AU
direct	-4027 Jun 13 j 17:42	13°♎51'36	
	-4027 Aug 06 j 20:23	0°♏	
	-4027 Sep 26 j 10:09	0°♐	
	-4027 Nov 10 j 16:53	0°♑	
	-4027 Dec 25 j 12:16	0°♒	
	-4026 Feb 09 j 02:14	0°♓	
asc. node	-4026 Feb 27 j 05:02	11°♓44'34	
	-4026 Mar 27 j 15:35	0°♈	
evening set	-4026 Apr 30 j 00:24	21°♈14'51	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-4026 May 13 j 18:58	0°♉	
max. Earth dist.	-4026 Jun 10 j 08:34	17°♉32'56	2.66931 AU
conjunction	-4026 Jun 16 j 03:28	21°♉14'48	0°53'51
minimum elong	-4026 Jun 16 j 02:12	21°♉12'47	0°53'57
	-4026 Jun 29 j 19:26	0°♊	
morning rise	-4026 Jul 31 j 09:31	20°♊25'07	
	-4026 Aug 15 j 01:14	0°♋	
	-4026 Sep 29 j 04:19	0°♌	
	-4026 Nov 12 j 04:39	0°♍	
	-4026 Dec 25 j 08:54	0°♎	
	-4025 Feb 06 j 06:46	0°♏	
desc. node	-4025 Mar 03 j 23:53	17°♏41'40	
	-4025 Mar 22 j 10:55	0°♐	
	-4025 May 13 j 09:13	0°♑	
retrograde	-4025 Jun 25 j 14:37	11°♑18'55	
min. Earth dist.	-4025 Jul 22 j 15:04	6°♑29'02	0.42766 AU
greatest brilliancy	-4025 Jul 28 j 16:22	4°♑32'08	-2.6m
opposition	-4025 Jul 30 j 06:22	4°♑01'15	-6°22'38
	-4025 Aug 13 j 09:48	30°℞♐	
direct	-4025 Aug 30 j 16:58	28°♐00'42	
	-4025 Sep 17 j 13:31	0°♑	
	-4025 Nov 26 j 12:32	0°♒	
asc. node	-4024 Jan 15 j 03:38	28°♒46'20	
	-4024 Jan 17 j 04:50	0°♓	
	-4024 Mar 06 j 13:39	0°♈	
	-4024 Apr 24 j 01:38	0°♉	
evening set	-4024 Jun 06 j 09:35	27°♉20'38	
	-4024 Jun 10 j 13:13	0°♊	
max. Earth dist.	-4024 Jul 03 j 22:32	15°♊07'01	2.62844 AU
conjunction	-4024 Jul 23 j 03:01	27°♊43'48	1°11'00
minimum elong	-4024 Jul 23 j 02:48	27°♊43'28	1°11'11
	-4024 Jul 26 j 13:06	0°♋	
morning rise	-4024 Sep 07 j 16:18	29°♋14'58	
	-4024 Sep 08 j 18:19	0°♌	
	-4024 Oct 21 j 05:15	0°♍	
	-4024 Dec 01 j 05:09	0°♎	
	-4023 Jan 10 j 05:48	0°♏	
desc. node	-4023 Jan 19 j 00:51	6°♏38'16	
	-4023 Feb 19 j 01:03	0°♐	
	-4023 Mar 31 j 18:45	0°♑	
	-4023 May 14 j 16:36	0°♒	
	-4023 Jul 10 j 03:01	0°♓	
retrograde	-4023 Aug 13 j 05:16	7°♓06'19	
min. Earth dist.	-4023 Sep 14 j 07:14	0°♓08'27	0.55187 AU
	-4023 Sep 14 j 16:07	30°℞♒	
greatest brilliancy	-4023 Sep 20 j 09:02	27°♒47'53	-1.9m
opposition	-4023 Sep 21 j 01:19	27°♒32'09	-3°03'39
direct	-4023 Oct 26 j 19:35	19°♒29'51	
asc. node	-4023 Dec 02 j 03:12	26°♒30'11	
	-4023 Dec 11 j 14:39	0°♓	
	-4022 Feb 10 j 22:00	0°♈	
	-4022 Apr 03 j 22:43	0°♉	
	-4022 May 22 j 18:28	0°♊	
	-4022 Jul 08 j 01:55	0°♋	
evening set	-4022 Jul 16 j 06:38	5°♋28'44	
max. Earth dist.	-4022 Aug 02 j 11:04	17°♋08'48	2.53774 AU
	-4022 Aug 20 j 23:47	0°♌	
conjunction	-4022 Sep 03 j 16:26	9°♌41'08	0°55'49
minimum elong	-4022 Sep 03 j 18:08	9°♌44'09	0°55'57
	-4022 Oct 01 j 17:32	0°♍	
morning rise	-4022 Oct 26 j 06:04	18°♍15'02	
	-4022 Nov 10 j 18:28	0°♎	
desc. node	-4022 Dec 06 j 22:49	20°♎05'48	
	-4022 Dec 19 j 17:52	0°♏	

	-4021 Jan 27 j 10:23	0°♐	
	-4021 Mar 07 j 17:40	0°♑	
	-4021 Apr 17 j 17:31	0°♒	
	-4021 Jun 01 j 00:52	0°♓	
	-4021 Jul 23 j 05:30	0°♈	
retrograde	-4021 Sep 20 j 11:29	17°♈18'18	
asc. node	-4021 Oct 20 j 03:59	11°♈24'28	
min. Earth dist.	-4021 Oct 27 j 07:09	8°♈38'39	0.64142 AU
opposition	-4021 Oct 30 j 12:20	7°♈21'12	0°24'22
greatest brilliancy	-4021 Oct 30 j 11:01	7°♈22'32	-1.5m
	-4021 Nov 21 j 11:01	30°℞♓	
direct	-4021 Dec 08 j 10:00	28°♓07'23	
	-4021 Dec 26 j 11:36	0°♈	
	-4020 Mar 09 j 17:36	0°♉	
	-4020 May 01 j 09:39	0°♊	
	-4020 Jun 17 j 22:32	0°♋	
	-4020 Aug 01 j 02:01	0°♌	
evening set	-4020 Aug 30 j 22:57	21°♌25'42	
	-4020 Sep 11 j 14:00	0°♍	
max. Earth dist.	-4020 Sep 20 j 05:48	6°♍27'30	2.41519 AU
	-4020 Oct 21 j 04:03	0°♎	
desc. node	-4020 Oct 23 j 19:39	2°♎02'45	
conjunction	-4020 Oct 26 j 21:27	4°♎25'30	-0°02'14
minimum elong	-4020 Oct 26 j 21:18	4°♎25'14	0°02'14
behind sun begin	-4020 Oct 25 j 19:48	3°♎35'53	
behind sun end	-4020 Oct 27 j 22:48	5°♎14'37	
	-4020 Nov 28 j 15:31	0°♏	
morning rise	-4020 Dec 30 j 13:06	25°♏02'28	
	-4019 Jan 05 j 21:18	0°♐	
	-4019 Feb 13 j 18:34	0°♑	
	-4019 Mar 26 j 03:38	0°♒	
	-4019 May 07 j 20:46	0°♓	
	-4019 Jun 23 j 00:36	0°♈	
	-4019 Aug 14 j 22:06	0°♉	
asc. node	-4019 Sep 06 j 05:11	10°♉15'51	
retrograde	-4019 Oct 24 j 06:17	21°♉44'05	
opposition	-4019 Dec 03 j 02:21	12°♉07'39	3°01'31
greatest brilliancy	-4019 Dec 03 j 02:14	12°♉07'45	-1.3m
min. Earth dist.	-4019 Dec 03 j 15:41	11°♉54'19	0.67188 AU
direct	-4018 Jan 12 j 20:23	2°♉16'06	
	-4018 Apr 06 j 07:05	0°♊	
	-4018 May 27 j 21:05	0°♋	
	-4018 Jul 12 j 05:14	0°♌	
	-4018 Aug 23 j 00:08	0°♍	
desc. node	-4018 Sep 10 j 17:09	14°♍02'04	
	-4018 Oct 01 j 12:57	0°♎	
evening set	-4018 Oct 30 j 13:52	22°♎40'51	
	-4018 Nov 08 j 20:59	0°♏	
	-4018 Dec 17 j 00:08	0°♐	
conjunction	-4017 Jan 04 j 03:02	14°♐06'08	-1°04'02
minimum elong	-4017 Jan 04 j 01:01	14°♐02'14	1°04'11
	-4017 Jan 24 j 20:28	0°♑	
max. Earth dist.	-4017 Feb 22 j 09:04	21°♑21'13	2.42212 AU
	-4017 Mar 06 j 04:43	0°♒	
morning rise	-4017 Mar 10 j 22:29	3°♒26'00	
	-4017 Apr 17 j 14:59	0°♓	
	-4017 Jun 01 j 12:57	0°♈	
	-4017 Jul 19 j 12:06	0°♉	
asc. node	-4017 Jul 25 j 04:43	3°♉24'07	
	-4017 Sep 10 j 21:10	0°♊	
retrograde	-4017 Nov 29 j 15:42	25°♊48'05	
opposition	-4016 Jan 07 j 05:04	16°♊56'01	4°44'06
greatest brilliancy	-4016 Jan 07 j 20:20	16°♊41'08	-1.4m
min. Earth dist.	-4016 Jan 11 j 14:18	15°♊13'38	0.63858 AU
direct	-4016 Feb 17 j 10:13	6°♊56'23	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-4016 Apr 29 j 09:50	0°♋		
	-4016 Jun 18 j 14:45	0°♌		
desc. node	-4016 Jul 28 j 15:23	27°♌39'43		
	-4016 Jul 31 j 20:54	0°♍		
	-4016 Sep 09 j 23:14	0°♎		
	-4016 Oct 18 j 14:15	0°♏		
	-4016 Nov 25 j 23:24	0°♐		
	-4015 Jan 04 j 02:40	0°♑		
evening set	-4015 Jan 05 j 23:08	1°♑23'43		
	-4015 Feb 13 j 18:22	0°♒		
conjunction	-4015 Mar 07 j 01:35	15°♒10'13	-0°50'52	
minimum elong	-4015 Mar 07 j 03:45	15°♒14'02	0°50'59	
	-4015 Mar 28 j 09:47	0°♓		
max. Earth dist.	-4015 Apr 10 j 02:29	8°♓39'18	2.54949 AU	
morning rise	-4015 May 01 j 10:58	22°♓57'09		
	-4015 May 12 j 03:36	0°♈		
asc. node	-4015 Jun 11 j 02:59	19°♈23'20		
	-4015 Jun 27 j 20:47	0°♉		
	-4015 Aug 15 j 14:21	0°♊		
	-4015 Oct 06 j 18:16	0°♋		
	-4015 Dec 13 j 05:56	0°♌		
retrograde	-4014 Jan 11 j 10:42	4°♌34'30		
	-4014 Feb 07 j 14:25	30°℞♋		
opposition	-4014 Feb 16 j 10:30	26°♋57'04	4°58'42	
greatest brilliancy	-4014 Feb 17 j 19:34	26°♋27'01	-1.9m	
min. Earth dist.	-4014 Feb 24 j 06:24	24°♋06'44	0.54327 AU	
direct	-4014 Mar 28 j 01:44	17°♋41'48		
	-4014 May 14 j 09:44	0°♌		
desc. node	-4014 Jun 15 j 14:24	17°♌16'23		
	-4014 Jul 05 j 16:58	0°♍		
	-4014 Aug 17 j 10:27	0°♎		
	-4014 Sep 26 j 09:05	0°♏		
	-4014 Nov 04 j 16:59	0°♐		
	-4014 Dec 14 j 16:27	0°♑		
	-4013 Jan 25 j 02:42	0°♒		
evening set	-4013 Mar 02 j 13:12	25°♒20'40		
	-4013 Mar 09 j 09:24	0°♓		
conjunction	-4013 Apr 23 j 18:36	0°♈11'25	-0°03'03	
minimum elong	-4013 Apr 23 j 18:45	0°♈11'40	0°03'03	
behind sun begin	-4013 Apr 22 j 22:13	29°♓38'07		
behind sun end	-4013 Apr 24 j 15:17	0°♈45'12		
	-4013 Apr 23 j 11:35	0°♈		
asc. node	-4013 Apr 29 j 00:23	3°♈36'39		
max. Earth dist.	-4013 May 08 j 23:20	10°♈04'34	2.63661 AU	
	-4013 Jun 08 j 23:28	0°♉		
morning rise	-4013 Jun 11 j 09:52	1°♉33'08		
	-4013 Jul 26 j 07:53	0°♊		
	-4013 Sep 12 j 06:48	0°♋		
	-4013 Oct 31 j 08:55	0°♌		
	-4013 Dec 23 j 04:03	0°♍		
retrograde	-4012 Mar 12 j 22:12	27°♍06'20		
opposition	-4012 Apr 13 j 19:13	21°♍26'06	1°16'57	
greatest brilliancy	-4012 Apr 14 j 05:12	21°♍18'37	-2.7m	
min. Earth dist.	-4012 Apr 20 j 17:24	19°♍22'33	0.41599 AU	
desc. node	-4012 May 02 j 16:08	16°♍22'19		
direct	-4012 May 17 j 20:54	14°♍47'57		
	-4012 Jul 08 j 13:36	0°♎		
	-4012 Aug 27 j 01:30	0°♏		
	-4012 Oct 09 j 09:24	0°♐		
	-4012 Nov 20 j 21:46	0°♑		
	-4011 Jan 03 j 04:22	0°♒		
	-4011 Feb 16 j 19:32	0°♓		
asc. node	-4011 Mar 15 j 20:30	17°♓44'03		
	-4011 Apr 03 j 19:04	0°♈		
evening set	-4011 Apr 14 j 13:54	6°♈56'21		
	-4011 May 20 j 15:28	0°♉		
conjunction	-4011 Jun 01 j 13:36	7°♉36'07	0°41'00	
minimum elong	-4011 Jun 01 j 12:22	7°♉34'09	0°41'05	
max. Earth dist.	-4011 Jun 01 j 02:51	7°♉19'00	2.67083 AU	
	-4011 Jul 06 j 15:21	0°♊		
morning rise	-4011 Jul 17 j 04:24	6°♊45'39		
	-4011 Aug 22 j 03:53	0°♋		
	-4011 Oct 06 j 22:30	0°♌		
	-4011 Nov 21 j 01:55	0°♍		
	-4010 Jan 05 j 01:43	0°♎		
	-4010 Feb 20 j 03:24	0°♏		
desc. node	-4010 Mar 20 j 17:22	17°♏17'05		
	-4010 Apr 13 j 21:48	0°♐		
retrograde	-4010 May 31 j 01:41	12°♐42'06		
min. Earth dist.	-4010 Jun 27 j 00:11	8°♐15'59	0.38980 AU	
greatest brilliancy	-4010 Jul 01 j 00:40	7°♐07'44	-2.8m	
opposition	-4010 Jul 02 j 03:14	6°♐48'50	-6°11'46	
direct	-4010 Aug 01 j 03:21	1°♐36'49		
	-4010 Oct 19 j 15:01	0°♑		
	-4010 Dec 09 j 05:21	0°♒		
	-4009 Jan 26 j 09:44	0°♓		
asc. node	-4009 Jan 31 j 18:09	3°♓20'53		
	-4009 Mar 15 j 07:58	0°♈		
	-4009 May 02 j 03:59	0°♉		
evening set	-4009 May 23 j 14:13	13°♉32'15		
	-4009 Jun 18 j 09:34	0°♊		
max. Earth dist.	-4009 Jun 25 j 05:43	4°♊23'59	2.65061 AU	
conjunction	-4009 Jul 09 j 03:46	13°♊24'44	1°07'31	
minimum elong	-4009 Jul 09 j 02:58	13°♊23'27	1°07'39	
	-4009 Aug 03 j 10:28	0°♋		
morning rise	-4009 Aug 23 j 18:23	13°♋34'19		
	-4009 Sep 16 j 22:21	0°♌		
	-4009 Oct 29 j 20:50	0°♍		
	-4009 Dec 10 j 12:00	0°♎		
	-4008 Jan 20 j 06:52	0°♏		
desc. node	-4008 Feb 05 j 17:08	12°♏08'26		
	-4008 Mar 01 j 00:28	0°♐		
	-4008 Apr 12 j 06:40	0°♑		
	-4008 May 30 j 15:20	0°♒		
retrograde	-4008 Jul 26 j 20:45	18°♒07'47		
min. Earth dist.	-4008 Aug 25 j 18:58	12°♒00'41	0.50400 AU	
greatest brilliancy	-4008 Sep 01 j 09:59	9°♒34'10	-2.1m	
opposition	-4008 Sep 02 j 13:34	9°♒08'41	-4°33'12	
direct	-4008 Oct 06 j 16:46	1°♒48'10		
asc. node	-4008 Dec 18 j 18:20	24°♒55'29		
	-4008 Dec 28 j 17:16	0°♓		
	-4007 Feb 20 j 13:26	0°♈		
	-4007 Apr 11 j 18:06	0°♉		
	-4007 May 29 j 21:58	0°♊		
evening set	-4007 Jun 30 j 07:44	20°♊16'18		
	-4007 Jul 15 j 01:09	0°♋		
max. Earth dist.	-4007 Jul 20 j 22:28	3°♋55'56	2.57859 AU	
conjunction	-4007 Aug 17 j 05:28	22°♋29'33	1°06'25	
minimum elong	-4007 Aug 17 j 06:28	22°♋31'17	1°06'35	
	-4007 Aug 28 j 00:55	0°♌		
morning rise	-4007 Oct 05 j 16:37	27°♌34'57		
	-4007 Oct 09 j 00:10	0°♍		
	-4007 Nov 18 j 08:21	0°♎		
desc. node	-4007 Dec 23 j 16:14	26°♎56'58		
	-4007 Dec 27 j 15:28	0°♏		
	-4006 Feb 04 j 15:25	0°♐		
	-4006 Mar 16 j 07:03	0°♑		
	-4006 Apr 26 j 21:26	0°♒		
	-4006 Jun 11 j 21:59	0°♓		

