

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-12400 Jan 26 j 23:49	9° \mathbb{M} 03'17	-0°28'32	max. Earth dist.	-12399 Jan 09 j 17:48	22° \mathbb{A} 29'30	1.32844 AU
minimum elong	-12400 Jan 27 j 00:56	9° \mathbb{M} 09'25	0°28'46				
max. Earth dist.	-12400 Jan 27 j 04:52	9° \mathbb{M} 30'53	1.32805 AU	superior conj	-12399 Jan 10 j 11:36	24° \mathbb{A} 06'30	-0°49'07
asc. node	-12400 Jan 30 j 01:22	15° \mathbb{M} 43'27		minimum elong	-12399 Jan 10 j 13:20	24° \mathbb{A} 15'56	0°49'07
evening rise	-12400 Feb 03 j 02:35	24° \mathbb{M} 19'21			-12399 Jan 13 j 04:27	0° \mathbb{M}	
	-12400 Feb 05 j 21:32	0° \mathbb{A}		asc. node	-12399 Jan 15 j 22:41	5° \mathbb{M} 57'03	
	-12400 Feb 23 j 18:20	0° \mathbb{B}		evening rise	-12399 Jan 17 j 12:18	9° \mathbb{M} 15'52	
evening max el	-12400 Mar 03 j 19:33	10° \mathbb{B} 32'19	26°36'28		-12399 Jan 28 j 09:00	0° \mathbb{A}	
retrograde	-12400 Mar 17 j 22:40	17° \mathbb{B} 56'42		evening max el	-12399 Feb 13 j 16:44	21° \mathbb{A} 51'36	25°26'35
desc. node	-12400 Mar 18 j 08:40	17° \mathbb{B} 56'15		retrograde	-12399 Feb 27 j 17:52	29° \mathbb{A} 00'07	
evening set	-12400 Mar 24 j 01:59	16° \mathbb{B} 19'01		evening set	-12399 Mar 04 j 22:32	27° \mathbb{A} 56'31	
min. Earth dist.	-12400 Mar 28 j 09:01	13° \mathbb{B} 28'07	0.59617 AU	desc. node	-12399 Mar 05 j 05:38	27° \mathbb{A} 49'14	
inferior conj	-12400 Mar 31 j 17:04	10° \mathbb{B} 45'54	-2°49'24	min. Earth dist.	-12399 Mar 10 j 06:19	24° \mathbb{A} 58'25	0.57740 AU
minimum elong	-12400 Mar 31 j 14:07	10° \mathbb{B} 51'56	2°49'38	inferior conj	-12399 Mar 13 j 07:17	22° \mathbb{A} 50'33	-1°54'01
morning rise	-12400 Apr 08 j 05:01	6° \mathbb{B} 06'44		minimum elong	-12399 Mar 13 j 03:55	22° \mathbb{A} 56'30	1°53'54
direct	-12400 Apr 10 j 14:57	5° \mathbb{B} 44'56		morning rise	-12399 Mar 21 j 12:30	18° \mathbb{A} 30'00	
morning max el	-12400 Apr 18 j 01:22	9° \mathbb{B} 21'38	18°19'40	direct	-12399 Mar 23 j 18:14	18° \mathbb{A} 14'20	
asc. node	-12400 Apr 27 j 00:22	21° \mathbb{B} 49'12		morning max el	-12399 Apr 01 j 07:11	22° \mathbb{A} 18'18	18°55'16
	-12400 May 01 j 13:24	0° \mathbb{A}			-12399 Apr 07 j 10:53	0° \mathbb{B}	
morning set	-12400 May 04 j 03:37	4° \mathbb{A} 51'45		asc. node	-12399 Apr 13 j 21:16	11° \mathbb{B} 04'44	
				morning set	-12399 Apr 17 j 19:55	18° \mathbb{B} 39'16	
superior conj	-12400 May 13 j 21:47	23° \mathbb{A} 02'54	1°45'50		-12399 Apr 23 j 15:08	0° \mathbb{A}	
minimum elong	-12400 May 13 j 19:56	22° \mathbb{A} 54'29	1°45'18				
	-12400 May 17 j 19:07	0° \mathbb{A}		superior conj	-12399 Apr 26 j 14:41	5° \mathbb{A} 43'58	1°33'36
max. Earth dist.	-12400 May 21 j 05:55	5° \mathbb{A} 59'25	1.40564 AU	minimum elong	-12399 Apr 26 j 11:42	5° \mathbb{A} 29'48	1°32'45
evening rise	-12400 May 26 j 07:56	14° \mathbb{A} 31'12		max. Earth dist.	-12399 May 03 j 06:17	18° \mathbb{A} 02'12	1.38691 AU
	-12400 Jun 05 j 02:03	0° \mathbb{Y}		evening rise	-12399 May 07 j 08:56	25° \mathbb{A} 16'11	
desc. node	-12400 Jun 14 j 06:10	13° \mathbb{Y} 34'09			-12399 May 10 j 03:36	0° \mathbb{A}	
	-12400 Jun 26 j 20:13	0° \mathbb{B}			-12399 May 29 j 17:16	0° \mathbb{Y}	
evening max el	-12400 Jun 29 j 11:30	2° \mathbb{B} 50'02	22°57'36	desc. node	-12399 Jun 01 j 03:39	3° \mathbb{Y} 18'30	
retrograde	-12400 Jul 09 j 11:05	8° \mathbb{B} 45'42		evening max el	-12399 Jun 11 j 22:03	16° \mathbb{Y} 10'11	24°19'58
evening set	-12400 Jul 14 j 08:21	6° \mathbb{B} 42'18		retrograde	-12399 Jun 23 j 01:21	22° \mathbb{Y} 45'37	
inferior conj	-12400 Jul 19 j 13:25	0° \mathbb{B} 28'16	-1°21'17	evening set	-12399 Jun 28 j 13:23	20° \mathbb{Y} 22'08	
minimum elong	-12400 Jul 19 j 14:58	0° \mathbb{B} 22'54	1°20'22	min. Earth dist.	-12399 Jul 03 j 05:19	14° \mathbb{Y} 53'38	0.67073 AU
min. Earth dist.	-12400 Jul 19 j 10:48	0° \mathbb{B} 37'19	0.67241 AU	inferior conj	-12399 Jul 03 j 19:14	14° \mathbb{Y} 06'25	-2°02'17
	-12400 Jul 19 j 21:36	30° \mathbb{R} \mathbb{Y}		minimum elong	-12399 Jul 03 j 21:20	13° \mathbb{Y} 59'20	2°01'29
asc. node	-12400 Jul 24 j 01:34	24° \mathbb{Y} 55'34		morning rise	-12399 Jul 09 j 05:13	7° \mathbb{Y} 57'50	
morning rise	-12400 Jul 24 j 21:30	24° \mathbb{Y} 11'49		asc. node	-12399 Jul 10 j 22:20	6° \mathbb{Y} 58'10	
direct	-12400 Jul 29 j 05:39	22° \mathbb{Y} 28'27		direct	-12399 Jul 13 j 02:13	6° \mathbb{Y} 31'41	
morning max el	-12400 Aug 07 j 09:43	27° \mathbb{Y} 58'58	21°55'03	morning max el	-12399 Jul 21 j 05:20	11° \mathbb{Y} 20'30	20°39'35
	-12400 Aug 09 j 06:29	0° \mathbb{B}			-12399 Aug 04 j 07:00	0° \mathbb{B}	
	-12400 Aug 30 j 21:09	0° \mathbb{II}		morning set	-12399 Aug 18 j 13:35	21° \mathbb{B} 43'23	
morning set	-12400 Sep 08 j 07:25	13° \mathbb{II} 06'35			-12399 Aug 23 j 20:05	0° \mathbb{II}	
desc. node	-12400 Sep 10 j 03:10	16° \mathbb{II} 01'36		desc. node	-12399 Aug 28 j 00:19	6° \mathbb{II} 40'16	
max. Earth dist.	-12400 Sep 15 j 03:19	24° \mathbb{II} 12'18	1.41765 AU	max. Earth dist.	-12399 Aug 28 j 12:20	7° \mathbb{II} 28'43	1.43304 AU
	-12400 Sep 18 j 14:10	0° \mathbb{B}					
superior conj	-12400 Sep 22 j 13:00	6° \mathbb{B} 48'17	-1°09'22	superior conj	-12399 Sep 03 j 10:51	17° \mathbb{II} 11'50	-0°37'57
minimum elong	-12400 Sep 22 j 09:02	6° \mathbb{B} 31'00	1°08'13	minimum elong	-12399 Sep 03 j 07:28	16° \mathbb{II} 57'48	0°36'49
evening rise	-12400 Oct 03 j 05:47	26° \mathbb{B} 04'43			-12399 Sep 11 j 00:24	0° \mathbb{B}	
	-12400 Oct 05 j 09:05	0° \mathbb{A}		evening rise	-12399 Sep 15 j 22:05	8° \mathbb{B} 31'33	
evening max el	-12400 Oct 19 j 12:41	21° \mathbb{A} 59'21	18°10'02		-12399 Sep 28 j 19:10	0° \mathbb{A}	
asc. node	-12400 Oct 20 j 01:17	22° \mathbb{A} 29'37		evening max el	-12399 Oct 03 j 01:28	5° \mathbb{A} 16'15	18°08'35
retrograde	-12400 Oct 26 j 13:08	25° \mathbb{A} 34'34		asc. node	-12399 Oct 06 j 22:29	8° \mathbb{A} 10'01	
evening set	-12400 Oct 29 j 01:00	25° \mathbb{A} 07'59		retrograde	-12399 Oct 09 j 17:24	8° \mathbb{A} 48'45	
inferior conj	-12400 Nov 05 j 02:48	20° \mathbb{A} 11'31	3°52'59	evening set	-12399 Oct 12 j 07:55	8° \mathbb{A} 15'24	
minimum elong	-12400 Nov 04 j 23:23	20° \mathbb{A} 19'16	3°52'56	inferior conj	-12399 Oct 18 j 22:16	2° \mathbb{A} 58'46	3°14'38
min. Earth dist.	-12400 Nov 08 j 03:16	17° \mathbb{A} 27'54	0.60914 AU	minimum elong	-12399 Oct 18 j 18:25	3° \mathbb{A} 08'37	3°14'19
morning rise	-12400 Nov 11 j 20:25	14° \mathbb{A} 36'53		min. Earth dist.	-12399 Oct 21 j 11:59	0° \mathbb{A} 20'53	0.62656 AU
direct	-12400 Nov 18 j 19:01	12° \mathbb{A} 22'00			-12399 Oct 21 j 20:28	30° \mathbb{R} \mathbb{B}	
morning max el	-12400 Dec 02 j 17:15	19° \mathbb{A} 46'33	27°16'25	morning rise	-12399 Oct 25 j 03:57	27° \mathbb{B} 07'43	
desc. node	-12400 Dec 07 j 04:02	24° \mathbb{A} 30'12		direct	-12399 Nov 01 j 05:11	24° \mathbb{B} 32'09	
	-12400 Dec 11 j 14:01	0° \mathbb{M}			-12399 Nov 12 j 17:20	0° \mathbb{A}	