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-4006 Aug 15 j 18:42	0°♈	
retrograde	-4006 Sep 06 j 08:50	2°♈54'29	
	-4006 Sep 26 j 17:41	30°℞♓	
min. Earth dist.	-4006 Oct 11 j 11:37	24°♓49'50	0.61294 AU
opposition	-4006 Oct 16 j 03:08	22°♓58'45	-0°50'35
greatest brilliancy	-4006 Oct 16 j 00:03	23°♓01'50	-1.6m
asc. node	-4006 Nov 05 j 19:09	16°♓04'36	
direct	-4006 Nov 22 j 23:05	14°♓07'56	
	-4005 Jan 21 j 06:11	0°♈	
	-4005 Mar 20 j 16:54	0°♉	
	-4005 May 10 j 08:12	0°♊	
	-4005 Jun 26 j 06:24	0°♋	
	-4005 Aug 09 j 06:33	0°♌	
evening set	-4005 Aug 12 j 12:37	2°♌17'24	
max. Earth dist.	-4005 Aug 27 j 16:45	13°♌06'19	2.46415 AU
	-4005 Sep 19 j 20:08	0°♍	
conjunction	-4005 Oct 04 j 20:16	11°♍11'41	0°25'16
minimum elong	-4005 Oct 04 j 21:47	11°♍14'32	0°25'18
	-4005 Oct 29 j 13:42	0°♎	
desc. node	-4005 Nov 10 j 13:50	9°♎15'36	
morning rise	-4005 Dec 03 j 11:10	27°♎04'33	
	-4005 Dec 07 j 04:56	0°♏	
	-4004 Jan 14 j 13:37	0°♐	
	-4004 Feb 22 j 12:58	0°♑	
	-4004 Apr 03 j 00:50	0°♒	
	-4004 May 16 j 01:52	0°♓	
	-4004 Jul 02 j 10:05	0°♈	
	-4004 Aug 30 j 21:08	0°♉	
asc. node	-4004 Sep 22 j 19:23	6°♉52'55	
retrograde	-4004 Oct 10 j 19:59	8°♉49'41	
	-4004 Nov 17 j 11:15	30°℞♈	
opposition	-4004 Nov 19 j 21:07	29°♈02'00	2°06'46
min. Earth dist.	-4004 Nov 18 j 22:58	29°♈24'13	0.66752 AU
greatest brilliancy	-4004 Nov 19 j 18:21	29°♈04'46	-1.4m
direct	-4004 Dec 30 j 01:20	19°♈21'49	
	-4003 Feb 15 j 01:37	0°♉	
	-4003 Apr 16 j 18:56	0°♊	
	-4003 Jun 05 j 04:15	0°♋	
	-4003 Jul 19 j 21:33	0°♌	
	-4003 Aug 30 j 12:20	0°♍	
desc. node	-4003 Sep 27 j 10:21	21°♍04'10	
evening set	-4003 Oct 05 j 00:14	26°♍53'40	
	-4003 Oct 09 j 00:46	0°♎	
	-4003 Nov 16 j 09:25	0°♏	
conjunction	-4003 Dec 07 j 05:36	16°♏25'07	-0°46'37
minimum elong	-4003 Dec 07 j 02:21	16°♏18'42	0°46'42
	-4003 Dec 24 j 12:44	0°♐	
max. Earth dist.	-4002 Jan 02 j 04:19	6°♐45'13	2.37975 AU
	-4002 Feb 01 j 08:20	0°♑	
morning rise	-4002 Feb 13 j 07:34	9°♑02'59	
	-4002 Mar 13 j 15:27	0°♒	
	-4002 Apr 25 j 01:52	0°♓	
	-4002 Jun 09 j 06:07	0°♈	
	-4002 Jul 28 j 07:14	0°♉	
asc. node	-4002 Aug 10 j 19:56	7°♉39'47	
	-4002 Sep 24 j 22:17	0°♊	
retrograde	-4002 Nov 14 j 23:57	12°♊28'52	
opposition	-4002 Dec 24 j 04:45	3°♊16'35	4°11'39
greatest brilliancy	-4002 Dec 24 j 12:53	3°♊08'33	-1.4m
min. Earth dist.	-4002 Dec 27 j 02:07	2°♊08'11	0.65939 AU
	-4001 Jan 01 j 14:57	30°℞♉	
direct	-4001 Feb 03 j 10:16	23°♉15'49	
	-4001 Mar 11 j 04:06	0°♊	
	-4001 May 12 j 08:08	0°♋	
	-4001 Jun 28 j 17:36	0°♌	

	-4001 Aug 10 j 04:34	0°♍	
desc. node	-4001 Aug 15 j 09:00	3°♍49'21	
	-4001 Sep 18 j 23:11	0°♎	
	-4001 Oct 27 j 09:53	0°♏	
	-4001 Dec 04 j 15:14	0°♐	
evening set	-4001 Dec 12 j 02:35	5°♐49'07	
	-4000 Jan 12 j 14:24	0°♑	
conjunction	-4000 Feb 13 j 15:45	23°♑52'17	-1°03'44
minimum elong	-4000 Feb 13 j 17:28	23°♑55'25	1°03'53
	-4000 Feb 22 j 01:52	0°♒	
max. Earth dist.	-4000 Mar 26 j 16:03	23°♒50'32	2.50271 AU
	-4000 Apr 04 j 13:39	0°♓	
morning rise	-4000 Apr 12 j 22:50	5°♓44'22	
	-4000 May 19 j 06:53	0°♈	
asc. node	-4000 Jun 27 j 18:50	25°♈18'47	
	-4000 Jul 05 j 06:56	0°♉	
	-4000 Aug 24 j 03:01	0°♊	
	-4000 Oct 19 j 12:13	0°♋	
retrograde	-4000 Dec 23 j 23:25	18°♋40'08	
opposition	-3999 Jan 30 j 04:13	10°♋28'32	5°08'25
greatest brilliancy	-3999 Jan 31 j 07:31	10°♋02'49	-1.7m
min. Earth dist.	-3999 Feb 05 j 19:13	7°♋59'00	0.58765 AU
direct	-3999 Mar 11 j 18:32	0°♋46'06	
	-3999 May 31 j 12:30	0°♌	
desc. node	-3999 Jul 02 j 08:47	20°♌05'27	
	-3999 Jul 16 j 20:11	0°♍	
	-3999 Aug 27 j 00:46	0°♎	
	-3999 Oct 05 j 05:42	0°♏	
	-3999 Nov 13 j 01:06	0°♐	
	-3999 Dec 22 j 13:46	0°♑	
	-3998 Feb 01 j 14:27	0°♒	
evening set	-3998 Feb 10 j 17:04	6°♒28'56	
	-3998 Mar 16 j 13:12	0°♓	
conjunction	-3998 Apr 06 j 14:33	14°♓13'30	-0°22'17
minimum elong	-3998 Apr 06 j 15:36	14°♓15'15	0°22'20
max. Earth dist.	-3998 Apr 28 j 17:18	28°♓52'28	2.60865 AU
	-3998 Apr 30 j 10:28	0°♈	
asc. node	-3998 May 15 j 15:31	9°♈55'00	
morning rise	-3998 May 27 j 08:40	17°♈28'57	
	-3998 Jun 15 j 22:12	0°♉	
	-3998 Aug 02 j 15:10	0°♊	
	-3998 Sep 20 j 15:47	0°♋	
	-3998 Nov 11 j 15:50	0°♌	
	-3997 Jan 18 j 00:41	0°♍	
retrograde	-3997 Feb 15 j 00:37	4°♍16'06	
	-3997 Mar 13 j 12:41	30°℞♌	
opposition	-3997 Mar 20 j 13:57	27°♌45'59	3°29'23
greatest brilliancy	-3997 Mar 21 j 18:25	27°♌22'25	-2.3m
min. Earth dist.	-3997 Mar 28 j 23:00	25°♌00'23	0.46460 AU
direct	-3997 Apr 26 j 10:44	19°♌49'59	
desc. node	-3997 May 20 j 08:27	23°♌31'14	
	-3997 Jun 06 j 19:34	0°♍	
	-3997 Jul 29 j 04:54	0°♎	
	-3997 Sep 10 j 00:53	0°♏	
	-3997 Oct 20 j 22:52	0°♐	
	-3997 Dec 01 j 01:21	0°♑	
	-3996 Jan 12 j 08:43	0°♒	
	-3996 Feb 25 j 07:23	0°♓	
evening set	-3996 Mar 29 j 08:36	21°♓51'53	
asc. node	-3996 Apr 01 j 12:47	23°♓56'20	
	-3996 Apr 10 j 20:11	0°♈	
conjunction	-3996 May 17 j 15:16	23°♈42'27	0°25'30
minimum elong	-3996 May 17 j 14:20	23°♈40'59	0°25'33
max. Earth dist.	-3996 May 22 j 23:52	27°♈08'09	2.66380 AU

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-3996 May 27 j 11:27	0°♉	
morning rise	-3996 Jul 03 j 01:49	23°♉20'08	
	-3996 Jul 13 j 12:43	0°♊	
	-3996 Aug 29 j 11:03	0°♋	
	-3996 Oct 15 j 03:18	0°♌	
	-3996 Nov 30 j 23:46	0°♍	
	-3995 Jan 18 j 08:24	0°♎	
	-3995 Mar 15 j 05:00	0°♏	
desc. node	-3995 Apr 06 j 09:16	8°♏07'46	
retrograde	-3995 Apr 30 j 22:17	11°♏46'43	
opposition	-3995 May 31 j 11:58	6°♏41'55	-3°58'23
greatest brilliancy	-3995 May 31 j 09:14	6°♏43'44	-2.9m
min. Earth dist.	-3995 May 31 j 09:34	6°♏43'31	0.37686 AU
direct	-3995 Jun 30 j 17:02	1°♏38'53	
	-3995 Sep 15 j 23:17	0°♐	
	-3995 Nov 03 j 10:09	0°♑	
	-3995 Dec 19 j 13:38	0°♒	
	-3994 Feb 03 j 20:21	0°♓	
asc. node	-3994 Feb 17 j 10:40	8°♓43'48	
	-3994 Mar 22 j 19:11	0°♈	
evening set	-3994 May 08 j 16:33	29°♈42'49	
	-3994 May 09 j 03:24	0°♉	
max. Earth dist.	-3994 Jun 15 j 19:09	23°♉57'42	2.66487 AU
conjunction	-3994 Jun 24 j 12:18	29°♉32'53	0°59'54
minimum elong	-3994 Jun 24 j 11:08	29°♉31'01	1°00'02
	-3994 Jun 25 j 05:12	0°♊	
morning rise	-3994 Aug 08 j 18:10	28°♊55'51	
	-3994 Aug 10 j 09:08	0°♋	
	-3994 Sep 24 j 06:22	0°♌	
	-3994 Nov 06 j 20:35	0°♍	
	-3994 Dec 19 j 09:17	0°♎	
	-3993 Jan 30 j 08:09	0°♏	
desc. node	-3993 Feb 22 j 10:38	16°♏27'37	
	-3993 Mar 13 j 18:09	0°♐	
	-3993 Apr 28 j 16:12	0°♑	
retrograde	-3993 Jul 08 j 03:33	25°♑59'11	
min. Earth dist.	-3993 Aug 05 j 00:44	20°♑44'26	0.45375 AU
greatest brilliancy	-3993 Aug 11 j 13:40	18°♑30'23	-2.4m
opposition	-3993 Aug 13 j 02:35	17°♑58'39	-5°53'01
direct	-3993 Sep 14 j 10:32	11°♑28'24	
	-3993 Nov 16 j 03:17	0°♒	
asc. node	-3992 Jan 05 j 09:26	26°♒58'12	
	-3992 Jan 10 j 15:38	0°♓	
	-3992 Mar 01 j 04:57	0°♈	
	-3992 Apr 19 j 05:09	0°♉	
	-3992 Jun 05 j 21:54	0°♊	
evening set	-3992 Jun 15 j 00:17	5°♊50'08	
max. Earth dist.	-3992 Jul 09 j 22:43	22°♊03'25	2.61258 AU
	-3992 Jul 21 j 22:59	0°♋	
conjunction	-3992 Aug 01 j 00:38	6°♋43'47	1°10'52
minimum elong	-3992 Aug 01 j 00:52	6°♋44'10	1°11'02
	-3992 Sep 04 j 02:15	0°♌	
morning rise	-3992 Sep 17 j 09:38	9°♌18'28	
	-3992 Oct 16 j 09:02	0°♍	
	-3992 Nov 26 j 02:59	0°♎	
	-3991 Jan 04 j 20:48	0°♏	
desc. node	-3991 Jan 09 j 09:28	3°♏26'38	
	-3991 Feb 13 j 07:50	0°♐	
	-3991 Mar 25 j 13:13	0°♑	
	-3991 May 07 j 06:37	0°♒	
	-3991 Jun 26 j 07:25	0°♓	
retrograde	-3991 Aug 22 j 08:43	17°♓13'13	
min. Earth dist.	-3991 Sep 24 j 13:39	9°♓49'47	0.57567 AU
opposition	-3991 Sep 30 j 14:28	7°♓27'59	-2°13'20
greatest brilliancy	-3991 Sep 30 j 03:51	7°♓38'24	-1.8m
	-3991 Oct 25 j 13:18	30°♑℞♒	
direct	-3991 Nov 06 j 03:56	29°♒06'21	
	-3991 Nov 18 j 06:19	0°♓	
asc. node	-3991 Nov 22 j 09:48	0°♓40'48	
	-3990 Feb 03 j 20:29	0°♈	
	-3990 Mar 29 j 12:34	0°♉	
	-3990 May 17 j 21:46	0°♊	
	-3990 Jul 03 j 10:25	0°♋	
evening set	-3990 Jul 25 j 19:04	15°♋03'07	
max. Earth dist.	-3990 Aug 10 j 13:41	25°♋56'02	2.51247 AU
	-3990 Aug 16 j 09:16	0°♌	
conjunction	-3990 Sep 14 j 09:00	20°♌42'29	0°46'41
minimum elong	-3990 Sep 14 j 10:53	20°♌45'54	0°46'47
	-3990 Sep 27 j 01:42	0°♍	
	-3990 Nov 05 j 23:48	0°♎	
morning rise	-3990 Nov 08 j 04:37	1°♎40'58	
desc. node	-3990 Nov 27 j 07:36	16°♎24'18	
	-3990 Dec 14 j 19:58	0°♏	
	-3989 Jan 22 j 09:05	0°♐	
	-3989 Mar 02 j 12:27	0°♑	
	-3989 Apr 12 j 06:14	0°♒	
	-3989 May 25 j 22:07	0°♓	
	-3989 Jul 14 j 12:37	0°♈	
retrograde	-3989 Sep 28 j 08:58	25°♈35'09	
asc. node	-3989 Oct 10 j 10:41	24°♈35'52	
min. Earth dist.	-3989 Nov 05 j 01:24	16°♈37'53	0.65345 AU
opposition	-3989 Nov 07 j 10:49	15°♈40'12	1°04'16
greatest brilliancy	-3989 Nov 07 j 08:02	15°♈43'00	-1.4m
direct	-3989 Dec 16 j 20:14	6°♈15'44	
	-3988 Mar 02 j 05:51	0°♉	
	-3988 Apr 25 j 21:12	0°♊	
	-3988 Jun 13 j 00:10	0°♋	
	-3988 Jul 27 j 08:38	0°♌	
	-3988 Sep 06 j 22:02	0°♍	
evening set	-3988 Sep 11 j 20:35	3°♍40'39	
max. Earth dist.	-3988 Oct 10 j 13:41	25°♍26'37	2.39175 AU
desc. node	-3988 Oct 14 j 05:41	28°♍16'00	
	-3988 Oct 16 j 11:36	0°♎	
conjunction	-3988 Nov 10 j 02:22	19°♎09'29	-0°19'05
minimum elong	-3988 Nov 10 j 00:48	19°♎06'25	0°19'06
	-3988 Nov 23 j 21:53	0°♏	
	-3987 Jan 01 j 02:11	0°♐	
morning rise	-3987 Jan 15 j 23:02	11°♐35'11	
	-3987 Feb 08 j 21:48	0°♑	
	-3987 Mar 21 j 04:52	0°♒	
	-3987 May 02 j 17:37	0°♓	
	-3987 Jun 17 j 09:20	0°♈	
	-3987 Aug 07 j 07:37	0°♉	
asc. node	-3987 Aug 27 j 10:22	10°♉18'35	
retrograde	-3987 Nov 01 j 02:17	29°♉33'29	
opposition	-3987 Dec 10 j 17:58	20°♉04'49	3°29'45
greatest brilliancy	-3987 Dec 10 j 20:19	20°♉02'29	-1.3m
min. Earth dist.	-3987 Dec 12 j 03:27	19°♉31'30	0.67025 AU
direct	-3986 Jan 20 j 17:26	10°♉08'38	
	-3986 Mar 29 j 05:25	0°♊	
	-3986 May 22 j 03:03	0°♋	
	-3986 Jul 07 j 02:01	0°♌	
	-3986 Aug 18 j 02:28	0°♍	
desc. node	-3986 Sep 01 j 03:01	10°♍27'33	
	-3986 Sep 26 j 17:23	0°♎	
	-3986 Nov 04 j 02:21	0°♏	
evening set	-3986 Nov 14 j 18:08	8°♏23'50	
	-3986 Dec 12 j 05:54	0°♐	
conjunction	-3985 Jan 19 j 08:45	29°♐26'28	-1°07'35

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

minimum elong	-3985 Jan 19 j 08:18	29°♐25'37	1°07'46	
	-3985 Jan 20 j 02:25	0°♑		
	-3985 Mar 01 j 10:41	0°♒		
max. Earth dist.	-3985 Mar 08 j 21:55	5°♒24'04	2.45073 AU	
morning rise	-3985 Mar 24 j 00:58	16°♒11'22		
	-3985 Apr 12 j 20:00	0°♓		
	-3985 May 27 j 14:24	0°♈		
	-3985 Jul 14 j 01:51	0°♉		
asc. node	-3985 Jul 15 j 09:53	0°♉48'52		
	-3985 Sep 03 j 17:03	0°♊		
	-3985 Nov 10 j 19:12	0°♋		
retrograde	-3985 Dec 08 j 11:30	4°♋09'02		
	-3984 Jan 03 j 01:37	30°℞♊		
opposition	-3984 Jan 15 j 14:49	25°♊30'01	4°57'16	
greatest brilliancy	-3984 Jan 16 j 10:30	25°♊11'02	-1.5m	
min. Earth dist.	-3984 Jan 20 j 19:59	23°♊29'25	0.62304 AU	
direct	-3984 Feb 25 j 17:09	15°♊33'46		
	-3984 Apr 19 j 16:00	0°♋		
	-3984 Jun 12 j 06:08	0°♌		
desc. node	-3984 Jul 19 j 01:06	24°♌48'47		
	-3984 Jul 26 j 07:50	0°♍		
	-3984 Sep 04 j 17:41	0°♎		
	-3984 Oct 13 j 12:45	0°♏		
	-3984 Nov 21 j 00:43	0°♐		
	-3984 Dec 30 j 06:19	0°♑		
evening set	-3983 Jan 19 j 13:33	15°♑06'48		
	-3983 Feb 09 j 00:11	0°♒		
conjunction	-3983 Mar 18 j 16:50	26°♒33'22	-0°41'08	
minimum elong	-3983 Mar 18 j 18:44	26°♒36'38	0°41'13	
	-3983 Mar 23 j 17:00	0°♓		
max. Earth dist.	-3983 Apr 17 j 06:14	16°♓37'29	2.57256 AU	
	-3983 May 07 j 10:49	0°♈		
morning rise	-3983 May 11 j 06:01	2°♈29'26		
asc. node	-3983 Jun 01 j 08:43	16°♈11'03		
	-3983 Jun 23 j 00:25	0°♉		
	-3983 Aug 10 j 06:31	0°♊		
	-3983 Sep 29 j 22:55	0°♋		
	-3983 Nov 27 j 01:23	0°♌		
retrograde	-3982 Jan 23 j 01:33	14°♌53'28		
opposition	-3982 Feb 27 j 05:39	7°♌37'52	4°38'41	
greatest brilliancy	-3982 Feb 28 j 15:41	7°♌07'43	-2.0m	
min. Earth dist.	-3982 Mar 07 j 12:08	4°♌42'37	0.51625 AU	
	-3982 Mar 24 j 13:27	30°℞♋		
direct	-3982 Apr 07 j 02:24	28°♋44'32		
	-3982 Apr 20 j 21:35	0°♌		
desc. node	-3982 Jun 06 j 01:09	17°♌36'34		
	-3982 Jun 27 j 10:22	0°♍		
	-3982 Aug 10 j 21:05	0°♎		
	-3982 Sep 20 j 12:10	0°♏		
	-3982 Oct 30 j 05:48	0°♐		
	-3982 Dec 09 j 12:11	0°♑		
	-3981 Jan 20 j 04:00	0°♒		
	-3981 Mar 04 j 14:50	0°♓		
evening set	-3981 Mar 13 j 01:17	5°♓40'52		
	-3981 Apr 18 j 19:45	0°♈		
asc. node	-3981 Apr 19 j 05:10	0°♈15'22		
conjunction	-3981 May 03 j 01:54	9°♈16'09	0°07'55	
minimum elong	-3981 May 03 j 01:33	9°♈15'37	0°07'56	
behind sun begin	-3981 May 02 j 07:40	8°♈46'40		
behind sun end	-3981 May 03 j 19:27	9°♈44'33		
max. Earth dist.	-3981 May 14 j 15:43	16°♈44'31	2.64860 AU	
	-3981 Jun 04 j 07:51	0°♉		
morning rise	-3981 Jun 19 j 19:03	9°♉51'37		
	-3981 Jul 21 j 12:44	0°♊		
	-3981 Sep 07 j 00:53	0°♋		
	-3981 Oct 25 j 00:55	0°♌		
	-3981 Dec 13 j 20:18	0°♍		
	-3980 Feb 09 j 10:35	0°♎		
retrograde	-3980 Mar 30 j 01:54	12°♎21'10		
desc. node	-3980 Apr 23 j 01:42	8°♎57'28		
opposition	-3980 Apr 30 j 00:19	7°♎04'29	-0°30'02	
greatest brilliancy	-3980 Apr 30 j 02:25	7°♎03'00	-2.8m	
min. Earth dist.	-3980 May 05 j 02:30	5°♎38'51	0.39521 AU	
direct	-3980 Jun 01 j 11:19	1°♎10'10		
	-3980 Aug 16 j 16:34	0°♏		
	-3980 Oct 01 j 21:55	0°♐		
	-3980 Nov 14 j 16:47	0°♑		
	-3980 Dec 28 j 16:52	0°♒		
	-3979 Feb 11 j 18:45	0°♓		
asc. node	-3979 Mar 06 j 02:14	14°♓33'18		
	-3979 Mar 30 j 00:53	0°♈		
evening set	-3979 Apr 23 j 12:02	15°♈39'03		
	-3979 May 16 j 00:35	0°♉		
max. Earth dist.	-3979 Jun 06 j 11:18	13°♉39'35	2.67103 AU	
conjunction	-3979 Jun 09 j 23:06	15°♉53'11	0°48'49	
minimum elong	-3979 Jun 09 j 21:48	15°♉51'08	0°48'55	
	-3979 Jul 02 j 00:49	0°♊		
morning rise	-3979 Jul 25 j 07:44	14°♊59'37		
	-3979 Aug 17 j 09:53	0°♋		
	-3979 Oct 01 j 19:45	0°♌		
	-3979 Nov 15 j 07:25	0°♍		
	-3979 Dec 29 j 04:18	0°♎		
	-3978 Feb 11 j 04:17	0°♏		
desc. node	-3978 Mar 11 j 02:23	18°♏26'37		
	-3978 Mar 29 j 13:33	0°♐		
retrograde	-3978 Jun 15 j 01:55	29°♐46'13		
min. Earth dist.	-3978 Jul 11 j 18:35	25°♐11'38	0.40865 AU	
greatest brilliancy	-3978 Jul 17 j 03:04	23°♐33'51	-2.7m	
opposition	-3978 Jul 18 j 14:22	23°♐06'43	-6°31'00	
direct	-3978 Aug 18 j 08:21	17°♐29'49		
	-3978 Oct 05 j 23:58	0°♑		
	-3978 Dec 01 j 16:35	0°♒		
	-3977 Jan 20 j 13:39	0°♓		
asc. node	-3977 Jan 22 j 00:53	0°♓53'58		
	-3977 Mar 10 j 05:37	0°♈		
	-3977 Apr 27 j 10:04	0°♉		
evening set	-3977 Jun 01 j 01:52	21°♉52'16		
	-3977 Jun 13 j 19:19	0°♊		
max. Earth dist.	-3977 Jun 30 j 21:44	11°♊01'24	2.63941 AU	
conjunction	-3977 Jul 17 j 15:55	21°♊57'30	1°10'03	
minimum elong	-3977 Jul 17 j 15:27	21°♊56'44	1°10'13	
	-3977 Jul 29 j 20:27	0°♋		
morning rise	-3977 Sep 01 j 17:04	22°♋47'05		
	-3977 Sep 12 j 05:22	0°♌		
	-3977 Oct 24 j 22:07	0°♍		
	-3977 Dec 05 j 04:52	0°♎		
	-3976 Jan 14 j 13:06	0°♏		
desc. node	-3976 Jan 27 j 03:45	9°♏26'32		
	-3976 Feb 23 j 16:35	0°♐		
	-3976 Apr 04 j 21:53	0°♑		
	-3976 May 20 j 01:08	0°♒		
retrograde	-3976 Aug 06 j 01:31	29°♒42'54		
min. Earth dist.	-3976 Sep 06 j 04:11	23°♒07'06	0.53114 AU	
opposition	-3976 Sep 13 j 10:38	20°♒21'47	-3°41'50	
greatest brilliancy	-3976 Sep 12 j 13:36	20°♒41'46	-2.0m	
direct	-3976 Oct 18 j 12:38	12°♒36'49		
asc. node	-3976 Dec 09 j 00:01	25°♒32'28		
	-3976 Dec 19 j 02:19	0°♓		
	-3975 Feb 14 j 10:09	0°♈		
	-3975 Apr 06 j 14:33	0°♉		