	-12400 Dec 29 j 22:07	0° \mathbb{A}		morning max el	-12399 Nov 14 j 22:43	2° \mathbb{A} 01'56	27°34'02
morning set	-12399 Jan 03 j 08:29	8° \mathbb{A} 52'17		desc. node	-12399 Nov 24 j 00:39	12° \mathbb{A} 29'36	
					-12399 Dec 05 j 18:22	0° \mathbb{M}	

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morning set	-12399 Dec 18 j 11:25	23° \mathbb{M} 25'11		morning max el	-12398 Oct 28 j 08:00	14° \mathbb{G} 48'58	27°17'49
	-12399 Dec 21 j 16:04	0° \mathbb{L}			-12398 Nov 09 j 22:03	0° \mathbb{L}	
max. Earth dist.	-12399 Dec 24 j 03:13	5° \mathbb{L} 13'30	1.33234 AU	desc. node	-12398 Nov 10 j 21:18	1° \mathbb{L} 22'01	
					-12398 Nov 28 j 08:01	0° \mathbb{M}	
superior conj	-12399 Dec 25 j 21:58	9° \mathbb{L} 03'23	-1°07'14	morning set	-12398 Dec 02 j 06:19	7° \mathbb{M} 30'24	
minimum elong	-12399 Dec 25 j 23:59	9° \mathbb{L} 14'17	1°07'03	max. Earth dist.	-12398 Dec 07 j 05:24	17° \mathbb{M} 31'25	1.34013 AU
evening rise	-12398 Jan 01 j 23:26	24° \mathbb{L} 14'05					
asc. node	-12398 Jan 02 j 20:03	26° \mathbb{L} 01'43		superior conj	-12398 Dec 10 j 05:02	23° \mathbb{M} 47'05	-1°22'02
	-12398 Jan 04 j 18:34	0° \mathbb{M}		minimum elong	-12398 Dec 10 j 06:57	23° \mathbb{M} 57'11	1°21'46
	-12398 Jan 23 j 16:51	0° \mathbb{J}			-12398 Dec 13 j 03:04	0° \mathbb{L}	
evening max el	-12398 Jan 26 j 10:13	2° \mathbb{J} 47'08	23°57'55	evening rise	-12398 Dec 17 j 10:22	9° \mathbb{L} 07'33	
retrograde	-12398 Feb 09 j 00:40	9° \mathbb{J} 29'19		asc. node	-12398 Dec 20 j 17:26	15° \mathbb{L} 51'55	
evening set	-12398 Feb 13 j 03:55	8° \mathbb{J} 51'28			-12398 Dec 28 j 12:28	0° \mathbb{M}	
min. Earth dist.	-12398 Feb 19 j 23:27	5° \mathbb{J} 34'36	0.56281 AU	evening max el	-12397 Jan 08 j 04:36	13° \mathbb{M} 40'22	22°23'46
desc. node	-12398 Feb 20 j 02:32	5° \mathbb{J} 29'54		retrograde	-12397 Jan 20 j 20:14	19° \mathbb{M} 43'38	
inferior conj	-12398 Feb 22 j 01:48	4° \mathbb{J} 16'56	-0°29'44	evening set	-12397 Jan 24 j 02:37	19° \mathbb{M} 20'10	
minimum elong	-12398 Feb 22 j 00:36	4° \mathbb{J} 18'48	0°30'02	min. Earth dist.	-12397 Feb 01 j 14:21	15° \mathbb{M} 31'10	0.55523 AU
morning rise	-12398 Mar 02 j 23:56	0° \mathbb{J} 10'25		inferior conj	-12397 Feb 02 j 04:31	15° \mathbb{M} 10'50	1°12'54
	-12398 Mar 04 j 07:57	30° \mathbb{R} \mathbb{M}		minimum elong	-12397 Feb 02 j 07:33	15° \mathbb{M} 06'27	1°11'24
direct	-12398 Mar 05 j 03:39	29° \mathbb{M} 58'12		desc. node	-12397 Feb 06 j 23:20	12° \mathbb{M} 37'32	
	-12398 Mar 05 j 23:12	0° \mathbb{J}		morning rise	-12397 Feb 11 j 13:25	11° \mathbb{M} 06'47	
morning max el	-12398 Mar 15 j 04:35	4° \mathbb{J} 43'24	19°50'41	direct	-12397 Feb 13 j 22:29	10° \mathbb{M} 53'40	
	-12398 Mar 31 j 09:21	0° \mathbb{Z}		morning max el	-12397 Feb 25 j 15:14	16° \mathbb{M} 29'22	21°05'04
asc. node	-12398 Mar 31 j 18:14	0° \mathbb{Z} 44'10			-12397 Mar 07 j 20:22	0° \mathbb{J}	
morning set	-12398 Apr 01 j 21:03	2° \mathbb{Z} 58'10		morning set	-12397 Mar 17 j 04:05	17° \mathbb{J} 39'08	
				asc. node	-12397 Mar 18 j 15:17	20° \mathbb{J} 40'42	
					-12397 Mar 23 j 02:50	0° \mathbb{Z}	
superior conj	-12398 Apr 09 j 22:46	19° \mathbb{Z} 14'20	1°15'28				
minimum elong	-12398 Apr 09 j 19:50	18° \mathbb{Z} 59'43	1°14'23	superior conj	-12397 Mar 24 j 17:43	3° \mathbb{Z} 20'42	0°53'55
max. Earth dist.	-12398 Apr 15 j 08:57	29° \mathbb{Z} 45'32	1.36913 AU	minimum elong	-12397 Mar 24 j 15:27	3° \mathbb{Z} 09'04	0°52'47
	-12398 Apr 15 j 12:01	0° \mathbb{Z}		max. Earth dist.	-12397 Mar 28 j 19:11	11° \mathbb{Z} 33'36	1.35403 AU
evening rise	-12398 Apr 19 j 10:52	7° \mathbb{Z} 18'12		evening rise	-12397 Apr 02 j 07:58	20° \mathbb{Z} 20'32	
	-12398 May 02 j 23:09	0° \mathbb{H}			-12397 Apr 07 j 14:48	0° \mathbb{Z}	
desc. node	-12398 May 19 j 01:07	22° \mathbb{H} 31'41			-12397 Apr 26 j 20:51	0° \mathbb{H}	
evening max el	-12398 May 25 j 07:39	29° \mathbb{H} 31'52	25°36'17		-12397 May 05 j 22:34	11° \mathbb{H} 00'12	
	-12398 May 25 j 19:05	0° \mathbb{Y}		desc. node	-12397 May 07 j 17:55	12° \mathbb{H} 51'24	26°38'03
retrograde	-12398 Jun 06 j 11:29	6° \mathbb{Y} 38'48		evening max el	-12397 May 20 j 16:59	20° \mathbb{H} 18'12	
evening set	-12398 Jun 12 j 13:41	3° \mathbb{Y} 59'38		retrograde	-12397 May 27 j 06:53	17° \mathbb{H} 31'26	
	-12398 Jun 16 j 04:47	30° \mathbb{R} \mathbb{H}		evening set	-12397 May 31 j 05:46	13° \mathbb{H} 21'00	0.65644 AU
min. Earth dist.	-12398 Jun 16 j 20:22	29° \mathbb{H} 10'07	0.66553 AU	min. Earth dist.	-12397 Jun 01 j 21:58	11° \mathbb{H} 18'21	-3°03'49
inferior conj	-12398 Jun 17 j 22:46	27° \mathbb{H} 44'11	-2°37'00	inferior conj	-12397 Jun 01 j 23:55	11° \mathbb{H} 12'22	3°03'45
minimum elong	-12398 Jun 18 j 01:02	27° \mathbb{H} 36'51	2°36'30	minimum elong	-12397 Jun 07 j 17:12	5° \mathbb{H} 34'18	
morning rise	-12398 Jun 23 j 12:24	21° \mathbb{H} 46'32		morning rise	-12397 Jun 10 j 21:16	4° \mathbb{H} 37'25	
direct	-12398 Jun 27 j 00:02	20° \mathbb{H} 36'02		direct	-12397 Jun 14 j 15:47	5° \mathbb{H} 52'59	
asc. node	-12398 Jun 27 j 19:04	20° \mathbb{H} 39'32		asc. node	-12397 Jun 17 j 15:34	8° \mathbb{H} 23'56	18°47'53
morning max el	-12398 Jul 04 j 07:32	24° \mathbb{H} 49'19	19°36'11	morning max el	-12397 Jul 02 j 16:44	0° \mathbb{Y}	
	-12398 Jul 08 j 16:04	0° \mathbb{Y}			-12397 Jul 08 j 17:25	9° \mathbb{Y} 43'39	
morning set	-12398 Jul 28 j 18:58	0° \mathbb{B} 19'57		morning set	-12397 Jul 21 j 09:39	0° \mathbb{B}	
	-12398 Jul 28 j 13:53	0° \mathbb{B}					
max. Earth dist.	-12398 Aug 11 j 02:37	21° \mathbb{B} 18'26	1.44282 AU				
				superior conj	-12397 Jul 24 j 06:49	4° \mathbb{B} 33'57	0°48'37
superior conj	-12398 Aug 14 j 05:26	26° \mathbb{B} 16'47	0°04'01	minimum elong	-12397 Jul 24 j 12:16	4° \mathbb{B} 55'31	0°48'26
minimum elong	-12398 Aug 14 j 05:58	26° \mathbb{B} 18'55	0°04'35	max. Earth dist.	-12397 Jul 24 j 19:03	5° \mathbb{B} 22'22	1.44577 AU
behind sun begin	-12398 Aug 13 j 19:18	25° \mathbb{B} 36'11		desc. node	-12397 Aug 01 j 18:57	18° \mathbb{B} 01'55	
behind sun end	-12398 Aug 14 j 16:39	27° \mathbb{B} 01'41		evening rise	-12397 Aug 09 j 11:14	0° \mathbb{I} 15'10	
desc. node	-12398 Aug 14 j 21:35	27° \mathbb{B} 21'24			-12397 Aug 09 j 07:26	0° \mathbb{I}	
	-12398 Aug 16 j 13:03	0° \mathbb{I}			-12397 Aug 29 j 03:21	0° \mathbb{G}	
evening rise	-12398 Aug 28 j 17:40	19° \mathbb{I} 59'39		evening max el	-12397 Aug 31 j 02:57	2° \mathbb{G} 13'02	18°59'46
	-12398 Sep 03 j 17:52	0° \mathbb{G}		retrograde	-12397 Sep 07 j 00:23	6° \mathbb{G} 06'52	
evening max el	-12398 Sep 16 j 15:10	18° \mathbb{G} 42'26	18°25'30	evening set	-12397 Sep 10 j 02:56	5° \mathbb{G} 11'41	
retrograde	-12398 Sep 23 j 06:19	22° \mathbb{G} 21'20		asc. node	-12397 Sep 10 j 16:39	4° \mathbb{G} 49'44	
asc. node	-12398 Sep 23 j 19:37	22° \mathbb{G} 19'39			-12397 Sep 15 j 11:02	30° \mathbb{R} \mathbb{I}	
evening set	-12398 Sep 26 j 01:41	21° \mathbb{G} 38'38		inferior conj	-12397 Sep 15 j 22:43	29° \mathbb{I} 24'04	1°36'08
inferior conj	-12398 Oct 02 j 05:56	16° \mathbb{G} 04'51	2°27'25	minimum elong	-12397 Sep 15 j 20:30	29° \mathbb{I} 30'52	1°36'07
minimum elong	-12398 Oct 02 j 02:40	16° \mathbb{G} 14'08	2°27'07	min. Earth dist.	-12397 Sep 17 j 11:19	27° \mathbb{I} 31'11	0.65361 AU
min. Earth dist.	-12398 Oct 04 j 06:59	13° \mathbb{G} 45'31	0.64155 AU	morning rise	-12397 Sep 21 j 13:36	23° \mathbb{I} 09'54	
morning rise	-12398 Oct 08 j 02:56	10° \mathbb{G} 00'20		direct	-12397 Sep 27 j 22:16	20° \mathbb{I} 30'11	
direct	-12398 Oct 14 j 22:24	7° \mathbb{G} 17'11		morning max el	-12397 Oct 10 j 18:31	27° \mathbb{I} 55'42	26°32'35

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	-12397 Oct 12 j 18:42	0°☿		morning rise	-12396 Sep 04 j 08:44	6°♊31'22	
desc. node	-12397 Oct 28 j 18:00	20°☿52'18		direct	-12396 Sep 10 j 03:59	4°♊03'11	
	-12397 Nov 03 j 14:29	0°♊		morning max el	-12396 Sep 22 j 04:27	11°♊09'36	25°25'44
morning set	-12397 Nov 15 j 13:40	20°♊57'04			-12396 Oct 07 j 08:06	0°☿	
max. Earth dist.	-12397 Nov 19 j 21:20	29°♊18'08	1.35215 AU	desc. node	-12396 Oct 14 j 14:48	10°☿48'49	
	-12397 Nov 20 j 05:47	0°♋			-12396 Oct 26 j 05:28	0°♊	
				morning set	-12396 Oct 28 j 04:49	3°♊30'40	
superior conj	-12397 Nov 24 j 06:38	8°♋10'32	-1°32'29	max. Earth dist.	-12396 Nov 01 j 02:41	10°♊41'57	1.36829 AU
minimum elong	-12397 Nov 24 j 07:57	8°♋17'16	1°32'08				
evening rise	-12397 Dec 01 j 19:24	23°♋50'46		superior conj	-12396 Nov 06 j 23:50	22°♊03'53	-1°37'12
	-12397 Dec 04 j 20:14	0°♌		minimum elong	-12396 Nov 06 j 24:00	22°♊04'39	1°36'43
asc. node	-12397 Dec 07 j 14:51	5°♌21'26			-12396 Nov 10 j 22:38	0°♋	
evening max el	-12397 Dec 21 j 05:32	24°♌54'39	20°56'36	evening rise	-12396 Nov 15 j 00:37	8°♋17'01	
	-12397 Dec 30 j 08:24	0°♍		asc. node	-12396 Nov 23 j 12:14	24°♋21'44	
retrograde	-12396 Jan 01 j 10:57	0°♍10'55			-12396 Nov 27 j 02:16	0°♌	
	-12396 Jan 03 j 14:29	30°♋♌		evening max el	-12396 Dec 02 j 16:11	6°♌41'02	19°44'38
evening set	-12396 Jan 04 j 05:27	29°♌52'53		retrograde	-12396 Dec 12 j 07:54	11°♌13'50	
inferior conj	-12396 Jan 13 j 02:08	25°♌53'49	2°48'34	evening set	-12396 Dec 14 j 21:38	10°♌55'57	
minimum elong	-12396 Jan 13 j 07:53	25°♌45'27	2°46'48	inferior conj	-12396 Dec 23 j 07:37	6°♌50'28	3°52'27
min. Earth dist.	-12396 Jan 14 j 04:16	25°♌15'50	0.55624 AU	minimum elong	-12396 Dec 23 j 11:53	6°♌43'39	3°51'48
morning rise	-12396 Jan 22 j 09:09	21°♌36'26		min. Earth dist.	-12396 Dec 25 j 17:35	5°♌18'37	0.56541 AU
desc. node	-12396 Jan 24 j 20:03	21°♌15'12		morning rise	-12395 Jan 01 j 00:05	2°♌10'42	
direct	-12396 Jan 25 j 13:41	21°♌13'59		direct	-12395 Jan 05 j 11:57	1°♌25'20	
morning max el	-12396 Feb 07 j 14:53	27°♌37'09	22°34'47	desc. node	-12395 Jan 10 j 16:42	2°♌27'14	
	-12396 Feb 09 j 22:25	0°♍		morning max el	-12395 Jan 19 j 06:47	8°♌20'11	24°11'35
	-12396 Feb 28 j 08:48	0°♎			-12395 Feb 04 j 01:30	0°♍	
morning set	-12396 Feb 29 j 14:47	2°♎35'00		morning set	-12395 Feb 13 j 03:09	17°♍38'41	
asc. node	-12396 Mar 04 j 12:26	10°♎49'20			-12395 Feb 18 j 21:35	0°♎	
				asc. node	-12395 Feb 19 j 09:40	1°♎05'12	
superior conj	-12396 Mar 07 j 20:16	17°♎53'14	0°30'44				
minimum elong	-12396 Mar 07 j 18:58	17°♎46'23	0°29'44	superior conj	-12395 Feb 20 j 03:52	2°♎43'21	0°07'10
max. Earth dist.	-12396 Mar 10 j 15:36	23°♎45'37	1.34241 AU	minimum elong	-12395 Feb 20 j 03:35	2°♎41'51	0°06'27
	-12396 Mar 13 j 17:01	0°♏		behind sun begin	-12395 Feb 19 j 22:52	2°♎16'25	
evening rise	-12396 Mar 15 j 19:04	4°♏08'01		behind sun end	-12395 Feb 20 j 08:19	3°♎07'17	
	-12396 Mar 30 j 09:34	0°♐		max. Earth dist.	-12395 Feb 21 j 21:04	6°♎24'25	1.33427 AU
evening max el	-12396 Apr 19 j 04:42	26°♐01'10	27°17'06	evening rise	-12395 Feb 27 j 16:03	18°♎27'18	
desc. node	-12396 Apr 21 j 19:55	28°♐25'54			-12395 Mar 05 j 15:34	0°♑	
	-12396 Apr 23 j 19:16	0°♒			-12395 Mar 24 j 18:55	0°♐	
retrograde	-12396 May 02 j 17:08	3°♒36'07		evening max el	-12395 Apr 01 j 14:14	8°♐50'13	27°26'57
evening set	-12396 May 09 j 14:10	0°♒53'21		desc. node	-12395 Apr 08 j 17:10	14°♐23'52	
	-12396 May 10 j 15:24	30°♑♒		retrograde	-12395 Apr 15 j 11:00	16°♐24'36	
min. Earth dist.	-12396 May 13 j 07:42	27°♑18'20	0.64341 AU	evening set	-12395 Apr 22 j 08:23	13°♐58'53	
inferior conj	-12396 May 15 j 14:25	24°♑45'16	-3°20'27	min. Earth dist.	-12395 Apr 26 j 00:50	10°♑51'13	0.62680 AU
minimum elong	-12396 May 15 j 15:32	24°♑42'10	3°20'49	inferior conj	-12395 Apr 28 j 21:18	7°♑59'48	-3°23'37
morning rise	-12396 May 21 j 17:31	19°♑17'04		minimum elong	-12395 Apr 28 j 21:00	8°♑00'35	3°24'13
direct	-12396 May 24 j 15:32	18°♑31'56		morning rise	-12395 May 05 j 10:52	2°♑49'31	
morning max el	-12396 May 31 j 03:37	22°♑01'10	18°16'26	direct	-12395 May 08 j 03:59	2°♑14'25	
asc. node	-12396 May 31 j 12:32	22°♑24'03		morning max el	-12395 May 14 j 17:26	5°♑36'47	18°02'56
	-12396 Jun 06 j 08:19	0°♒		asc. node	-12395 May 18 j 09:20	9°♑57'22	
morning set	-12396 Jun 18 j 16:43	20°♒15'42			-12395 May 30 j 13:41	0°♒	
	-12396 Jun 24 j 12:26	0°♓		morning set	-12395 May 31 j 16:01	1°♒56'06	
superior conj	-12396 Jul 02 j 12:11	13°♓03'51	1°24'27	superior conj	-12395 Jun 12 j 15:32	22°♒38'18	1°44'25
minimum elong	-12396 Jul 02 j 18:28	13°♓29'10	1°24'05	minimum elong	-12395 Jun 12 j 18:35	22°♒51'05	1°44'11
max. Earth dist.	-12396 Jul 06 j 10:33	19°♓22'05	1.44174 AU		-12395 Jun 17 j 02:03	0°♓	
	-12396 Jul 13 j 03:55	0°♔		max. Earth dist.	-12395 Jun 18 j 22:53	3°♓02'54	1.43133 AU
desc. node	-12396 Jul 18 j 16:26	8°♔38'11		evening rise	-12395 Jun 28 j 02:20	17°♓35'34	
evening rise	-12396 Jul 19 j 02:02	9°♔15'37		desc. node	-12395 Jul 05 j 13:57	29°♓06'44	
greatest brilliancy	-12396 Jul 31 j 06:47	28°♔02'05	-0.7m		-12395 Jul 06 j 04:00	0°♕	
	-12396 Aug 01 j 14:14	0°♕		evening max el	-12395 Jul 27 j 11:11	29°♔09'42	20°54'56
evening max el	-12396 Aug 13 j 10:15	15°♕43'01	19°50'13		-12395 Jul 28 j 07:33	0°♕	
retrograde	-12396 Aug 20 j 20:44	20°♕00'37		retrograde	-12395 Aug 04 j 17:16	4°♕00'05	
evening set	-12396 Aug 24 j 08:49	18°♕49'28		evening set	-12395 Aug 08 j 17:01	2°♕29'48	
asc. node	-12396 Aug 27 j 13:38	15°♕48'08			-12395 Aug 11 j 06:21	30°♔♕	
inferior conj	-12396 Aug 29 j 21:56	12°♕51'05	0°43'54	inferior conj	-12395 Aug 14 j 01:24	26°♕23'21	-0°07'08
minimum elong	-12396 Aug 29 j 20:56	12°♕54'22	0°44'14	minimum elong	-12395 Aug 14 j 01:32	26°♕22'52	0°06'28
min. Earth dist.	-12396 Aug 30 j 22:54	11°♕29'19	0.66270 AU	transit middle	-12395 Aug 14 j 01:32	26°♕22'52	0°06'28

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

transit begin	-12395 Aug 13 j 23:02	26° $\text{831}'23$		min. Earth dist.	-12394 Jul 29 j 10:36	9° $\text{846}'40$	0.67197 AU
transit end	-12395 Aug 14 j 04:02	26° $\text{814}'21$		asc. node	-12394 Aug 01 j 07:22	6° $\text{800}'49$	