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-3975 May 25 j 03:51	0°♊	
evening set	-3975 Jul 09 j 08:14	29°♊16'20	
	-3975 Jul 10 j 10:31	0°♋	
max. Earth dist.	-3975 Jul 27 j 23:00	11°♋45'56	2.55688 AU
	-3975 Aug 23 j 10:18	0°♌	
conjunction	-3975 Aug 26 j 23:34	2°♌29'25	1°01'07
minimum elong	-3975 Aug 27 j 01:00	2°♌31'55	1°01'15
	-3975 Oct 04 j 07:35	0°♍	
morning rise	-3975 Oct 17 j 00:19	9°♍21'41	
	-3975 Nov 13 j 12:21	0°♎	
desc. node	-3975 Dec 14 j 02:10	23°♎24'03	
	-3975 Dec 22 j 15:24	0°♏	
	-3974 Jan 30 j 10:55	0°♐	
	-3974 Mar 10 j 20:36	0°♑	
	-3974 Apr 21 j 00:25	0°♒	
	-3974 Jun 04 j 19:17	0°♓	
	-3974 Jul 29 j 17:10	0°♈	
retrograde	-3974 Sep 14 j 14:21	11°♈43'52	
min. Earth dist.	-3974 Oct 20 j 16:17	3°♈18'53	0.62979 AU
opposition	-3974 Oct 24 j 12:29	1°♈46'31	-0°05'59
greatest brilliancy	-3974 Oct 24 j 12:15	1°♈46'45	-1.6m
asc. node	-3974 Oct 27 j 00:15	0°♈46'56	
	-3974 Oct 29 j 00:04	30°℞♓	
direct	-3974 Dec 01 j 22:46	22°♓42'11	
	-3973 Jan 08 j 17:43	0°♈	
	-3973 Mar 14 j 08:51	0°♉	
	-3973 May 05 j 03:32	0°♊	
	-3973 Jun 21 j 11:16	0°♋	
	-3973 Aug 04 j 14:29	0°♌	
evening set	-3973 Aug 23 j 07:39	13°♌18'07	
max. Earth dist.	-3973 Sep 09 j 05:36	25°♌36'38	2.43669 AU
	-3973 Sep 15 j 04:22	0°♍	
conjunction	-3973 Oct 17 j 12:53	24°♍22'45	0°10'13
minimum elong	-3973 Oct 17 j 13:35	24°♍24'06	0°10'14
behind sun begin	-3973 Oct 16 j 17:56	23°♍46'32	
behind sun end	-3973 Oct 18 j 09:14	25°♍01'42	
	-3973 Oct 24 j 20:38	0°♎	
desc. node	-3973 Oct 31 j 22:52	5°♎28'20	
	-3973 Dec 02 j 10:04	0°♏	
morning rise	-3973 Dec 19 j 00:44	13°♏01'47	
	-3972 Jan 09 j 16:59	0°♐	
	-3972 Feb 17 j 14:21	0°♑	
	-3972 Mar 28 j 23:16	0°♒	
	-3972 May 10 j 17:36	0°♓	
	-3972 Jun 26 j 05:11	0°♈	
	-3972 Aug 19 j 20:51	0°♉	
asc. node	-3972 Sep 13 j 01:33	9°♉56'17	
retrograde	-3972 Oct 18 j 13:47	16°♉42'41	
opposition	-3972 Nov 27 j 12:20	7°♉00'54	2°39'38
greatest brilliancy	-3972 Nov 27 j 10:45	7°♉02'29	-1.3m
min. Earth dist.	-3972 Nov 27 j 10:07	7°♉03'08	0.67115 AU
	-3972 Dec 17 j 07:47	30°℞♈	
direct	-3971 Jan 07 j 00:22	27°♈13'49	
	-3971 Jan 29 j 07:43	0°♉	
	-3971 Apr 10 j 05:23	0°♊	
	-3971 May 30 j 20:31	0°♋	
	-3971 Jul 14 j 23:25	0°♌	
	-3971 Aug 25 j 17:47	0°♍	
desc. node	-3971 Sep 17 j 20:22	17°♍22'20	
	-3971 Oct 04 j 07:03	0°♎	
evening set	-3971 Oct 19 j 03:45	11°♎33'19	
	-3971 Nov 11 j 15:31	0°♏	
	-3971 Dec 19 j 18:24	0°♐	
conjunction	-3971 Dec 22 j 23:54	2°♐31'35	-0°58'07
minimum elong	-3971 Dec 22 j 21:00	2°♐25'54	0°58'15
	-3970 Jan 27 j 13:31	0°♑	
max. Earth dist.	-3970 Feb 06 j 04:43	7°♑17'50	2.40027 AU
morning rise	-3970 Feb 28 j 04:46	23°♑41'00	
	-3970 Mar 08 j 20:02	0°♒	
	-3970 Apr 20 j 04:48	0°♓	
	-3970 Jun 04 j 03:24	0°♈	
	-3970 Jul 22 j 10:03	0°♉	
asc. node	-3970 Aug 01 j 01:47	5°♉40'01	
	-3970 Sep 15 j 07:45	0°♊	
retrograde	-3970 Nov 23 j 07:41	20°♊30'35	
opposition	-3969 Jan 01 j 04:26	11°♊29'11	4°31'34
greatest brilliancy	-3969 Jan 01 j 16:28	11°♊17'24	-1.4m
min. Earth dist.	-3969 Jan 04 j 21:58	10°♊01'31	0.64909 AU
direct	-3969 Feb 11 j 10:24	1°♊28'13	
	-3969 May 05 j 03:06	0°♋	
	-3969 Jun 23 j 00:52	0°♌	
	-3969 Aug 04 j 23:37	0°♍	
desc. node	-3969 Aug 05 j 18:53	0°♍35'07	
	-3969 Sep 13 j 23:09	0°♎	
	-3969 Oct 22 j 12:23	0°♏	
	-3969 Nov 29 j 19:29	0°♐	
evening set	-3969 Dec 26 j 23:03	20°♐58'17	
	-3968 Jan 07 j 19:54	0°♑	
	-3968 Feb 17 j 08:25	0°♒	
conjunction	-3968 Feb 26 j 16:27	6°♒42'58	-0°57'08
minimum elong	-3968 Feb 26 j 18:36	6°♒46'50	0°57'15
	-3968 Mar 30 j 20:45	0°♓	
max. Earth dist.	-3968 Apr 04 j 06:01	3°♓00'42	2.52924 AU
morning rise	-3968 Apr 23 j 17:56	16°♓13'04	
	-3968 May 14 j 12:47	0°♈	
asc. node	-3968 Jun 18 j 00:06	22°♈14'20	
	-3968 Jun 30 j 07:17	0°♉	
	-3968 Aug 18 j 09:42	0°♊	
	-3968 Oct 10 j 21:50	0°♋	
retrograde	-3967 Jan 03 j 06:04	27°♋59'13	
opposition	-3967 Feb 08 j 19:02	20°♋05'48	5°05'32
greatest brilliancy	-3967 Feb 10 j 01:57	19°♋37'11	-1.8m
min. Earth dist.	-3967 Feb 16 j 02:54	17°♋23'17	0.56398 AU
direct	-3967 Mar 20 j 21:58	10°♋36'21	
	-3967 May 22 j 03:41	0°♌	
desc. node	-3967 Jun 22 j 17:19	18°♌29'40	
	-3967 Jul 10 j 04:41	0°♍	
	-3967 Aug 21 j 04:34	0°♎	
	-3967 Sep 29 j 18:44	0°♏	
	-3967 Nov 07 j 20:24	0°♐	
	-3967 Dec 17 j 13:55	0°♑	
	-3966 Jan 27 j 18:34	0°♒	
evening set	-3966 Feb 22 j 05:48	17°♒54'09	
	-3966 Mar 11 j 20:21	0°♓	
conjunction	-3966 Apr 16 j 13:59	23°♓56'33	-0°11'07
minimum elong	-3966 Apr 16 j 14:29	23°♓57'23	0°11'08
behind sun begin	-3966 Apr 15 j 23:13	23°♓32'12	
behind sun end	-3966 Apr 17 j 05:45	24°♓22'34	
	-3966 Apr 25 j 19:07	0°♈	
max. Earth dist.	-3966 May 04 j 19:13	5°♈52'53	2.62514 AU
asc. node	-3966 May 05 j 21:44	6°♈36'03	
morning rise	-3966 Jun 05 j 02:05	26°♈03'54	
	-3966 Jun 11 j 05:53	0°♉	
	-3966 Jul 28 j 17:17	0°♊	
	-3966 Sep 15 j 01:47	0°♋	
	-3966 Nov 04 j 04:31	0°♌	
	-3966 Dec 30 j 12:28	0°♍	
retrograde	-3965 Mar 01 j 15:01	17°♍06'11	
opposition	-3965 Apr 03 j 06:36	11°♍03'45	2°22'49