asc. node	-12395 Aug 14 j 10:32	25° $\text{852}'14$		morning rise	-12394 Aug 03 j 14:56	3° $\text{839}'32$	
min. Earth dist.	-12395 Aug 14 j 15:27	25° $\text{835}'31$	0.66882 AU	direct	-12394 Aug 08 j 06:16	1° $\text{845}'58$	
morning rise	-12395 Aug 19 j 09:53	20° $\text{802}'06$		morning max el	-12394 Aug 18 j 02:04	7° $\text{840}'43$	22°42'09
direct	-12395 Aug 24 j 14:55	17° $\text{850}'17$			-12394 Sep 04 j 06:42	0° II	
morning max el	-12395 Sep 04 j 14:16	24° $\text{824}'57$	24°06'02	desc. node	-12394 Sep 18 j 08:44	21° $\text{II31}'51$	
	-12395 Sep 09 j 14:11	0° II		morning set	-12394 Sep 20 j 14:25	25° $\text{II08}'36$	
	-12395 Sep 30 j 19:28	0° ☾			-12394 Sep 23 j 13:16	0° ☾	
desc. node	-12395 Oct 01 j 11:42	1° $\text{☾04}'03$		max. Earth dist.	-12394 Sep 26 j 02:30	4° $\text{☾17}'11$	1.40707 AU
morning set	-12395 Oct 09 j 22:30	14° $\text{☾57}'40$					
max. Earth dist.	-12395 Oct 14 j 02:12	22° $\text{☾12}'11$	1.38739 AU	superior conj	-12394 Oct 03 j 17:01	17° $\text{☾34}'58$	-1°21'49
	-12395 Oct 18 j 09:21	0° ♁		minimum elong	-12394 Oct 03 j 13:44	17° $\text{☾20}'12$	1°20'50
					-12394 Oct 10 j 10:48	0° ♁	
superior conj	-12395 Oct 21 j 04:57	5° $\text{♁16}'38$	-1°34'22	evening rise	-12394 Oct 13 j 14:11	5° $\text{♁54}'43$	
minimum elong	-12395 Oct 21 j 03:26	5° $\text{♁09}'30$	1°33'40	asc. node	-12394 Oct 28 j 06:50	0° $\text{♁14}'31$	
evening rise	-12395 Oct 29 j 23:50	22° $\text{♁20}'45$			-12394 Oct 28 j 01:51	0° ♁	
	-12395 Nov 02 j 22:59	0° ♁		evening max el	-12394 Oct 29 j 18:08	1° $\text{♁48}'43$	18°19'33
asc. node	-12395 Nov 10 j 09:35	12° $\text{♁43}'25$		retrograde	-12394 Nov 06 j 03:30	5° $\text{♁30}'29$	
evening max el	-12395 Nov 15 j 12:57	19° $\text{♁00}'43$	18°51'53	evening set	-12394 Nov 08 j 14:41	5° $\text{♁06}'50$	
retrograde	-12395 Nov 23 j 20:44	23° $\text{♁01}'43$		inferior conj	-12394 Nov 15 j 23:27	0° $\text{♁22}'22$	4°08'22
evening set	-12395 Nov 26 j 08:29	22° $\text{♁41}'37$		minimum elong	-12394 Nov 15 j 20:59	0° $\text{♁27}'33$	4°08'30
inferior conj	-12395 Dec 04 j 05:53	18° $\text{♁18}'30$	4°16'44		-12394 Nov 16 j 10:03	30° R♁	
minimum elong	-12395 Dec 04 j 06:26	18° $\text{♁17}'31$	4°16'54	min. Earth dist.	-12394 Nov 19 j 03:20	27° $\text{♁43}'47$	0.59847 AU
min. Earth dist.	-12395 Dec 07 j 08:02	16° $\text{♁04}'21$	0.58051 AU	morning rise	-12394 Nov 23 j 01:43	24° $\text{♁58}'12$	
morning rise	-12395 Dec 12 j 02:27	13° $\text{♁15}'26$		direct	-12394 Nov 29 j 17:29	23° $\text{♁01}'26$	
direct	-12395 Dec 17 j 21:14	11° $\text{♁55}'22$			-12394 Dec 13 j 08:28	0° ♁	
desc. node	-12395 Dec 28 j 13:18	16° $\text{♁12}'53$		morning max el	-12394 Dec 13 j 17:46	0° $\text{♁22}'00$	26°50'49
morning max el	-12395 Dec 31 j 21:46	19° $\text{♁06}'23$	25°41'52	desc. node	-12394 Dec 15 j 09:54	2° $\text{♁02}'12$	
	-12394 Jan 10 j 02:56	0° ♁			-12393 Jan 03 j 22:44	0° ♁	
	-12394 Jan 27 j 07:59	0° ♁		morning set	-12393 Jan 13 j 01:42	17° $\text{♁42}'31$	
morning set	-12394 Jan 28 j 15:24	2° $\text{♁43}'22$			-12393 Jan 18 j 19:30	0° ♁	
superior conj	-12394 Feb 04 j 14:28	17° $\text{♁43}'44$	-0°15'52	superior conj	-12393 Jan 20 j 02:20	2° $\text{♁48}'22$	-0°37'31
minimum elong	-12394 Feb 04 j 15:07	17° $\text{♁47}'20$	0°16'16	minimum elong	-12393 Jan 20 j 03:44	2° $\text{♁56}'05$	0°37'39
max. Earth dist.	-12394 Feb 05 j 08:27	19° $\text{♁21}'40$	1.32944 AU	max. Earth dist.	-12393 Jan 19 j 21:59	2° $\text{♁24}'39$	1.32784 AU
asc. node	-12394 Feb 06 j 06:56	21° $\text{♁23}'42$		asc. node	-12393 Jan 24 j 04:14	11° $\text{♁40}'46$	
	-12394 Feb 10 j 07:38	0° ♁		evening rise	-12393 Jan 27 j 03:54	18° $\text{♁00}'54$	
evening rise	-12394 Feb 11 j 19:46	3° $\text{♁07}'40$			-12393 Feb 02 j 04:15	0° ♁	
	-12394 Feb 26 j 12:44	0° ♁			-12393 Feb 22 j 03:16	0° ♁	
evening max el	-12394 Mar 14 j 19:56	21° $\text{♁06}'46$	27°04'06	evening max el	-12393 Feb 24 j 20:01	2° $\text{♁45}'43$	26°09'38
desc. node	-12394 Mar 26 j 14:18	28° $\text{♁21}'44$		retrograde	-12393 Mar 10 j 22:45	10° $\text{♁04}'33$	
retrograde	-12394 Mar 28 j 21:17	28° $\text{♁35}'35$		desc. node	-12393 Mar 13 j 11:18	9° $\text{♁48}'35$	
evening set	-12394 Apr 04 j 10:13	26° $\text{♁38}'13$		evening set	-12393 Mar 16 j 17:30	8° $\text{♁41}'30$	
min. Earth dist.	-12394 Apr 08 j 08:54	23° $\text{♁45}'36$	0.60765 AU	min. Earth dist.	-12393 Mar 21 j 09:20	5° $\text{♁49}'20$	0.58793 AU
inferior conj	-12394 Apr 11 j 15:08	20° $\text{♁53}'50$	-3°08'34	inferior conj	-12393 Mar 24 j 16:19	3° $\text{♁19}'05$	-2°29'31
minimum elong	-12394 Apr 11 j 13:04	20° $\text{♁58}'25$	3°09'04	minimum elong	-12393 Mar 24 j 12:57	3° $\text{♁25}'33$	2°29'33
morning rise	-12394 Apr 18 j 18:05	16° $\text{♁03}'11$			-12393 Mar 29 j 13:26	30° R♁	
direct	-12394 Apr 21 j 06:46	15° $\text{♁36}'49$		morning rise	-12393 Apr 01 j 11:28	28° $\text{♁48}'28$	
morning max el	-12394 Apr 28 j 06:28	19° $\text{♁04}'06$	18°08'06	direct	-12393 Apr 03 j 19:39	28° $\text{♁29}'29$	
asc. node	-12394 May 05 j 06:10	28° $\text{♁18}'46$			-12393 Apr 08 j 18:44	0° ♁	
	-12394 May 06 j 06:56	0° ♁		morning max el	-12393 Apr 11 j 15:53	2° $\text{♁15}'30$	18°32'26
morning set	-12394 May 14 j 10:49	14° $\text{♁34}'22$		asc. node	-12393 Apr 22 j 03:04	17° $\text{♁17}'29$	
	-12394 May 22 j 21:51	0° ♁		morning set	-12393 Apr 27 j 20:29	27° $\text{♁59}'46$	
					-12393 Apr 28 j 21:33	0° ♁	
superior conj	-12394 May 24 j 21:51	3° $\text{♁32}'57$	1°48'52	superior conj	-12393 May 07 j 03:48	15° $\text{♁40}'05$	1°41'34
minimum elong	-12394 May 24 j 21:22	3° $\text{♁30}'47$	1°48'31	minimum elong	-12393 May 07 j 01:18	15° $\text{♁28}'28$	1°40'54
max. Earth dist.	-12394 Jun 01 j 05:59	16° $\text{♁09}'18$	1.41592 AU	max. Earth dist.	-12393 May 14 j 07:30	28° $\text{♁32}'15$	1.39768 AU
evening rise	-12394 Jun 07 j 10:43	26° $\text{♁18}'48$			-12393 May 15 j 03:42	0° ♁	
	-12394 Jun 09 j 18:12	0° ♁		evening rise	-12393 May 18 j 19:45	6° $\text{♁15}'13$	
desc. node	-12394 Jun 22 j 11:29	19° $\text{♁22}'43$			-12393 Jun 02 j 20:56	0° ♁	
	-12394 Jun 29 j 23:19	0° ♁					
evening max el	-12394 Jul 10 j 05:01	12° $\text{♁31}'13$	22°10'49	desc. node	-12393 Jun 09 j 08:58	9° $\text{♁20}'39$	
retrograde	-12394 Jul 19 j 12:22	18° $\text{♁02}'02$		evening max el	-12393 Jun 22 j 17:12	25° $\text{♁50}'02$	23°32'47
evening set	-12394 Jul 24 j 01:30	16° $\text{♁10}'37$			-12393 Jun 27 j 14:03	0° ♁	
inferior conj	-12394 Jul 29 j 07:09	9° $\text{♁58}'35$	-0°55'21	retrograde	-12393 Jul 03 j 04:47	2° $\text{♁03}'45$	
minimum elong	-12394 Jul 29 j 08:15	9° $\text{♁54}'45$	0°54'29	evening set	-12393 Jul 08 j 08:22	29° $\text{♁51}'12$	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12393 Jul 08 j 04:15	30° Υ		inferior conj	-12392 Jun 26 j 18:34	7° Υ 14'29	-2°17'56
inferior conj	-12393 Jul 13 j 13:27	23° Υ 35'59	-1°39'24	minimum elong	-12392 Jun 26 j 20:47	7° Υ 07'06	2°17'13
minimum elong	-12393 Jul 13 j 15:17	23° Υ 29'43	1°38'30	morning rise	-12392 Jul 02 j 05:51	1° Υ 10'01	
min. Earth dist.	-12393 Jul 13 j 06:04	24° Υ 01'25	0.67207 AU		-12392 Jul 04 j 16:06	30° \Re	
morning rise	-12393 Jul 18 j 22:09	17° Υ 22'34		asc. node	-12392 Jul 05 j 00:57	29° \Re 55'26	
asc. node	-12393 Jul 19 j 04:10	17° Υ 11'12		direct	-12392 Jul 05 j 22:33	29° \Re 50'50	
direct	-12393 Jul 23 j 01:13	15° Υ 46'56			-12392 Jul 07 j 05:43	0° Υ	
morning max el	-12393 Jul 31 j 18:20	20° Υ 59'28	21°21'46	morning max el	-12392 Jul 13 j 16:47	4° Υ 24'09	20°10'54
	-12393 Aug 08 j 04:47	0° \Im			-12392 Aug 01 j 04:05	0° \Im	
	-12393 Aug 28 j 13:43	0° Π		morning set	-12392 Aug 09 j 09:09	12° \Im 40'05	
morning set	-12393 Aug 31 j 05:51	4° Π 10'29			-12392 Aug 20 j 09:11	0° Π	
desc. node	-12393 Sep 05 j 05:49	12° Π 07'31		max. Earth dist.	-12392 Aug 20 j 18:40	0° Π 37'54	1.43788 AU
max. Earth dist.	-12393 Sep 08 j 07:39	17° Π 07'15	1.42468 AU	desc. node	-12392 Aug 22 j 03:01	2° Π 47'42	
superior conj	-12393 Sep 15 j 06:14	28° Π 43'29	-0°57'32	superior conj	-12392 Aug 25 j 16:14	8° Π 32'39	-0°21'08
minimum elong	-12393 Sep 15 j 02:09	28° Π 26'05	0°56'21	minimum elong	-12392 Aug 25 j 14:07	8° Π 24'01	0°20'10
	-12393 Sep 16 j 00:07	0° \Im			-12392 Sep 07 j 11:48	0° \Im	
evening rise	-12393 Sep 26 j 15:53	18° \Im 49'14		evening rise	-12392 Sep 08 j 00:07	0° \Im 52'46	
	-12393 Oct 02 j 22:25	0° Ω		evening max el	-12392 Sep 25 j 18:35	28° \Im 18'53	18°13'42
evening max el	-12393 Oct 13 j 04:59	14° Ω 57'01	18°07'10		-12392 Sep 27 j 15:41	0° Ω	
asc. node	-12393 Oct 15 j 04:04	16° Ω 39'59		asc. node	-12392 Oct 01 j 01:14	1° Ω 43'40	
retrograde	-12393 Oct 20 j 01:02	18° Ω 30'20		retrograde	-12392 Oct 02 j 09:20	1° Ω 52'59	
evening set	-12393 Oct 22 j 13:38	18° Ω 01'18		evening set	-12392 Oct 05 j 01:37	1° Ω 16'06	
inferior conj	-12393 Oct 29 j 10:25	12° Ω 56'02	3°38'14		-12392 Oct 07 j 03:38	30° \Re	
minimum elong	-12393 Oct 29 j 06:40	13° Ω 05'03	3°38'03	inferior conj	-12392 Oct 11 j 11:30	25° \Im 52'10	2°55'23
min. Earth dist.	-12393 Nov 01 j 06:49	10° Ω 12'41	0.61666 AU	minimum elong	-12392 Oct 11 j 07:49	26° \Im 02'03	2°55'02
morning rise	-12393 Nov 04 j 22:27	7° Ω 13'47		min. Earth dist.	-12392 Oct 13 j 20:04	23° \Im 20'35	0.63322 AU
direct	-12393 Nov 11 j 23:13	4° Ω 48'23		morning rise	-12392 Oct 17 j 13:08	19° \Im 54'58	
morning max el	-12393 Nov 25 j 20:11	12° Ω 16'19	27°28'16	direct	-12392 Oct 24 j 12:52	17° \Im 14'15	
desc. node	-12393 Dec 02 j 06:30	19° Ω 21'50		morning max el	-12392 Nov 07 j 03:30	24° \Im 46'09	27°31'02
	-12393 Dec 10 j 01:21	0° \P			-12392 Nov 12 j 00:22	0° Ω	
	-12393 Dec 27 j 02:58	0° Ω		desc. node	-12392 Nov 18 j 03:09	7° Ω 46'02	
morning set	-12393 Dec 28 j 08:00	2° Ω 27'31			-12392 Dec 02 j 08:43	0° \P	
max. Earth dist.	-12392 Jan 03 j 09:52	15° Ω 18'43	1.32961 AU	morning set	-12392 Dec 11 j 07:55	16° \P 49'49	
				max. Earth dist.	-12392 Dec 16 j 16:24	27° \P 51'33	1.33512 AU
					-12392 Dec 17 j 16:37	0° Ω	
superior conj	-12392 Jan 04 j 13:44	17° Ω 49'57	-0°57'08				
minimum elong	-12392 Jan 04 j 15:38	18° Ω 00'15	0°57'04	superior conj	-12392 Dec 18 j 22:58	2° Ω 42'13	-1°13'58
	-12392 Jan 10 j 04:36	0° \P		minimum elong	-12392 Dec 19 j 01:00	2° Ω 53'04	1°13'45
asc. node	-12392 Jan 11 j 01:34	1° \P 51'14		evening rise	-12392 Dec 26 j 01:40	17° Ω 55'39	
evening rise	-12392 Jan 11 j 14:25	2° \P 58'57		asc. node	-12392 Dec 27 j 22:56	21° Ω 50'12	
	-12392 Jan 26 j 09:39	0° \Re			-12391 Jan 01 j 02:22	0° \P	
evening max el	-12392 Feb 06 j 15:03	13° \Re 52'21	24°50'20	evening max el	-12391 Jan 18 j 08:25	24° \P 44'32	23°17'47
retrograde	-12392 Feb 20 j 13:18	20° \Re 52'02			-12391 Jan 26 j 00:07	0° \Re	
evening set	-12392 Feb 25 j 06:57	20° \Re 00'42		retrograde	-12391 Jan 31 j 15:02	1° \Re 11'18	
desc. node	-12392 Feb 28 j 08:14	18° \Re 38'03		evening set	-12391 Feb 04 j 08:11	0° \Re 41'09	
min. Earth dist.	-12392 Mar 02 j 04:41	16° \Re 55'48	0.57051 AU		-12391 Feb 06 j 09:55	30° \Re	
inferior conj	-12392 Mar 04 j 22:05	15° \Re 07'34	-1°21'33	min. Earth dist.	-12391 Feb 11 j 21:03	27° \P 12'18	0.55864 AU
minimum elong	-12392 Mar 04 j 19:16	15° \Re 12'14	1°21'28	inferior conj	-12391 Feb 13 j 09:04	26° \P 18'49	0°12'46
morning rise	-12392 Mar 13 j 10:51	10° \Re 54'07		minimum elong	-12391 Feb 13 j 09:34	26° \P 18'04	0°11'58
direct	-12392 Mar 15 j 15:02	10° \Re 40'26		transit middle	-12391 Feb 13 j 09:34	26° \P 18'04	0°11'58
morning max el	-12392 Mar 24 j 18:36	15° \Re 00'28	19°16'25	transit begin	-12391 Feb 13 j 06:56	26° \P 21'59	
	-12392 Apr 04 j 09:24	0° \Im		transit end	-12391 Feb 13 j 12:13	26° \P 14'09	
asc. node	-12392 Apr 08 j 00:01	6° \Im 43'58		desc. node	-12391 Feb 14 j 05:07	25° \P 49'08	
morning set	-12392 Apr 10 j 16:55	12° \Im 01'30		morning rise	-12391 Feb 22 j 12:54	22° \P 14'40	
				direct	-12391 Feb 24 j 17:28	22° \P 02'45	
superior conj	-12392 Apr 19 j 03:48	28° \Im 44'00	1°26'29	morning max el	-12391 Mar 07 j 11:37	27° \P 09'26	20°19'59
minimum elong	-12392 Apr 19 j 00:44	28° \Im 29'06	1°25'29		-12391 Mar 10 j 03:57	0° \Re	
	-12392 Apr 19 j 19:31	0° \approx		morning set	-12391 Mar 25 j 20:52	26° \Re 30'28	
max. Earth dist.	-12392 Apr 25 j 07:32	10° \approx 21'24	1.37910 AU	asc. node	-12391 Mar 25 j 21:00	26° \Re 31'09	
evening rise	-12392 Apr 29 j 08:01	17° \approx 34'51			-12391 Mar 27 j 13:58	0° \Im	
	-12392 May 06 j 15:42	0° \Re					
desc. node	-12392 May 26 j 06:27	28° \Re 53'08		superior conj	-12391 Apr 02 j 16:56	12° \Im 30'39	1°06'37
	-12392 May 27 j 03:20	0° Υ		minimum elong	-12391 Apr 02 j 14:14	12° \Im 16'58	1°05'29
evening max el	-12392 Jun 04 j 02:57	9° Υ 10'31	24°53'42	max. Earth dist.	-12391 Apr 07 j 12:50	22° \Im 03'19	1.36238 AU
retrograde	-12392 Jun 15 j 17:34	16° Υ 01'27		evening rise	-12391 Apr 11 j 18:51	0° \approx 04'44	
evening set	-12392 Jun 21 j 11:41	13° Υ 30'36			-12391 Apr 11 j 17:49	0° \approx	
min. Earth dist.	-12392 Jun 25 j 23:30	8° Υ 18'16	0.66889 AU				

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12391 Apr 29 j 19:31	0° H		desc. node	-12390 Apr 30 j 01:22	5° H 54'03	
desc. node	-12391 May 13 j 03:56	17° H 49'11		retrograde	-12390 May 13 j 04:54	13° H 20'41	
evening max el	-12391 May 17 j 12:55	22° H 32'27	26°04'58	evening set	-12390 May 19 j 22:36	10° H 34'17	
retrograde	-12391 May 30 j 01:48	29° H 49'08		min. Earth dist.	-12390 May 23 j 18:56	6° H 39'36	0.65146 AU
evening set	-12391 Jun 05 j 09:15	27° H 05'53		inferior conj	-12390 May 25 j 17:13	4° H 23'12	-3°12'17
min. Earth dist.	-12391 Jun 09 j 12:32	22° H 32'51	0.66212 AU	minimum elong	-12390 May 25 j 18:53	4° H 18'17	3°12'25
inferior conj	-12391 Jun 10 j 20:33	20° H 51'10	-2°49'31		-12390 May 29 j 21:08	30° R \approx	
minimum elong	-12391 Jun 10 j 22:44	20° H 44'12	2°49'11	morning rise	-12390 May 31 j 15:30	28° \approx 45'34	
morning rise	-12391 Jun 16 j 12:17	14° H 58'42		direct	-12390 Jun 03 j 16:57	27° \approx 53'44	