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

greatest brilliancy	-3965 Apr 04 j 02:05	10°♍48'27	-2.5m
min. Earth dist.	-3965 Apr 11 j 03:17	8°♍36'38	0.43655 AU
direct	-3965 May 08 j 15:40	3°♍49'16	
desc. node	-3965 May 10 j 18:32	3°♍51'09	
	-3965 Jul 19 j 00:55	0°♎	
	-3965 Sep 02 j 13:42	0°♏	
	-3965 Oct 14 j 14:29	0°♐	
	-3965 Nov 25 j 09:01	0°♑	
	-3964 Jan 07 j 03:15	0°♒	
	-3964 Feb 20 j 09:36	0°♓	
asc. node	-3964 Mar 22 j 18:07	20°♓39'21	
	-3964 Apr 06 j 03:18	0°♈	
evening set	-3964 Apr 07 j 18:21	1°♈03'09	
	-3964 May 22 j 20:46	0°♉	
conjunction	-3964 May 26 j 06:11	2°♉09'56	0°34'47
minimum elong	-3964 May 26 j 05:03	2°♉08'07	0°34'52
max. Earth dist.	-3964 May 28 j 09:05	3°♉31'05	2.66878 AU
	-3964 Jul 08 j 21:10	0°♊	
morning rise	-3964 Jul 11 j 04:12	1°♊27'59	
	-3964 Aug 24 j 13:56	0°♋	
	-3964 Oct 09 j 17:41	0°♌	
	-3964 Nov 24 j 13:25	0°♍	
	-3963 Jan 09 j 17:43	0°♎	
	-3963 Feb 27 j 10:01	0°♏	
desc. node	-3963 Mar 27 j 20:26	15°♏13'12	
retrograde	-3963 May 18 j 09:46	29°♏39'09	
min. Earth dist.	-3963 Jun 15 j 10:32	25°♏05'40	0.38015 AU
opposition	-3963 Jun 18 j 13:02	24°♏15'09	-5°29'22
greatest brilliancy	-3963 Jun 17 j 21:05	24°♏25'59	-2.9m
direct	-3963 Jul 18 j 07:11	19°♏14'36	
	-3963 Aug 31 j 06:13	0°♐	
	-3963 Oct 26 j 00:29	0°♑	
	-3963 Dec 13 j 04:32	0°♒	
	-3962 Jan 29 j 09:45	0°♓	
asc. node	-3962 Feb 07 j 15:32	5°♓51'43	
	-3962 Mar 17 j 20:22	0°♈	
	-3962 May 04 j 10:44	0°♉	
evening set	-3962 May 17 j 06:37	8°♉06'41	
	-3962 Jun 20 j 14:58	0°♊	
max. Earth dist.	-3962 Jun 21 j 06:36	0°♊25'05	2.65810 AU
conjunction	-3962 Jul 02 j 21:24	7°♊54'04	1°04'46
minimum elong	-3962 Jul 02 j 20:25	7°♊52'30	1°04'55
	-3962 Aug 05 j 17:45	0°♋	
morning rise	-3962 Aug 17 j 06:14	7°♋38'14	
	-3962 Sep 19 j 10:21	0°♌	
	-3962 Nov 01 j 16:08	0°♍	
	-3962 Dec 13 j 16:38	0°♎	
	-3961 Jan 23 j 22:40	0°♏	
desc. node	-3961 Feb 12 j 20:24	14°♏30'45	
	-3961 Mar 06 j 06:44	0°♐	
	-3961 Apr 18 j 14:56	0°♑	
	-3961 Jun 10 j 16:51	0°♒	
retrograde	-3961 Jul 19 j 16:51	9°♒23'52	
min. Earth dist.	-3961 Aug 17 j 15:30	3°♒40'55	0.48141 AU
greatest brilliancy	-3961 Aug 24 j 08:38	1°♒16'57	-2.2m
opposition	-3961 Aug 25 j 16:51	0°♒48'03	-5°10'09
	-3961 Aug 27 j 23:03	30°℞♑	
direct	-3961 Sep 28 j 01:28	23°♑49'05	
	-3961 Oct 31 j 09:08	0°♒	
asc. node	-3961 Dec 26 j 15:18	25°♒47'22	
	-3960 Jan 03 j 09:28	0°♓	
	-3960 Feb 24 j 14:23	0°♈	
	-3960 Apr 14 j 05:56	0°♉	
	-3960 Jun 01 j 05:30	0°♊	
evening set	-3960 Jun 23 j 17:25	14°♊28'05	
max. Earth dist.	-3960 Jul 16 j 06:02	29°♊15'39	2.59479 AU
	-3960 Jul 17 j 08:44	0°♋	
conjunction	-3960 Aug 10 j 03:44	16°♋00'43	1°08'59
minimum elong	-3960 Aug 10 j 04:24	16°♋01'52	1°09'09
	-3960 Aug 30 j 11:06	0°♌	
morning rise	-3960 Sep 27 j 13:29	19°♌51'32	
	-3960 Oct 11 j 14:34	0°♍	
	-3960 Nov 21 j 03:35	0°♎	
desc. node	-3960 Dec 30 j 19:24	0°♏07'40	
	-3960 Dec 30 j 15:23	0°♏	
	-3959 Feb 07 j 19:44	0°♐	
	-3959 Mar 19 j 15:48	0°♑	
	-3959 Apr 30 j 14:11	0°♒	
	-3959 Jun 16 j 17:19	0°♓	
retrograde	-3959 Aug 31 j 03:06	26°♓48'38	
min. Earth dist.	-3959 Oct 04 j 09:54	19°♓01'10	0.59728 AU
opposition	-3959 Oct 09 j 16:01	16°♓56'13	-1°24'36
greatest brilliancy	-3959 Oct 09 j 10:07	17°♓02'04	-1.7m
asc. node	-3959 Nov 12 j 15:57	8°♓21'40	
direct	-3959 Nov 15 j 22:35	8°♓17'28	
	-3958 Jan 26 j 16:54	0°♈	
	-3958 Mar 23 j 19:17	0°♉	
	-3958 May 12 j 21:53	0°♊	
	-3958 Jun 28 j 17:03	0°♋	
evening set	-3958 Aug 04 j 17:22	25°♋05'48	
	-3958 Aug 11 j 17:55	0°♌	
max. Earth dist.	-3958 Aug 19 j 19:39	5°♌41'30	2.48623 AU
	-3958 Sep 22 j 09:56	0°♍	
conjunction	-3958 Sep 25 j 16:39	2°♍25'29	0°35'16
minimum elong	-3958 Sep 25 j 18:27	2°♍28'48	0°35'21
	-3958 Nov 01 j 06:17	0°♎	
desc. node	-3958 Nov 17 j 17:18	12°♎40'38	
morning rise	-3958 Nov 22 j 01:05	16°♎01'37	
	-3958 Dec 09 j 23:55	0°♏	
	-3957 Jan 17 j 10:21	0°♐	
	-3957 Feb 25 j 10:36	0°♑	
	-3957 Apr 06 j 23:20	0°♒	
	-3957 May 20 j 04:02	0°♓	
	-3957 Jul 07 j 03:42	0°♈	
	-3957 Sep 10 j 22:39	0°♉	
asc. node	-3957 Sep 30 j 16:25	3°♉29'56	
retrograde	-3957 Oct 06 j 04:05	3°♉41'25	
	-3957 Oct 29 j 14:20	30°℞♈	
min. Earth dist.	-3957 Nov 13 j 16:05	24°♈27'49	0.66238 AU
opposition	-3957 Nov 15 j 05:43	23°♈49'59	1°41'39
greatest brilliancy	-3957 Nov 15 j 02:33	23°♈53'11	-1.4m
direct	-3957 Dec 25 j 01:36	14°♈16'12	
	-3956 Feb 22 j 08:42	0°♉	
	-3956 Apr 20 j 01:15	0°♊	
	-3956 Jun 07 j 22:08	0°♋	
	-3956 Jul 22 j 12:51	0°♌	
	-3956 Sep 02 j 04:16	0°♍	
evening set	-3956 Sep 24 j 15:33	16°♍53'09	
desc. node	-3956 Oct 04 j 13:58	24°♍28'41	
	-3956 Oct 11 j 18:01	0°♎	
max. Earth dist.	-3956 Nov 16 j 04:41	27°♎40'20	2.37691 AU
	-3956 Nov 19 j 03:41	0°♏	
conjunction	-3956 Nov 25 j 04:20	4°♏44'38	-0°35'29
minimum elong	-3956 Nov 25 j 01:33	4°♏39'08	0°35'31
	-3956 Dec 27 j 07:20	0°♐	
morning rise	-3955 Feb 01 j 04:29	27°♐46'55	
	-3955 Feb 04 j 02:16	0°♑	
	-3955 Mar 16 j 08:04	0°♒	
	-3955 Apr 27 j 17:52	0°♓	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-3955 Jun 12 j 00:24	0°♈	
	-3955 Jul 31 j 15:04	0°♉	
asc. node	-3955 Aug 17 j 16:59	9°♉21'50	
	-3955 Oct 02 j 07:05	0°♊	
retrograde	-3955 Nov 09 j 00:36	7°♊22'55	
	-3955 Dec 13 j 11:03	30°℞♉	
opposition	-3955 Dec 18 j 10:38	28°♉02'58	3°55'02
greatest brilliancy	-3955 Dec 18 j 16:03	27°♉57'35	-1.3m
min. Earth dist.	-3955 Dec 20 j 16:17	27°♉09'47	0.66547 AU
direct	-3954 Jan 28 j 13:48	18°♉03'27	
	-3954 Mar 19 j 05:46	0°♊	
	-3954 May 16 j 00:20	0°♋	
	-3954 Jul 01 j 19:12	0°♌	
	-3954 Aug 13 j 02:33	0°♍	
desc. node	-3954 Aug 22 j 12:10	6°♍57'44	
	-3954 Sep 21 j 20:09	0°♎	
	-3954 Oct 30 j 06:08	0°♏	
evening set	-3954 Nov 30 j 06:52	24°♏24'20	
	-3954 Dec 07 j 10:24	0°♐	
	-3953 Jan 15 j 07:38	0°♑	
conjunction	-3953 Feb 03 j 01:05	14°♑05'00	-1°06'46
minimum elong	-3953 Feb 03 j 02:04	14°♑06'49	1°06'56
	-3953 Feb 24 j 16:30	0°♒	
max. Earth dist.	-3953 Mar 20 j 05:46	16°♒51'36	2.47999 AU
morning rise	-3953 Apr 05 j 06:36	28°♒03'46	
	-3953 Apr 08 j 01:56	0°♓	
	-3953 May 22 j 17:59	0°♈	
asc. node	-3953 Jul 05 j 16:13	28°♈01'00	
	-3953 Jul 08 j 21:00	0°♉	
	-3953 Aug 28 j 07:07	0°♊	
	-3953 Oct 26 j 15:00	0°♋	
retrograde	-3953 Dec 17 j 17:06	12°♋44'35	
opposition	-3952 Jan 24 j 08:25	4°♋20'05	5°05'23
greatest brilliancy	-3952 Jan 25 j 08:27	3°♋57'11	-1.6m
min. Earth dist.	-3952 Jan 30 j 08:40	2°♋02'40	0.60467 AU
	-3952 Feb 04 j 23:07	30°℞♊	
direct	-3952 Mar 05 j 05:05	24°♊29'56	
	-3952 Apr 05 j 07:38	0°♋	
	-3952 Jun 05 j 06:51	0°♌	
desc. node	-3952 Jul 09 j 11:50	22°♌17'52	
	-3952 Jul 20 j 12:48	0°♍	
	-3952 Aug 30 j 09:09	0°♎	
	-3952 Oct 08 j 09:20	0°♏	
	-3952 Nov 16 j 00:45	0°♐	
	-3952 Dec 25 j 09:09	0°♑	
evening set	-3951 Feb 01 j 10:52	28°♑00'26	
	-3951 Feb 04 j 05:21	0°♒	
	-3951 Mar 19 j 00:09	0°♓	
conjunction	-3951 Mar 29 j 17:31	7°♓18'20	-0°30'24
minimum elong	-3951 Mar 29 j 18:57	7°♓20'46	0°30'27
max. Earth dist.	-3951 Apr 24 j 00:45	24°♓14'17	2.59357 AU
	-3951 May 02 j 18:32	0°♈	
morning rise	-3951 May 20 j 15:15	11°♈38'48	
asc. node	-3951 May 22 j 13:04	12°♈52'57	
	-3951 Jun 18 j 06:03	0°♉	
	-3951 Aug 05 j 03:28	0°♊	
	-3951 Sep 23 j 18:12	0°♋	
	-3951 Nov 16 j 15:46	0°♌	
retrograde	-3950 Feb 04 j 14:52	25°♌57'06	
opposition	-3950 Mar 10 j 22:10	19°♌05'39	4°05'03
greatest brilliancy	-3950 Mar 12 j 06:18	18°♌38'06	-2.2m
min. Earth dist.	-3950 Mar 19 j 09:00	16°♌12'36	0.48787 AU
direct	-3950 Apr 17 j 18:01	10°♌41'11	
desc. node	-3950 May 27 j 11:16	20°♌00'56	
	-3950 Jun 16 j 22:29	0°♍	
	-3950 Aug 03 j 14:08	0°♎	
	-3950 Sep 14 j 06:23	0°♏	
	-3950 Oct 24 j 13:35	0°♐	
	-3950 Dec 04 j 05:23	0°♑	
	-3949 Jan 15 j 03:58	0°♒	
	-3949 Feb 27 j 19:54	0°♓	
evening set	-3949 Mar 23 j 02:41	15°♓31'54	
asc. node	-3949 Apr 09 j 10:06	26°♓54'23	
	-3949 Apr 14 j 03:54	0°♈	
conjunction	-3949 May 12 j 02:33	18°♈04'38	0°18'21
minimum elong	-3949 May 12 j 01:51	18°♈03'30	0°18'23
max. Earth dist.	-3949 May 20 j 06:42	23°♈19'22	2.65804 AU
	-3949 May 30 j 17:02	0°♉	
morning rise	-3949 Jun 28 j 01:06	18°♉03'51	
	-3949 Jul 16 j 19:32	0°♊	
	-3949 Sep 01 j 23:26	0°♋	
	-3949 Oct 19 j 04:20	0°♌	
	-3949 Dec 06 j 02:28	0°♍	
	-3948 Jan 26 j 01:30	0°♎	
desc. node	-3948 Apr 13 j 11:52	28°♎50'21	
retrograde	-3948 Apr 16 j 22:32	28°♎54'56	
opposition	-3948 May 17 j 10:13	23°♎51'33	-2°29'45
greatest brilliancy	-3948 May 17 j 13:50	23°♎49'07	-2.9m
min. Earth dist.	-3948 May 19 j 19:39	23°♎12'46	0.38132 AU
direct	-3948 Jun 17 j 11:25	18°♎32'12	
	-3948 Jul 31 j 23:12	0°♏	
	-3948 Sep 23 j 02:44	0°♐	
	-3948 Nov 07 j 22:56	0°♑	
	-3948 Dec 22 j 23:19	0°♒	
	-3947 Feb 06 j 15:13	0°♓	
asc. node	-3947 Feb 24 j 07:57	11°♓27'43	
	-3947 Mar 25 j 05:20	0°♈	
evening set	-3947 May 02 j 06:45	24°♈13'00	
	-3947 May 11 j 09:17	0°♉	
max. Earth dist.	-3947 Jun 11 j 21:17	20°♉02'58	2.66867 AU
conjunction	-3947 Jun 18 j 08:10	24°♉10'25	0°55'39
minimum elong	-3947 Jun 18 j 06:55	24°♉08'25	0°55'46
	-3947 Jun 27 j 10:28	0°♊	
morning rise	-3947 Aug 02 j 13:43	23°♊22'08	
	-3947 Aug 12 j 16:58	0°♋	
	-3947 Sep 26 j 20:15	0°♌	
	-3947 Nov 09 j 19:47	0°♍	
	-3947 Dec 22 j 21:41	0°♎	
	-3946 Feb 03 j 14:33	0°♏	
desc. node	-3946 Mar 01 j 13:27	18°♏01'21	
	-3946 Mar 19 j 06:26	0°♐	
	-3946 May 07 j 20:41	0°♑	
retrograde	-3946 Jun 28 j 14:30	15°♑31'34	
min. Earth dist.	-3946 Jul 25 j 18:44	10°♑38'00	0.43221 AU
greatest brilliancy	-3946 Jul 31 j 23:22	8°♑36'53	-2.5m
opposition	-3946 Aug 02 j 13:39	8°♑05'29	-6°17'54
direct	-3946 Sep 03 j 02:48	1°♑59'37	
	-3946 Nov 22 j 20:19	0°♒	
asc. node	-3945 Jan 12 j 06:31	28°♒46'22	
	-3945 Jan 14 j 08:06	0°♓	
	-3945 Mar 04 j 23:09	0°♈	
	-3945 Apr 22 j 14:14	0°♉	
evening set	-3945 Jun 09 j 15:11	0°♊17'51	
	-3945 Jun 09 j 04:02	0°♊	
max. Earth dist.	-3945 Jul 06 j 18:05	17°♊49'38	2.62549 AU
	-3945 Jul 25 j 05:47	0°♋	
conjunction	-3945 Jul 26 j 09:27	0°♋45'55	1°11'07
minimum elong	-3945 Jul 26 j 09:22	0°♋45'47	1°11'17
	-3945 Sep 07 j 12:29	0°♌	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