direct	-12391 Jun 19 j 20:31	13° H 54'06		asc. node	-12390 Jun 08 j 18:26	0° H 05'51	
asc. node	-12391 Jun 21 j 21:42	14° H 17'10			-12390 Jun 08 j 15:34	0° H	
morning max el	-12391 Jun 26 j 21:32	17° H 54'58	19°13'35	morning max el	-12390 Jun 10 j 07:30	1° H 31'16	18°32'20
	-12391 Jul 06 j 01:21	0° Y			-12390 Jun 29 j 08:22	0° Y	
morning set	-12391 Jul 19 j 20:03	21° Y 31'36		morning set	-12390 Jun 30 j 04:50	1° Y 24'00	
	-12391 Jul 25 j 04:40	0° B					
max. Earth dist.	-12391 Aug 03 j 10:06	14° B 35'04	1.44495 AU	superior conj	-12390 Jul 15 j 01:38	25° Y 25'09	1°05'31
				minimum elong	-12390 Jul 15 j 08:07	25° Y 50'54	1°05'10
superior conj	-12391 Aug 05 j 01:26	17° B 11'03	0°23'17	max. Earth dist.	-12390 Jul 17 j 03:06	28° Y 41'31	1.44499 AU
minimum elong	-12391 Aug 05 j 04:15	17° B 22'14	0°23'30		-12390 Jul 17 j 22:55	0° B	
desc. node	-12391 Aug 09 j 00:20	23° B 28'44		desc. node	-12390 Jul 26 j 21:46	14° B 07'47	
	-12391 Aug 13 j 01:57	0° II		evening rise	-12390 Jul 31 j 14:50	21° B 33'04	
evening rise	-12391 Aug 20 j 09:05	11° II 50'35			-12390 Aug 05 j 23:43	0° II	
	-12391 Aug 31 j 14:24	0° E		evening max el	-12390 Aug 23 j 18:03	25° II 17'51	19°19'18
evening max el	-12391 Sep 09 j 07:51	11° E 47'20	18°38'06	retrograde	-12390 Aug 30 j 20:01	29° II 20'25	
retrograde	-12391 Sep 16 j 00:41	15° E 31'07		evening set	-12390 Sep 03 j 02:28	28° II 18'39	
asc. node	-12391 Sep 17 j 22:21	15° E 10'52		asc. node	-12390 Sep 04 j 19:23	26° II 59'06	
evening set	-12391 Sep 18 j 22:56	14° E 43'25		inferior conj	-12390 Sep 08 j 19:09	22° II 25'53	1°13'56
inferior conj	-12391 Sep 24 j 23:21	9° E 03'30	2°05'56	minimum elong	-12390 Sep 08 j 17:27	22° II 31'17	1°14'03
minimum elong	-12391 Sep 24 j 20:30	9° E 11'53	2°05'44	min. Earth dist.	-12390 Sep 10 j 02:36	20° II 46'09	0.65789 AU
min. Earth dist.	-12391 Sep 26 j 19:03	6° E 54'46	0.64709 AU	morning rise	-12390 Sep 14 j 08:05	16° II 09'02	
morning rise	-12391 Sep 30 j 17:30	2° E 54'43		direct	-12390 Sep 20 j 11:12	13° II 33'45	
direct	-12391 Oct 07 j 09:01	0° E 11'43		morning max el	-12390 Oct 02 j 23:42	20° II 52'00	26°06'19
morning max el	-12391 Oct 20 j 13:19	7° E 41'27	27°01'43		-12390 Oct 10 j 23:37	0° E	
desc. node	-12391 Nov 04 j 23:48	26° E 55'35		desc. node	-12390 Oct 22 j 20:32	16° E 37'43	
	-12391 Nov 07 j 01:34	0° O			-12390 Oct 31 j 04:44	0° O	
morning set	-12391 Nov 24 j 22:21	0° P 39'14		morning set	-12390 Nov 07 j 23:23	13° O 44'12	
	-12391 Nov 24 j 14:12	0° P		max. Earth dist.	-12390 Nov 12 j 01:50	21° O 30'20	1.35857 AU
max. Earth dist.	-12391 Nov 29 j 14:19	9° P 54'50	1.34471 AU		-12390 Nov 16 j 08:49	0° P	
superior conj	-12391 Dec 03 j 04:01	17° P 17'51	-1°27'05	superior conj	-12390 Nov 17 j 02:25	1° P 29'01	-1°35'18
minimum elong	-12391 Dec 03 j 05:44	17° P 26'51	1°26'47	minimum elong	-12390 Nov 17 j 03:18	1° P 33'31	1°34'54
	-12391 Dec 09 j 04:25	0° A		evening rise	-12390 Nov 24 j 19:39	17° P 21'26	
evening rise	-12391 Dec 10 j 11:59	2° A 45'02			-12390 Dec 01 j 06:44	0° A	
asc. node	-12391 Dec 14 j 20:20	11° A 32'05		asc. node	-12390 Dec 01 j 17:44	0° A 49'54	
	-12391 Dec 26 j 01:50	0° M		evening max el	-12390 Dec 13 j 09:49	17° A 10'41	20°23'47
evening max el	-12391 Dec 31 j 05:08	5° M 44'40	21°45'19	retrograde	-12390 Dec 23 j 22:55	22° A 07'49	
retrograde	-12390 Jan 12 j 06:52	11° M 27'38		evening set	-12390 Dec 26 j 14:56	21° A 50'10	
evening set	-12390 Jan 15 j 07:20	11° M 07'14		inferior conj	-12389 Jan 04 j 07:24	17° A 49'49	3°20'31
inferior conj	-12390 Jan 24 j 08:02	7° M 04'48	1°56'00	minimum elong	-12389 Jan 04 j 13:00	17° A 41'23	3°19'09
minimum elong	-12390 Jan 24 j 12:39	6° M 58'12	1°54'11	min. Earth dist.	-12389 Jan 06 j 00:29	16° A 48'21	0.55917 AU
min. Earth dist.	-12390 Jan 24 j 11:21	7° M 00'04	0.55462 AU	morning rise	-12389 Jan 13 j 09:31	13° A 23'54	
desc. node	-12390 Feb 01 j 01:54	3° M 22'10		direct	-12389 Jan 17 j 02:25	12° A 53'43	
morning rise	-12390 Feb 02 j 17:54	2° M 56'56		desc. node	-12389 Jan 18 j 22:34	13° A 01'24	
direct	-12390 Feb 05 j 09:41	2° M 41'03		morning max el	-12389 Jan 30 j 12:58	19° A 31'58	23°15'58
morning max el	-12390 Feb 17 j 17:18	8° M 37'54	21°41'38		-12389 Feb 08 j 04:27	0° M	
	-12390 Mar 04 j 12:48	0° J		morning set	-12389 Feb 22 j 17:27	26° M 19'28	
morning set	-12390 Mar 10 j 05:47	11° J 19'13			-12389 Feb 24 j 11:18	0° J	
asc. node	-12390 Mar 12 j 18:06	16° J 33'37		asc. node	-12389 Feb 27 j 15:16	6° J 45'49	
superior conj	-12390 Mar 17 j 15:30	26° J 49'29	0°44'12	superior conj	-12389 Mar 01 j 20:28	11° J 30'27	0°20'43
minimum elong	-12390 Mar 17 j 13:37	26° J 39'43	0°43'07	minimum elong	-12389 Mar 01 j 19:37	11° J 25'51	0°19'50
	-12390 Mar 19 j 04:17	0° Z		max. Earth dist.	-12389 Mar 04 j 04:31	16° J 27'11	1.33850 AU
max. Earth dist.	-12390 Mar 21 j 03:47	4° Z 02'32	1.34872 AU	evening rise	-12389 Mar 09 j 14:16	27° J 30'44	
evening rise	-12390 Mar 25 j 22:33	13° Z 28'33			-12389 Mar 10 j 20:38	0° Z	
	-12390 Apr 04 j 01:43	0° \approx			-12389 Mar 28 j 08:15	0° \approx	
	-12390 Apr 24 j 15:21	0° H		evening max el	-12389 Apr 12 j 10:11	18° \approx 52'10	27°24'59
evening max el	-12390 Apr 29 j 23:47	5° H 50'10	26°57'50	desc. node	-12389 Apr 16 j 22:41	22° \approx 46'08	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

retrograde	-12389 Apr 26 j 02:22	26° \approx 27'32			-12388 Mar 02 j 02:21	0° \approx	
evening set	-12389 May 03 j 00:45	23° \approx 50'06			-12388 Mar 23 j 07:08	0° \approx	
min. Earth dist.	-12389 May 06 j 17:03	20° \approx 28'20	0.63685 AU	evening max el	-12388 Mar 24 j 18:06	1° \approx 27'32	27°21'12
inferior conj	-12389 May 09 j 05:59	17° \approx 45'29	-3°23'40	desc. node	-12388 Apr 02 j 19:52	7° \approx 57'07	
minimum elong	-12389 May 09 j 06:33	17° \approx 43'57	3°24'11	retrograde	-12388 Apr 07 j 17:25	9° \approx 01'00	
morning rise	-12389 May 15 j 13:13	12° \approx 24'56		evening set	-12388 Apr 14 j 12:24	6° \approx 45'52	
direct	-12389 May 18 j 09:06	11° \approx 44'13		min. Earth dist.	-12388 Apr 18 j 06:13	3° \approx 46'25	0.61889 AU
morning max el	-12389 May 24 j 20:41	15° \approx 08'50	18°08'27	inferior conj	-12388 Apr 21 j 07:43	0° \approx 51'56	-3°19'48
asc. node	-12389 May 26 j 15:12	17° \approx 05'16		minimum elong	-12388 Apr 21 j 06:40	0° \approx 54'26	3°20'25
	-12389 Jun 04 j 07:48	0° \approx			-12388 Apr 22 j 05:42	30° \approx	
morning set	-12389 Jun 11 j 14:44	12° \approx 25'52		morning rise	-12388 Apr 28 j 02:39	25° \approx 50'08	
	-12389 Jun 22 j 00:08	0° \approx		direct	-12388 Apr 30 j 17:45	25° \approx 19'03	
				morning max el	-12388 May 07 j 10:33	28° \approx 42'02	18°02'47
					-12388 May 08 j 16:15	0° \approx	
superior conj	-12389 Jun 24 j 14:55	4° \approx 18'22	1°34'59	asc. node	-12388 May 12 j 12:00	5° \approx 00'31	
minimum elong	-12389 Jun 24 j 20:06	4° \approx 39'33	1°34'41	morning set	-12388 May 23 j 22:53	24° \approx 31'50	