morning rise	-3945 Sep 11 j 02:00	2°♌28'13	
	-3945 Oct 20 j 00:20	0°♍	
	-3945 Nov 30 j 00:29	0°♎	
	-3944 Jan 09 j 00:32	0°♏	
desc. node	-3944 Jan 17 j 12:40	6°♏25'40	
	-3944 Feb 17 j 18:01	0°♐	
	-3944 Mar 29 j 07:25	0°♑	
	-3944 May 11 j 17:46	0°♒	
	-3944 Jul 04 j 07:27	0°♓	
retrograde	-3944 Aug 15 j 14:53	10°♓23'55	
min. Earth dist.	-3944 Sep 16 j 21:31	3°♓20'39	0.55649 AU
opposition	-3944 Sep 23 j 11:47	0°♓47'28	-2°50'26
greatest brilliancy	-3944 Sep 22 j 20:59	1°♓01'49	-1.9m
	-3944 Sep 25 j 13:05	30°℞♒	
direct	-3944 Oct 29 j 09:57	22°♒41'08	
asc. node	-3944 Nov 29 j 06:14	27°♒54'34	
	-3944 Dec 05 j 15:32	0°♓	
	-3943 Feb 07 j 18:36	0°♈	
	-3943 Apr 01 j 06:52	0°♉	
	-3943 May 20 j 07:55	0°♊	
	-3943 Jul 05 j 18:54	0°♋	
evening set	-3943 Jul 18 j 14:49	8°♋34'38	
max. Earth dist.	-3943 Aug 04 j 12:27	20°♋05'10	2.53293 AU
	-3943 Aug 18 j 19:20	0°♌	
conjunction	-3943 Sep 06 j 05:48	13°♌03'00	0°53'40
minimum elong	-3943 Sep 06 j 07:33	13°♌06'07	0°53'46
	-3943 Sep 29 j 14:46	0°♍	
morning rise	-3943 Oct 29 j 05:26	22°♍04'05	
	-3943 Nov 08 j 16:30	0°♎	
desc. node	-3943 Dec 04 j 10:31	19°♎45'44	
	-3943 Dec 17 j 15:51	0°♏	
	-3942 Jan 25 j 07:29	0°♐	
	-3942 Mar 05 j 12:50	0°♑	
	-3942 Apr 15 j 09:02	0°♒	
	-3942 May 29 j 08:33	0°♓	
	-3942 Jul 19 j 09:20	0°♈	
retrograde	-3942 Sep 22 j 14:37	20°♈13'10	
asc. node	-3942 Oct 17 j 07:04	16°♈03'28	
min. Earth dist.	-3942 Oct 29 j 14:05	11°♈29'35	0.64406 AU
opposition	-3942 Nov 01 j 14:49	10°♈16'29	0°35'51
greatest brilliancy	-3942 Nov 01 j 12:56	10°♈18'22	-1.5m
direct	-3942 Dec 10 j 13:51	1°♈00'24	
	-3941 Mar 07 j 10:12	0°♉	
	-3941 Apr 29 j 18:20	0°♊	
	-3941 Jun 16 j 13:59	0°♋	
	-3941 Jul 30 j 21:37	0°♌	
evening set	-3941 Sep 03 j 16:07	24°♌57'09	
	-3941 Sep 10 j 12:20	0°♍	
max. Earth dist.	-3941 Sep 24 j 23:37	10°♍48'26	2.41047 AU
	-3941 Oct 20 j 03:54	0°♎	
desc. node	-3941 Oct 22 j 08:48	1°♎42'01	
conjunction	-3941 Oct 31 j 01:29	8°♎26'01	-0°06'14
minimum elong	-3941 Oct 31 j 00:59	8°♎25'03	0°06'15
behind sun begin	-3941 Oct 30 j 00:44	7°♎37'59	
behind sun end	-3941 Nov 01 j 01:15	9°♎12'09	
	-3941 Nov 27 j 15:42	0°♏	
morning rise	-3940 Jan 04 j 06:08	29°♏31'22	
	-3940 Jan 04 j 20:47	0°♐	
	-3940 Feb 12 j 16:22	0°♑	
	-3940 Mar 23 j 22:46	0°♒	
	-3940 May 05 j 11:57	0°♓	
	-3940 Jun 20 j 08:42	0°♈	
	-3940 Aug 11 j 08:56	0°♉	
asc. node	-3940 Sep 03 j 07:12	10°♉59'42	
retrograde	-3940 Oct 26 j 08:20	24°♉32'56	
opposition	-3940 Dec 05 j 03:22	14°♉58'02	3°09'44
greatest brilliancy	-3940 Dec 05 j 03:44	14°♉57'40	-1.3m
min. Earth dist.	-3940 Dec 05 j 21:03	14°♉40'21	0.67197 AU
direct	-3939 Jan 14 j 21:55	5°♉05'17	
	-3939 Apr 02 j 21:14	0°♊	
	-3939 May 25 j 06:50	0°♋	
	-3939 Jul 09 j 22:24	0°♌	
	-3939 Aug 20 j 21:20	0°♍	
desc. node	-3939 Sep 08 j 06:26	13°♍44'47	
	-3939 Sep 29 j 12:24	0°♎	
evening set	-3939 Nov 02 j 22:36	26°♎53'30	
	-3939 Nov 06 j 21:20	0°♏	
	-3939 Dec 15 j 00:15	0°♐	
conjunction	-3938 Jan 07 j 14:36	18°♐21'09	-1°05'15
minimum elong	-3938 Jan 07 j 12:58	18°♐17'59	1°05'23
	-3938 Jan 22 j 19:21	0°♑	
max. Earth dist.	-3938 Feb 26 j 01:51	25°♑37'33	2.42727 AU
	-3938 Mar 04 j 01:28	0°♒	
morning rise	-3938 Mar 14 j 02:31	7°♒16'02	
	-3938 Apr 15 j 08:57	0°♓	
	-3938 May 30 j 03:10	0°♈	
	-3938 Jul 16 j 20:07	0°♉	
asc. node	-3938 Jul 22 j 06:43	3°♉16'44	
	-3938 Sep 07 j 11:36	0°♊	
retrograde	-3938 Dec 01 j 21:21	28°♊41'15	
opposition	-3937 Jan 09 j 08:58	19°♊51'44	4°47'40
greatest brilliancy	-3937 Jan 10 j 01:14	19°♊35'55	-1.4m
min. Earth dist.	-3937 Jan 13 j 22:22	18°♊05'23	0.63592 AU
direct	-3937 Feb 19 j 13:34	9°♊52'17	
	-3937 Apr 26 j 18:05	0°♋	
	-3937 Jun 17 j 00:16	0°♌	
desc. node	-3937 Jul 27 j 04:23	27°♌32'31	
	-3937 Jul 30 j 14:20	0°♍	
	-3937 Sep 08 j 20:13	0°♎	
	-3937 Oct 17 j 12:43	0°♏	
	-3937 Nov 24 j 22:03	0°♐	
	-3936 Jan 03 j 00:32	0°♑	
evening set	-3936 Jan 10 j 04:08	5°♑22'45	
	-3936 Feb 12 j 14:44	0°♒	
conjunction	-3936 Mar 09 j 22:06	18°♒43'00	-0°48'27
minimum elong	-3936 Mar 10 j 00:15	18°♒46'45	0°48'32
	-3936 Mar 26 j 04:11	0°♓	
max. Earth dist.	-3936 Apr 11 j 22:37	11°♓25'47	2.55398 AU
morning rise	-3936 May 03 j 22:55	26°♓08'00	
	-3936 May 09 j 19:43	0°♈	
asc. node	-3936 Jun 08 j 05:45	19°♈04'42	
	-3936 Jun 25 j 10:04	0°♉	
	-3936 Aug 12 j 22:50	0°♊	
	-3936 Oct 03 j 13:57	0°♋	
	-3936 Dec 05 j 22:18	0°♌	
retrograde	-3935 Jan 14 j 04:29	7°♌47'09	
opposition	-3935 Feb 18 j 23:40	0°♌13'34	4°53'43
	-3935 Feb 19 j 14:39	30°℞♋	
greatest brilliancy	-3935 Feb 20 j 08:57	29°♋43'23	-1.9m
min. Earth dist.	-3935 Feb 26 j 21:07	27°♋22'14	0.53845 AU
direct	-3935 Mar 30 j 11:21	21°♋01'30	
	-3935 May 09 j 01:10	0°♌	
desc. node	-3935 Jun 13 j 03:48	17°♌48'38	
	-3935 Jul 02 j 19:47	0°♍	
	-3935 Aug 15 j 00:35	0°♎	
	-3935 Sep 24 j 03:18	0°♏	
	-3935 Nov 02 j 12:32	0°♐	
	-3935 Dec 12 j 11:55	0°♑	
	-3934 Jan 22 j 21:14	0°♒	
evening set	-3934 Mar 05 j 04:25	28°♒41'19	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-3934 Mar 07 j 02:44	0°♓		
	-3934 Apr 21 j 03:42	0°♈		
conjunction	-3934 Apr 26 j 04:16	3°♈16'57	0°00'02	
minimum elong	-3934 Apr 26 j 04:12	3°♈16'52	0°00'02	
behind sun begin	-3934 Apr 25 j 10:05	2°♈47'20		
behind sun end	-3934 Apr 26 j 22:19	3°♈46'23		
asc. node	-3934 Apr 26 j 02:41	3°♈14'25		
max. Earth dist.	-3934 May 10 j 15:17	12°♈40'23	2.63917 AU	
	-3934 Jun 06 j 14:25	0°♉		
morning rise	-3934 Jun 13 j 14:47	4°♉28'37		
	-3934 Jul 23 j 21:21	0°♊		
	-3934 Sep 09 j 17:16	0°♋		
	-3934 Oct 28 j 12:04	0°♌		
	-3934 Dec 19 j 08:24	0°♍		
	-3933 Mar 03 j 09:15	0°♎		
retrograde	-3933 Mar 17 j 16:37	1°♎12'34		
	-3933 Mar 31 j 16:46	30°℞♍		
opposition	-3933 Apr 18 j 08:16	25°♍37'17	0°53'06	
greatest brilliancy	-3933 Apr 18 j 15:05	25°♍32'16	-2.7m	
min. Earth dist.	-3933 Apr 25 j 00:46	23°♍39'31	0.41175 AU	
desc. node	-3933 May 01 j 04:37	21°♍58'55		
direct	-3933 May 22 j 03:18	19°♍07'42		
	-3933 Jul 03 j 21:02	0°♎		
	-3933 Aug 24 j 21:19	0°♏		
	-3933 Oct 07 j 17:56	0°♐		
	-3933 Nov 19 j 11:00	0°♑		
	-3932 Jan 01 j 19:13	0°♒		
	-3932 Feb 15 j 10:40	0°♓		
asc. node	-3932 Mar 12 j 23:33	17°♓24'34		
	-3932 Apr 01 j 10:01	0°♈		
evening set	-3932 Apr 16 j 20:47	9°♈55'55		
	-3932 May 18 j 06:27	0°♉		
conjunction	-3932 Jun 03 j 17:38	10°♉29'49	0°43'16	
minimum elong	-3932 Jun 03 j 16:23	10°♉27'48	0°43'21	
max. Earth dist.	-3932 Jun 02 j 17:08	9°♉50'46	2.67105 AU	
	-3932 Jul 04 j 06:36	0°♊		
morning rise	-3932 Jul 19 j 06:51	9°♊37'50		
	-3932 Aug 19 j 19:08	0°♋		
	-3932 Oct 04 j 12:44	0°♌		
	-3932 Nov 18 j 13:16	0°♍		
	-3931 Jan 02 j 06:58	0°♎		
	-3931 Feb 16 j 18:44	0°♏		
desc. node	-3931 Mar 18 j 05:21	18°♏16'49		
	-3931 Apr 08 j 04:35	0°♐		
retrograde	-3931 Jun 03 j 15:33	17°♐24'17		
min. Earth dist.	-3931 Jun 30 j 12:26	12°♐56'51	0.39301 AU	
opposition	-3931 Jul 05 j 23:47	11°♐22'14	-6°20'15	
greatest brilliancy	-3931 Jul 04 j 19:11	11°♐42'58	-2.8m	
direct	-3931 Aug 05 j 04:15	6°♐05'51		
	-3931 Oct 15 j 13:10	0°♑		
	-3931 Dec 06 j 06:23	0°♒		
	-3930 Jan 23 j 18:37	0°♓		
asc. node	-3930 Jan 28 j 22:11	3°♓12'35		
	-3930 Mar 12 j 20:00	0°♈		
	-3930 Apr 29 j 17:52	0°♉		
evening set	-3930 May 25 j 18:17	16°♉25'39		
	-3930 Jun 16 j 01:06	0°♊		
max. Earth dist.	-3930 Jun 26 j 20:05	6°♊56'24	2.64885 AU	
conjunction	-3930 Jul 11 j 07:16	16°♊19'07	1°08'19	
minimum elong	-3930 Jul 11 j 06:33	16°♊17'57	1°08'29	
	-3930 Aug 01 j 03:35	0°♋		
morning rise	-3930 Aug 25 j 23:16	16°♋34'47		
	-3930 Sep 14 j 16:41	0°♌		
	-3930 Oct 27 j 15:36	0°♍		
	-3930 Dec 08 j 06:14	0°♎		
	-3929 Jan 17 j 23:17	0°♏		
desc. node	-3929 Feb 03 j 06:35	12°♏05'11		
	-3929 Feb 27 j 13:04	0°♐		
	-3929 Apr 10 j 10:31	0°♑		
	-3929 May 27 j 12:08	0°♒		
retrograde	-3929 Jul 30 j 12:05	21°♒46'26		
min. Earth dist.	-3929 Aug 29 j 14:49	15°♒33'42	0.50936 AU	
greatest brilliancy	-3929 Sep 05 j 05:32	13°♒06'43	-2.1m	
opposition	-3929 Sep 06 j 07:28	12°♒42'35	-4°20'27	
direct	-3929 Oct 10 j 16:09	5°♒16'50		
asc. node	-3929 Dec 16 j 21:09	25°♒30'03		
	-3929 Dec 25 j 23:51	0°♓		
	-3928 Feb 18 j 16:55	0°♈		
	-3928 Apr 09 j 04:28	0°♉		
	-3928 May 27 j 12:09	0°♊		
evening set	-3928 Jul 02 j 13:44	23°♊16'10		
	-3928 Jul 12 j 18:14	0°♋		
max. Earth dist.	-3928 Jul 22 j 21:58	6°♋46'50	2.57479 AU	
conjunction	-3928 Aug 19 j 14:04	25°♋38'57	1°05'12	
minimum elong	-3928 Aug 19 j 15:12	25°♋40'54	1°05'21	
	-3928 Aug 25 j 20:22	0°♌		
	-3928 Oct 06 j 21:18	0°♍		
morning rise	-3928 Oct 08 j 07:22	1°♍02'10		
	-3928 Nov 16 j 06:25	0°♎		
desc. node	-3928 Dec 21 j 05:28	26°♎39'55		
	-3928 Dec 25 j 13:32	0°♏		
	-3927 Feb 02 j 12:23	0°♐		
	-3927 Mar 14 j 01:23	0°♑		
	-3927 Apr 24 j 10:20	0°♒		
	-3927 Jun 08 j 21:12	0°♓		
	-3927 Aug 07 j 17:07	0°♈		
retrograde	-3927 Sep 08 j 13:41	5°♈57'28		
	-3927 Oct 08 j 03:54	30°℞♓		
min. Earth dist.	-3927 Oct 13 j 20:38	27°♓48'20	0.61631 AU	
opposition	-3927 Oct 18 j 07:57	26°♓01'09	-0°37'58	
greatest brilliancy	-3927 Oct 18 j 05:43	26°♓03'22	-1.6m	
asc. node	-3927 Nov 02 j 21:01	20°♓26'09		
direct	-3927 Nov 25 j 05:48	17°♓07'28		
	-3926 Jan 16 j 15:17	0°♈		
	-3926 Mar 17 j 17:51	0°♉		
	-3926 May 07 j 19:07	0°♊		
	-3926 Jun 23 j 22:27	0°♋		
	-3926 Aug 07 j 01:59	0°♌		
evening set	-3926 Aug 15 j 01:59	5°♌38'11		
max. Earth dist.	-3926 Aug 30 j 14:38	16°♌44'50	2.45889 AU	
	-3926 Sep 17 j 17:49	0°♍		
conjunction	-3926 Oct 07 j 17:23	14°♍55'21	0°21'44	
minimum elong	-3926 Oct 07 j 18:44	14°♍57'53	0°21'46	
	-3926 Oct 27 j 12:41	0°♎		
desc. node	-3926 Nov 08 j 02:26	8°♎55'07		
	-3926 Dec 05 j 04:19	0°♏		
morning rise	-3926 Dec 06 j 21:27	1°♏20'27		
	-3925 Jan 12 j 12:33	0°♐		
	-3925 Feb 20 j 10:28	0°♑		
	-3925 Apr 01 j 19:38	0°♒		
	-3925 May 14 j 15:55	0°♓		
	-3925 Jun 30 j 13:34	0°♈		
	-3925 Aug 26 j 19:18	0°♉		
asc. node	-3925 Sep 20 j 22:29	8°♉36'01		
retrograde	-3925 Oct 13 j 22:04	11°♉39'47		
opposition	-3925 Nov 22 j 22:00	1°♉53'14	2°16'24	
min. Earth dist.	-3925 Nov 22 j 03:56	2°♉11'23	0.66842 AU	
greatest brilliancy	-3925 Nov 22 j 19:21	1°♉55'54	-1.4m	
	-3925 Nov 27 j 15:32	30°℞♈		