max. Earth dist.	-12389 Jun 29 j 17:49	12° \approx 36'07	1.43807 AU		-12388 May 27 j 00:01	0° \approx	
evening rise	-12389 Jul 10 j 21:08	0° \approx 09'46					
	-12389 Jul 10 j 18:37	0° \approx					
desc. node	-12389 Jul 13 j 19:16	4° \approx 41'12		superior conj	-12388 Jun 04 j 05:50	14° \approx 27'09	1°48'01
	-12389 Jul 30 j 19:29	0° \approx		minimum elong	-12388 Jun 04 j 07:15	14° \approx 33'12	1°47'46
evening max el	-12389 Aug 06 j 22:43	8° \approx 46'17	20°16'05	max. Earth dist.	-12388 Jun 11 j 03:30	26° \approx 01'37	1.42527 AU
retrograde	-12389 Aug 14 j 16:50	13° \approx 17'07			-12388 Jun 13 j 13:59	0° \approx	
evening set	-12389 Aug 18 j 09:37	11° \approx 58'06		evening rise	-12388 Jun 18 j 21:56	8° \approx 30'51	
asc. node	-12389 Aug 22 j 16:19	7° \approx 28'29		desc. node	-12388 Jun 29 j 16:46	25° \approx 04'51	
inferior conj	-12389 Aug 23 j 20:27	5° \approx 55'39	0°22'00		-12388 Jul 03 j 00:21	0° \approx	
minimum elong	-12389 Aug 23 j 19:56	5° \approx 57'20	0°22'29	evening max el	-12388 Jul 19 j 20:28	22° \approx 10'12	21°26'06
min. Earth dist.	-12389 Aug 24 j 16:38	4° \approx 48'14	0.66563 AU	retrograde	-12388 Jul 28 j 12:59	27° \approx 17'38	
	-12389 Aug 28 j 18:48	30° \approx		evening set	-12388 Aug 01 j 18:08	25° \approx 38'42	
morning rise	-12389 Aug 29 j 06:03	29° \approx 34'41		inferior conj	-12388 Aug 07 j 01:06	19° \approx 29'29	-0°28'02
direct	-12389 Sep 03 j 19:06	27° \approx 13'19		minimum elong	-12388 Aug 07 j 01:41	19° \approx 27'30	0°27'16
	-12389 Sep 10 j 16:44	0° \approx		min. Earth dist.	-12388 Aug 07 j 10:41	18° \approx 56'31	0.67048 AU
morning max el	-12389 Sep 15 j 09:42	4° \approx 08'02	24°52'56	asc. node	-12388 Aug 08 j 13:12	17° \approx 26'37	
	-12389 Oct 05 j 08:03	0° \approx		morning rise	-12388 Aug 12 j 09:04	13° \approx 08'26	
desc. node	-12389 Oct 09 j 17:23	6° \approx 43'07		direct	-12388 Aug 17 j 08:05	11° \approx 04'13	
morning set	-12389 Oct 21 j 06:07	25° \approx 51'37		morning max el	-12388 Aug 27 j 20:01	17° \approx 23'19	23°30'18
	-12389 Oct 23 j 13:53	0° \approx			-12388 Sep 07 j 06:19	0° \approx	
max. Earth dist.	-12389 Oct 25 j 04:11	2° \approx 54'06	1.37612 AU	desc. node	-12388 Sep 25 j 14:18	27° \approx 04'03	
					-12388 Sep 27 j 10:10	0° \approx	
superior conj	-12389 Oct 31 j 15:00	15° \approx 06'32	-1°37'03	morning set	-12388 Oct 01 j 13:09	6° \approx 46'48	
minimum elong	-12389 Oct 31 j 14:30	15° \approx 04'07	1°36'29	max. Earth dist.	-12388 Oct 06 j 02:44	14° \approx 34'10	1.39579 AU
	-12389 Nov 08 j 02:48	0° \approx					
evening rise	-12389 Nov 08 j 22:39	1° \approx 39'14		superior conj	-12388 Oct 13 j 13:28	27° \approx 57'35	-1°30'22
asc. node	-12389 Nov 18 j 15:06	19° \approx 35'18		minimum elong	-12388 Oct 13 j 11:10	27° \approx 46'58	1°29'33
evening max el	-12389 Nov 26 j 00:49	29° \approx 11'25	19°19'44		-12388 Oct 14 j 15:44	0° \approx	
	-12389 Nov 26 j 22:18	0° \approx		evening rise	-12388 Oct 22 j 18:27	15° \approx 30'49	
retrograde	-12389 Dec 05 j 02:15	3° \approx 29'35			-12388 Oct 30 j 13:56	0° \approx	
evening set	-12389 Dec 07 j 14:41	3° \approx 11'07		asc. node	-12388 Nov 04 j 12:24	7° \approx 37'02	
	-12389 Dec 14 j 06:32	30° \approx		evening max el	-12388 Nov 08 j 01:29	11° \approx 44'01	18°35'42
inferior conj	-12389 Dec 15 j 19:23	28° \approx 58'57	4°07'28	retrograde	-12388 Nov 15 j 22:35	15° \approx 35'09	
minimum elong	-12389 Dec 15 j 22:09	28° \approx 54'18	4°07'15	evening set	-12388 Nov 18 j 09:51	15° \approx 13'48	
min. Earth dist.	-12389 Dec 18 j 14:10	27° \approx 07'10	0.57117 AU	inferior conj	-12388 Nov 26 j 01:53	10° \approx 42'08	4°16'31
morning rise	-12389 Dec 24 j 03:29	24° \approx 08'42		minimum elong	-12388 Nov 26 j 00:57	10° \approx 43'57	4°16'45
direct	-12389 Dec 29 j 04:58	23° \approx 09'44		min. Earth dist.	-12388 Nov 29 j 06:29	8° \approx 14'48	0.58796 AU
desc. node	-12388 Jan 05 j 19:11	25° \approx 21'20		morning rise	-12388 Dec 03 j 14:11	5° \approx 29'38	
	-12388 Jan 11 j 22:08	0° \approx		direct	-12388 Dec 09 j 19:31	3° \approx 53'06	
morning max el	-12388 Jan 12 j 03:51	0° \approx 13'32	24°51'48	desc. node	-12388 Dec 22 j 15:46	10° \approx 03'08	
	-12388 Feb 01 j 14:02	0° \approx		morning max el	-12388 Dec 23 j 20:23	11° \approx 09'20	26°14'28
morning set	-12388 Feb 07 j 05:59	11° \approx 24'21			-12387 Jan 07 j 11:23	0° \approx	
				morning set	-12387 Jan 21 j 17:34	26° \approx 26'48	
					-12387 Jan 23 j 09:55	0° \approx	
superior conj	-12388 Feb 14 j 05:35	26° \approx 25'49	-0°02'44				
minimum elong	-12388 Feb 14 j 05:43	26° \approx 26'33	0°03'19	superior conj	-12387 Jan 28 j 16:55	11° \approx 28'23	-0°25'15
behind sun begin	-12388 Feb 14 j 00:45	25° \approx 59'33		minimum elong	-12387 Jan 28 j 17:55	11° \approx 33'53	0°25'32
behind sun end	-12388 Feb 14 j 10:42	26° \approx 53'33		max. Earth dist.	-12387 Jan 29 j 01:13	12° \approx 13'45	1.32831 AU
asc. node	-12388 Feb 14 j 12:30	27° \approx 03'14		asc. node	-12387 Jan 31 j 09:47	17° \approx 21'18	
max. Earth dist.	-12388 Feb 15 j 12:44	29° \approx 14'05	1.33174 AU	evening rise	-12387 Feb 04 j 20:14	26° \approx 46'08	
	-12388 Feb 15 j 21:15	0° \approx			-12387 Feb 06 j 10:05	0° \approx	
evening rise	-12388 Feb 21 j 14:24	11° \approx 59'48					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12387 Feb 23 j 17:30	0°☿		evening max el	-12386 Feb 16 j 19:32	24°☿52'14	25°38'26
evening max el	-12387 Mar 06 j 21:37	13°☿28'16	26°44'40		-12386 Feb 23 j 13:57	0°☿	
desc. node	-12387 Mar 20 j 16:57	20°☿53'38		retrograde	-12386 Mar 02 j 21:10	2°☿03'30	
retrograde	-12387 Mar 21 j 00:29	20°☿53'54		desc. node	-12386 Mar 07 j 13:58	1°☿10'35	
evening set	-12387 Mar 27 j 06:30	19°☿11'07		evening set	-12386 Mar 08 j 05:44	0°☿55'03	
min. Earth dist.	-12387 Mar 31 j 11:02	16°☿20'09	0.59911 AU		-12386 Mar 10 j 03:26	30°☿☿	
inferior conj	-12387 Apr 03 j 18:54	13°☿34'48	-2°55'23	min. Earth dist.	-12386 Mar 13 j 09:01	27°☿58'55	0.58001 AU
minimum elong	-12387 Apr 03 j 16:09	13°☿40'33	2°55'41	inferior conj	-12386 Mar 16 j 12:01	25°☿44'47	-2°04'21
morning rise	-12387 Apr 11 j 04:24	8°☿52'34		minimum elong	-12386 Mar 16 j 08:34	25°☿51'00	2°04'15
direct	-12387 Apr 13 j 15:03	8°☿29'37		morning rise	-12386 Mar 24 j 14:34	21°☿21'42	
morning max el	-12387 Apr 20 j 22:23	12°☿03'34	18°16'03	direct	-12386 Mar 26 j 20:59	21°☿05'11	
asc. node	-12387 Apr 29 j 08:52	23°☿39'03		morning max el	-12386 Apr 04 j 05:11	25°☿03'56	18°48'46
	-12387 May 02 j 23:14	0°♊			-12386 Apr 08 j 10:43	0°☿	
morning set	-12387 May 07 j 00:37	7°♊31'48		asc. node	-12386 Apr 16 j 05:46	12°☿50'12	
				morning set	-12386 Apr 20 j 15:20	21°☿13'48	
superior conj	-12387 May 16 j 22:52	25°♊54'26	1°46'58		-12386 Apr 25 j 03:23	0°♊	
minimum elong	-12387 May 16 j 21:19	25°♊47'26	1°46'29				
	-12387 May 19 j 05:53	0°♋		superior conj	-12386 Apr 29 j 13:07	8°♊27'00	1°35'56