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

direct	-3924 Jan 02 j 02:48	22°♈11'36	
	-3924 Feb 10 j 12:58	0°♉	
	-3924 Apr 13 j 19:27	0°♊	
	-3924 Jun 02 j 16:45	0°♋	
	-3924 Jul 17 j 15:51	0°♌	
	-3924 Aug 28 j 10:00	0°♍	
desc. node	-3924 Sep 24 j 23:52	20°♍45'52	
	-3924 Oct 07 j 00:16	0°♎	
evening set	-3924 Oct 08 j 03:58	0°♎53'31	
	-3924 Nov 14 j 09:29	0°♏	
conjunction	-3924 Dec 10 j 18:16	20°♏46'16	-0°49'38
minimum elong	-3924 Dec 10 j 14:59	20°♏39'50	0°49'43
	-3924 Dec 22 j 12:19	0°♐	
max. Earth dist.	-3923 Jan 12 j 10:38	16°♐18'06	2.38256 AU
	-3923 Jan 30 j 06:37	0°♑	
morning rise	-3923 Feb 16 j 18:54	13°♑13'54	
	-3923 Mar 11 j 11:38	0°♒	
	-3923 Apr 22 j 19:09	0°♓	
	-3923 Jun 06 j 19:02	0°♈	
	-3923 Jul 25 j 11:09	0°♉	
asc. node	-3923 Aug 07 j 23:09	7°♉45'00	
	-3923 Sep 20 j 11:03	0°♊	
retrograde	-3923 Nov 17 j 04:01	15°♊19'21	
opposition	-3923 Dec 26 j 06:53	6°♊09'18	4°17'15
greatest brilliancy	-3923 Dec 26 j 15:51	6°♊00'28	-1.4m
min. Earth dist.	-3923 Dec 29 j 08:23	4°♊56'51	0.65765 AU
	-3922 Jan 12 j 01:17	30°℞♉	
direct	-3922 Feb 05 j 11:54	26°♉08'14	
	-3922 Mar 03 j 20:42	0°♊	
	-3922 May 09 j 07:31	0°♋	
	-3922 Jun 26 j 06:54	0°♌	
	-3922 Aug 07 j 23:50	0°♍	
desc. node	-3922 Aug 12 j 22:15	3°♍37'19	
	-3922 Sep 16 j 21:33	0°♎	
	-3922 Oct 25 j 09:33	0°♏	
	-3922 Dec 02 j 14:55	0°♐	
evening set	-3922 Dec 15 j 12:30	10°♐02'05	
	-3921 Jan 10 j 13:04	0°♑	
conjunction	-3921 Feb 16 j 18:35	27°♑41'37	-1°02'17
minimum elong	-3921 Feb 16 j 20:28	27°♑45'02	1°02'25
	-3921 Feb 19 j 22:43	0°♒	
max. Earth dist.	-3921 Mar 29 j 20:12	26°♒53'12	2.50774 AU
	-3921 Apr 03 j 08:14	0°♓	
morning rise	-3921 Apr 16 j 15:27	9°♓06'10	
	-3921 May 17 j 22:47	0°♈	
asc. node	-3921 Jun 25 j 21:20	25°♈02'21	
	-3921 Jul 03 j 19:10	0°♉	
	-3921 Aug 22 j 07:51	0°♊	
	-3921 Oct 16 j 13:55	0°♋	
retrograde	-3921 Dec 27 j 12:20	21°♋43'38	
opposition	-3920 Feb 02 j 13:14	13°♋35'35	5°07'39
greatest brilliancy	-3920 Feb 03 j 17:18	13°♋09'11	-1.7m
min. Earth dist.	-3920 Feb 09 j 07:12	11°♋03'29	0.58315 AU
direct	-3920 Mar 14 j 00:58	3°♋55'11	
	-3920 May 28 j 03:47	0°♌	
desc. node	-3920 Jun 29 j 20:27	20°♌13'41	
	-3920 Jul 14 j 06:49	0°♍	
	-3920 Aug 24 j 18:03	0°♎	
	-3920 Oct 03 j 01:52	0°♏	
	-3920 Nov 10 j 22:16	0°♐	
	-3920 Dec 20 j 10:43	0°♑	
	-3919 Jan 30 j 10:19	0°♒	
evening set	-3919 Feb 13 j 12:37	10°♒01'00	
	-3919 Mar 14 j 07:32	0°♓	
conjunction	-3919 Apr 09 j 02:25	17°♓24'35	-0°19'19
minimum elong	-3919 Apr 09 j 03:19	17°♓26'05	0°19'20
	-3919 Apr 28 j 03:07	0°♈	
max. Earth dist.	-3919 Apr 30 j 08:25	1°♈27'25	2.61199 AU
asc. node	-3919 May 12 j 19:11	9°♈34'46	
morning rise	-3919 May 29 j 14:15	20°♈25'46	
	-3919 Jun 13 j 13:11	0°♉	
	-3919 Jul 31 j 03:53	0°♊	
	-3919 Sep 17 j 23:36	0°♋	
	-3919 Nov 08 j 09:13	0°♌	
	-3918 Jan 09 j 23:55	0°♍	
retrograde	-3918 Feb 18 j 05:24	7°♍54'55	
opposition	-3918 Mar 23 j 15:34	1°♍30'00	3°14'26
greatest brilliancy	-3918 Mar 24 j 18:08	1°♍08'13	-2.4m
	-3918 Mar 28 j 05:06	30°℞♌	
min. Earth dist.	-3918 Mar 31 j 23:48	28°♌46'59	0.45891 AU
direct	-3918 Apr 29 j 04:37	23°♌41'51	
desc. node	-3918 May 17 j 20:58	25°♌59'13	
	-3918 May 31 j 00:50	0°♍	
	-3918 Jul 26 j 00:17	0°♎	
	-3918 Sep 07 j 09:52	0°♏	
	-3918 Oct 18 j 12:47	0°♐	
	-3918 Nov 28 j 17:14	0°♑	
	-3917 Jan 10 j 01:05	0°♒	
	-3917 Feb 22 j 23:32	0°♓	
asc. node	-3917 Mar 30 j 15:51	23°♓35'32	
evening set	-3917 Apr 01 j 18:33	24°♓58'17	
	-3917 Apr 09 j 11:53	0°♈	
conjunction	-3917 May 20 j 20:51	26°♈38'45	0°28'09
minimum elong	-3917 May 20 j 19:52	26°♈37'09	0°28'12
max. Earth dist.	-3917 May 25 j 16:59	29°♈44'19	2.66507 AU
	-3917 May 26 j 02:48	0°♉	
morning rise	-3917 Jul 06 j 04:08	26°♉11'01	
	-3917 Jul 12 j 03:46	0°♊	
	-3917 Aug 28 j 01:21	0°♋	
	-3917 Oct 13 j 15:25	0°♌	
	-3917 Nov 29 j 06:24	0°♍	
	-3916 Jan 16 j 01:03	0°♎	
	-3916 Mar 09 j 08:07	0°♏	
desc. node	-3916 Apr 03 j 23:15	10°♏46'54	
retrograde	-3916 May 04 j 20:52	16°♏24'46	
opposition	-3916 Jun 04 j 11:09	11°♏18'23	-4°22'09
greatest brilliancy	-3916 Jun 04 j 06:10	11°♏21'42	-2.9m
min. Earth dist.	-3916 Jun 03 j 18:25	11°♏29'30	0.37656 AU
direct	-3916 Jul 04 j 10:44	6°♏17'45	
	-3916 Sep 11 j 18:56	0°♐	
	-3916 Oct 31 j 09:59	0°♑	
	-3916 Dec 16 j 21:53	0°♒	
	-3915 Feb 01 j 07:53	0°♓	
asc. node	-3915 Feb 14 j 12:43	8°♓27'44	
	-3915 Mar 20 j 08:18	0°♈	
	-3915 May 06 j 17:42	0°♉	
evening set	-3915 May 10 j 22:29	2°♉39'34	
max. Earth dist.	-3915 Jun 17 j 07:16	26°♉26'15	2.66394 AU
	-3915 Jun 22 j 20:40	0°♊	
conjunction	-3915 Jun 26 j 16:39	2°♊27'38	1°01'22
minimum elong	-3915 Jun 26 j 15:31	2°♊25'49	1°01'30
	-3915 Aug 08 j 01:38	0°♋	
morning rise	-3915 Aug 10 j 22:12	1°♋52'56	
	-3915 Sep 21 j 23:22	0°♌	
	-3915 Nov 04 j 13:12	0°♍	
	-3915 Dec 17 j 00:24	0°♎	
	-3914 Jan 27 j 20:03	0°♏	
desc. node	-3914 Feb 19 j 23:25	16°♏34'39	
	-3914 Mar 10 j 23:04	0°♐	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-3914 Apr 24 j 23:46	0°♉	
retrograde	-3914 Jul 10 j 23:49	29°♉55'51	
min. Earth dist.	-3914 Aug 08 j 00:25	24°♉36'36	0.45880 AU
greatest brilliancy	-3914 Aug 14 j 15:39	22°♉19'39	-2.4m
opposition	-3914 Aug 16 j 03:39	21°♉48'31	-5°44'05
direct	-3914 Sep 17 j 17:02	15°♉12'48	
	-3914 Nov 11 j 10:23	0°♒	
asc. node	-3913 Jan 02 j 12:01	27°♒06'22	
	-3913 Jan 07 j 14:06	0°♓	
	-3913 Feb 27 j 12:39	0°♈	
	-3913 Apr 17 j 16:57	0°♉	
	-3913 Jun 04 j 12:32	0°♊	
evening set	-3913 Jun 18 j 05:59	8°♊48'00	
max. Earth dist.	-3913 Jul 12 j 19:49	24°♊48'50	2.60954 AU
	-3913 Jul 20 j 16:02	0°♋	
conjunction	-3913 Aug 04 j 07:19	9°♋47'03	1°10'31
minimum elong	-3913 Aug 04 j 07:39	9°♋47'37	1°10'41
	-3913 Sep 02 j 21:15	0°♌	
morning rise	-3913 Sep 20 j 19:54	12°♌33'49	
	-3913 Oct 15 j 05:13	0°♍	
	-3913 Nov 24 j 23:32	0°♎	
	-3912 Jan 03 j 16:50	0°♏	
desc. node	-3912 Jan 07 j 22:16	3°♏13'06	
	-3912 Feb 12 j 02:13	0°♐	
	-3912 Mar 23 j 04:04	0°♑	
	-3912 May 04 j 13:16	0°♒	
	-3912 Jun 22 j 08:13	0°♓	
retrograde	-3912 Aug 24 j 16:40	20°♓25'45	
min. Earth dist.	-3912 Sep 27 j 02:30	12°♓56'46	0.57994 AU
opposition	-3912 Oct 02 j 22:52	10°♓38'44	-2°00'04
greatest brilliancy	-3912 Oct 02 j 13:31	10°♓47'56	-1.8m
direct	-3912 Nov 08 j 14:54	2°♓13'33	
asc. node	-3912 Nov 19 j 12:24	2°♓57'16	
	-3911 Jan 31 j 08:55	0°♈	
	-3911 Mar 26 j 17:57	0°♉	
	-3911 May 15 j 09:43	0°♊	
	-3911 Jul 01 j 02:28	0°♋	
evening set	-3911 Jul 28 j 05:25	18°♋15'26	
max. Earth dist.	-3911 Aug 12 j 22:44	29°♋08'06	2.50777 AU
	-3911 Aug 14 j 04:26	0°♌	
conjunction	-3911 Sep 17 j 00:45	24°♌11'25	0°43'59
minimum elong	-3911 Sep 17 j 02:38	24°♌14'50	0°44'04
	-3911 Sep 24 j 23:05	0°♍	
	-3911 Nov 03 j 22:31	0°♎	
morning rise	-3911 Nov 11 j 06:43	5°♎37'08	
desc. node	-3911 Nov 24 j 20:28	16°♎04'42	
	-3911 Dec 12 j 19:00	0°♏	
	-3910 Jan 20 j 07:24	0°♐	
	-3910 Feb 28 j 08:55	0°♑	
	-3910 Apr 09 j 23:17	0°♒	
	-3910 May 23 j 08:39	0°♓	
	-3910 Jul 11 j 05:05	0°♈	
retrograde	-3910 Sep 30 j 11:37	28°♈28'56	
asc. node	-3910 Oct 07 j 12:58	28°♈08'51	
min. Earth dist.	-3910 Nov 07 j 07:25	19°♈28'08	0.65534 AU
opposition	-3910 Nov 09 j 12:40	18°♈34'31	1°15'12
greatest brilliancy	-3910 Nov 09 j 09:35	18°♈37'37	-1.4m
direct	-3910 Dec 18 j 23:20	9°♈08'07	
	-3909 Feb 27 j 11:42	0°♉	
	-3909 Apr 24 j 02:39	0°♊	
	-3909 Jun 11 j 13:38	0°♋	
	-3909 Jul 26 j 02:38	0°♌	
	-3909 Sep 05 j 18:59	0°♍	
evening set	-3909 Sep 15 j 19:56	7°♍28'44	
desc. node	-3909 Oct 12 j 17:26	27°♍54'59	
	-3909 Oct 15 j 10:22	0°♎	
max. Earth dist.	-3909 Oct 17 j 13:53	1°♎39'24	2.38808 AU
conjunction	-3909 Nov 14 j 12:16	23°♎25'10	-0°23'08
minimum elong	-3909 Nov 14 j 10:23	23°♎21'28	0°23'10
	-3909 Nov 22 j 21:26	0°♏	
	-3909 Dec 31 j 01:30	0°♐	
morning rise	-3908 Jan 20 j 15:57	16°♐02'30	
	-3908 Feb 07 j 19:56	0°♑	
	-3908 Mar 19 j 00:47	0°♒	
	-3908 Apr 30 j 10:04	0°♓	
	-3908 Jun 14 j 19:55	0°♈	
	-3908 Aug 04 j 03:32	0°♉	
asc. node	-3908 Aug 24 j 13:39	10°♉44'06	
	-3908 Oct 13 j 21:43	0°♊	
retrograde	-3908 Nov 03 j 04:30	2°♊21'40	
	-3908 Nov 22 j 03:56	30°℞♉	
opposition	-3908 Dec 12 j 18:36	22°♉54'39	3°37'03
greatest brilliancy	-3908 Dec 12 j 21:34	22°♉51'41	-1.3m
min. Earth dist.	-3908 Dec 14 j 08:12	22°♉17'12	0.66960 AU
direct	-3907 Jan 22 j 18:05	12°♉57'31	
	-3907 Mar 25 j 06:44	0°♊	
	-3907 May 19 j 09:54	0°♋	
	-3907 Jul 04 j 17:42	0°♌	
	-3907 Aug 15 j 22:26	0°♍	
desc. node	-3907 Aug 29 j 15:08	10°♍11'00	
	-3907 Sep 24 j 15:32	0°♎	
	-3907 Nov 02 j 01:19	0°♏	
evening set	-3907 Nov 18 j 08:19	12°♏50'09	
	-3907 Dec 10 j 04:39	0°♐	
	-3906 Jan 18 j 00:09	0°♑	
conjunction	-3906 Jan 22 j 20:55	3°♑41'34	-1°07'44
minimum elong	-3906 Jan 22 j 20:52	3°♑41'29	1°07'53
	-3906 Feb 27 j 06:45	0°♒	
max. Earth dist.	-3906 Mar 11 j 15:38	8°♒56'18	2.45660 AU
morning rise	-3906 Mar 27 j 01:36	19°♒53'06	
	-3906 Apr 10 j 13:49	0°♓	
	-3906 May 25 j 05:13	0°♈	
	-3906 Jul 11 j 11:48	0°♉	
asc. node	-3906 Jul 12 j 13:17	0°♉39'06	
	-3906 Aug 31 j 14:54	0°♊	
	-3906 Nov 03 j 14:55	0°♋	
retrograde	-3906 Dec 10 j 19:10	7°♋04'08	
	-3905 Jan 13 j 18:35	30°℞♊	
opposition	-3905 Jan 17 j 19:43	28°♊27'49	4°59'17
greatest brilliancy	-3905 Jan 18 j 16:19	28°♊07'59	-1.5m
min. Earth dist.	-3905 Jan 23 j 04:24	26°♊23'54	0.61989 AU
direct	-3905 Feb 27 j 20:32	18°♊32'15	
	-3905 Apr 16 j 00:43	0°♋	
	-3905 Jun 10 j 11:56	0°♌	
desc. node	-3905 Jul 17 j 14:45	24°♌46'25	
	-3905 Jul 24 j 23:58	0°♍	
	-3905 Sep 03 j 14:04	0°♎	
	-3905 Oct 12 j 10:47	0°♏	
	-3905 Nov 19 j 22:50	0°♐	
	-3905 Dec 29 j 03:29	0°♑	
evening set	-3904 Jan 23 j 17:02	19°♑00'32	
	-3904 Feb 07 j 19:47	0°♒	
conjunction	-3904 Mar 21 j 11:43	0°♓01'40	-0°38'19
minimum elong	-3904 Mar 21 j 13:31	0°♓04'46	0°38'23
	-3904 Mar 21 j 10:45	0°♓	
max. Earth dist.	-3904 Apr 19 j 02:40	19°♓24'14	2.57689 AU
	-3904 May 05 j 02:40	0°♈	
morning rise	-3904 May 13 j 16:25	5°♈37'04	
asc. node	-3904 May 29 j 10:17	15°♈49'47	

Attention, astronomical year style is used: The year -4400 in astronomical counting style is the year 4401 BCE in historical counting style.

	-3904 Jun 20 j 14:08	0°♉	
	-3904 Aug 07 j 16:45	0°♊	
	-3904 Sep 27 j 00:27	0°♋	
	-3904 Nov 22 j 13:23	0°♌	
retrograde	-3903 Jan 25 j 22:17	18°♌14'01	
opposition	-3903 Mar 01 j 22:38	11°♌02'32	4°30'38
greatest brilliancy	-3903 Mar 03 j 08:10	10°♌32'55	-2.1m
min. Earth dist.	-3903 Mar 10 j 05:30	8°♌07'46	0.51108 AU
direct	-3903 Apr 09 j 13:43	2°♌14'03	
desc. node	-3903 Jun 03 j 14:08	18°♌32'55	
	-3903 Jun 24 j 02:01	0°♍	
	-3903 Aug 08 j 07:22	0°♎	
	-3903 Sep 18 j 04:33	0°♏	
	-3903 Oct 28 j 00:26	0°♐	
	-3903 Dec 07 j 07:12	0°♑	
	-3902 Jan 17 j 22:21	0°♒	
	-3902 Mar 02 j 08:02	0°♓	
evening set	-3902 Mar 15 j 14:54	8°♓56'20	
asc. node	-3902 Apr 16 j 07:18	29°♓52'38	
	-3902 Apr 16 j 11:48	0°♈	
conjunction	-3902 May 05 j 10:38	12°♈18'59	0°10'53
minimum elong	-3902 May 05 j 10:12	12°♈18'15	0°10'55
behind sun begin	-3902 May 04 j 19:17	11°♈54'10	
behind sun end	-3902 May 06 j 01:06	12°♈42'20	
max. Earth dist.	-3902 May 16 j 09:24	19°♈22'30	2.65068 AU
	-3902 Jun 01 j 23:01	0°♉	
morning rise	-3902 Jun 21 j 23:23	12°♉45'48	
	-3902 Jul 19 j 03:00	0°♊	
	-3902 Sep 04 j 13:21	0°♋	
	-3902 Oct 22 j 08:42	0°♌	
	-3902 Dec 10 j 15:22	0°♍	
	-3901 Feb 03 j 21:07	0°♎	
retrograde	-3901 Apr 04 j 00:01	16°♎42'07	
desc. node	-3901 Apr 21 j 14:34	14°♎47'47	
opposition	-3901 May 04 j 19:19	11°♎28'58	-0°57'26
greatest brilliancy	-3901 May 04 j 22:48	11°♎26'33	-2.9m
min. Earth dist.	-3901 May 09 j 09:52	10°♎11'55	0.39185 AU
direct	-3901 Jun 06 j 00:35	5°♎42'07	
	-3901 Aug 13 j 14:59	0°♏	
	-3901 Sep 29 j 23:24	0°♐	
	-3901 Nov 13 j 02:43	0°♑	
	-3901 Dec 27 j 06:06	0°♒	
	-3900 Feb 10 j 09:06	0°♓	
asc. node	-3900 Mar 03 j 05:15	14°♓14'36	
	-3900 Mar 27 j 15:32	0°♈	
evening set	-3900 Apr 25 j 18:43	18°♈37'25	
	-3900 May 13 j 15:30	0°♉	
max. Earth dist.	-3900 Jun 08 j 02:32	16°♉12'48	2.67077 AU
conjunction	-3900 Jun 12 j 03:39	18°♉47'38	0°50'50
minimum elong	-3900 Jun 12 j 02:22	18°♉45'35	0°50'56
	-3900 Jun 29 j 16:13	0°♊	
morning rise	-3900 Jul 27 j 11:02	17°♊53'45	
	-3900 Aug 15 j 01:45	0°♋	
	-3900 Sep 29 j 11:29	0°♌	
	-3900 Nov 12 j 21:47	0°♍	
	-3900 Dec 26 j 15:18	0°♎	
	-3899 Feb 08 j 07:55	0°♏	
desc. node	-3899 Mar 08 j 16:19	18°♏59'01	
	-3899 Mar 25 j 20:48	0°♐	
	-3899 May 24 j 04:57	0°♑	
retrograde	-3899 Jun 18 j 06:39	4°♑10'08	
	-3899 Jul 13 j 13:04	30°℞♐	
min. Earth dist.	-3899 Jul 15 j 01:03	29°♐33'12	0.41257 AU
greatest brilliancy	-3899 Jul 20 j 14:25	27°♐50'11	-2.7m
opposition	-3899 Jul 22 j 02:54	27°♐21'48	-6°31'00

direct	-3899 Aug 21 j 22:33	21°♐39'58	
	-3899 Sep 29 j 15:04	0°♑	
	-3899 Nov 28 j 09:46	0°♒	