max. Earth dist.	-12387 May 24 j 07:48	8°♋49'02	1.40837 AU	minimum elong	-12386 Apr 29 j 10:13	8°♊13'19	1°35'06
evening rise	-12387 May 29 j 15:46	17°♋42'28		max. Earth dist.	-12386 May 06 j 08:29	20°♊57'08	1.38968 AU
	-12387 Jun 06 j 09:20	0°♌		evening rise	-12386 May 10 j 12:41	28°♊14'46	
desc. node	-12387 Jun 16 j 14:18	15°♌14'14			-12386 May 11 j 13:23	0°♋	
	-12387 Jun 27 j 13:59	0°♌		desc. node	-12386 May 30 j 20:25	0°♌	
evening max el	-12387 Jul 02 j 11:45	5°♌31'06	22°45'20	evening max el	-12386 Jun 03 j 11:51	5°♌02'29	
retrograde	-12387 Jul 12 j 07:02	11°♌20'06		retrograde	-12386 Jun 14 j 22:40	18°♌50'52	24°07'49
evening set	-12387 Jul 17 j 02:09	9°♌19'50		evening set	-12386 Jun 25 j 21:51	25°♌20'42	
inferior conj	-12387 Jul 22 j 07:20	3°♌06'20	-1°14'38	min. Earth dist.	-12386 Jul 01 j 07:45	22°♌59'53	
minimum elong	-12387 Jul 22 j 08:46	3°♌01'20	1°13'43	inferior conj	-12386 Jul 06 j 01:08	17°♌25'52	0.67122 AU
min. Earth dist.	-12387 Jul 22 j 06:19	3°♌09'49	0.67243 AU	minimum elong	-12386 Jul 06 j 13:20	16°♌44'18	-1°56'29
	-12387 Jul 24 j 14:53	30°♌☿		morning rise	-12386 Jul 06 j 15:22	16°♌37'22	1°55'39
asc. node	-12387 Jul 26 j 10:01	27°♌56'15		asc. node	-12386 Jul 11 j 22:57	10°♌34'27	
morning rise	-12387 Jul 27 j 15:17	26°♌49'08		direct	-12386 Jul 13 j 06:48	9°♌44'28	
direct	-12387 Aug 01 j 01:17	25°♌03'03		direct	-12386 Jul 15 j 21:28	9°♌05'54	
	-12387 Aug 09 j 17:31	0°♍		morning max el	-12386 Jul 24 j 04:01	14°♌00'29	20°50'10
morning max el	-12387 Aug 10 j 09:16	0°♍39'40	22°07'01		-12386 Aug 05 j 11:23	0°♍	
	-12387 Sep 01 j 03:48	0°♎		morning set	-12386 Aug 22 j 01:58	25°♍07'31	
morning set	-12387 Sep 11 j 17:51	16°♎25'33			-12386 Aug 25 j 04:35	0°♎	
desc. node	-12387 Sep 12 j 11:20	17°♎35'39		desc. node	-12386 Aug 30 j 08:30	8°♎13'38	
max. Earth dist.	-12387 Sep 18 j 04:33	26°♎57'14	1.41504 AU	max. Earth dist.	-12386 Aug 31 j 12:47	10°♎07'50	1.43107 AU
	-12387 Sep 20 j 00:05	0°♏					
superior conj	-12387 Sep 25 j 16:32	9°♏48'14	-1°13'02	superior conj	-12386 Sep 06 j 18:31	20°♎23'44	-0°43'28
minimum elong	-12387 Sep 25 j 12:42	9°♏31'22	1°11'56	minimum elong	-12386 Sep 06 j 14:50	20°♎08'22	0°42'18
evening rise	-12387 Oct 06 j 03:54	28°♏48'50			-12386 Sep 12 j 10:18	0°♏	
	-12387 Oct 06 j 19:17	0°♐		evening rise	-12386 Sep 18 j 22:49	11°♏23'22	
asc. node	-12387 Oct 22 j 09:39	24°♐42'03			-12386 Sep 29 j 20:35	0°♐	
evening max el	-12387 Oct 22 j 09:29	24°♐41'38	18°11'53	evening max el	-12386 Oct 05 j 21:52	7°♐56'29	18°07'37
retrograde	-12387 Oct 29 j 11:53	28°♐18'08		asc. node	-12386 Oct 09 j 06:51	10°♐34'51	
evening set	-12387 Oct 31 j 23:34	27°♐52'18		retrograde	-12386 Oct 12 j 14:38	11°♐29'01	
inferior conj	-12387 Nov 08 j 03:09	22°♐58'50	3°57'34	evening set	-12386 Oct 15 j 04:35	10°♐56'51	
minimum elong	-12387 Nov 07 j 23:56	23°♐05'59	3°57'34	inferior conj	-12386 Oct 21 j 20:32	5°♐42'58	3°21'09
min. Earth dist.	-12387 Nov 11 j 04:42	20°♐16'01	0.60643 AU	minimum elong	-12386 Oct 21 j 16:41	5°♐52'42	3°20'52
morning rise	-12387 Nov 14 j 22:53	17°♐26'55		min. Earth dist.	-12386 Oct 24 j 12:02	3°♐03'17	0.62403 AU
direct	-12387 Nov 21 j 20:08	15°♐16'25		morning rise	-12386 Oct 28 j 03:45	29°♏54'05	
morning max el	-12387 Dec 05 j 18:51	22°♐39'41	27°10'51		-12386 Oct 28 j 00:29	30°☿☿	
desc. node	-12387 Dec 09 j 12:21	26°♐33'54		direct	-12386 Nov 04 j 05:05	27°♏20'51	
	-12387 Dec 12 j 09:41	0°♑			-12386 Nov 12 j 00:24	0°♐	
	-12387 Dec 31 j 09:27	0°♑		morning max el	-12386 Nov 17 j 23:41	4°♐50'11	27°33'43
morning set	-12386 Jan 06 j 02:23	11°♑20'04		desc. node	-12386 Nov 26 j 08:58	14°♐23'43	
max. Earth dist.	-12386 Jan 12 j 14:29	25°♑13'57	1.32820 AU		-12386 Dec 07 j 01:18	0°♑	
				morning set	-12386 Dec 21 j 06:20	25°♑56'51	
superior conj	-12386 Jan 13 j 04:46	26°♑31'53	-0°46'08		-12386 Dec 23 j 05:41	0°♑	
minimum elong	-12386 Jan 13 j 06:25	26°♑40'55	0°46'11	max. Earth dist.	-12386 Dec 27 j 00:47	8°♑01'53	1.33151 AU
	-12386 Jan 14 j 18:53	0°♒					
asc. node	-12386 Jan 18 j 07:05	7°♒35'44		superior conj	-12386 Dec 28 j 15:29	11°♑30'31	-1°04'40
evening rise	-12386 Jan 20 j 05:36	11°♒41'54		minimum elong	-12386 Dec 28 j 17:29	11°♑41'20	1°04'32
	-12386 Jan 29 j 16:34	0°☿		evening rise	-12385 Jan 04 j 16:41	26°♑40'40	
				asc. node	-12385 Jan 05 j 04:26	27°♑42'14	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12385 Jan 06 j 07:01	0°♌		evening rise	-12385 Dec 20 j 03:44	11°♊35'04	
	-12385 Jan 24 j 05:17	0°♏		asc. node	-12385 Dec 23 j 01:49	17°♊34'53	
evening max el	-12385 Jan 29 j 13:16	5°♏50'04	24°11'44		-12385 Dec 29 j 17:43	0°♌	
retrograde	-12385 Feb 12 j 06:03	12°♏37'22		evening max el	-12384 Jan 11 j 07:12	16°♌42'17	22°37'38
evening set	-12385 Feb 16 j 13:01	11°♏56'18		retrograde	-12384 Jan 24 j 03:19	22°♌52'10	
desc. node	-12385 Feb 22 j 10:52	9°♏06'53		evening set	-12384 Jan 27 j 12:04	22°♌27'21	
min. Earth dist.	-12385 Feb 23 j 02:35	8°♏42'57	0.56462 AU	min. Earth dist.	-12384 Feb 04 j 17:55	18°♌44'01	0.55585 AU
inferior conj	-12385 Feb 25 j 09:25	7°♏16'57	-0°44'06	inferior conj	-12384 Feb 05 j 14:01	18°♌14'57	0°57'04
minimum elong	-12385 Feb 25 j 07:43	7°♏19'39	0°44'16	minimum elong	-12384 Feb 05 j 16:25	18°♌11'29	0°55'45
morning rise	-12385 Mar 06 j 05:16	3°♏09'06		desc. node	-12384 Feb 09 j 07:40	16°♌11'18	
direct	-12385 Mar 08 j 08:59	2°♏56'36		morning rise	-12384 Feb 14 j 21:59	14°♌11'21	
morning max el	-12385 Mar 18 j 04:07	7°♏34'43	19°41'11	direct	-12384 Feb 17 j 05:22	13°♌58'48	
	-12385 Apr 01 j 20:51	0°♐		morning max el	-12384 Feb 28 j 16:32	19°♌27'03	20°52'48
asc. node	-12385 Apr 03 j 02:45	2°♐26'28			-12384 Mar 08 j 00:43	0°♏	
morning set	-12385 Apr 04 j 15:20	5°♐28'26		morning set	-12384 Mar 18 j 21:40	20°♏06'27	
				asc. node	-12384 Mar 19 j 23:47	22°♏20'42	
superior conj	-12385 Apr 12 j 19:17	21°♐50'54	1°18'30		-12384 Mar 23 j 16:26	0°♐	
minimum elong	-12385 Apr 12 j 16:17	21°♐36'06	1°17'25				
	-12385 Apr 17 j 00:11	0°♑		superior conj	-12384 Mar 26 j 12:50	5°♐52'33	0°57'19
max. Earth dist.	-12385 Apr 18 j 10:13	2°♑40'39	1.37164 AU	minimum elong	-12384 Mar 26 j 10:27	5°♐40'19	0°56'12
evening rise	-12385 Apr 22 j 11:15	10°♑05'58		max. Earth dist.	-12384 Mar 30 j 18:56	14°♐25'53	1.35609 AU
	-12385 May 04 j 06:29	0°♒		evening rise	-12384 Apr 04 j 05:53	23°♐00'28	
desc. node	-12385 May 21 j 09:21	24°♒20'55			-12384 Apr 08 j 01:24	0°♑	
	-12385 May 26 j 05:36	0°♓			-12384 Apr 26 j 22:10	0°♒	
evening max el	-12385 May 28 j 08:10	2°♓11'46	25°25'38	desc. node	-12384 May 07 j 06:48	12°♒57'15	
retrograde	-12385 Jun 09 j 08:44	9°♓15'04		evening max el	-12384 May 09 j 18:20	15°♒32'05	26°30'11
evening set	-12385 Jun 15 j 08:56	6°♓37'42		retrograde	-12384 May 22 j 15:04	22°♒56'56	
min. Earth dist.	-12385 Jun 19 j 16:51	1°♓42'19	0.66651 AU	evening set	-12384 May 29 j 03:23	20°♒10'44	
inferior conj	-12385 Jun 20 j 17:21	0°♓21'58	-2°32'16	min. Earth dist.	-12384 Jun 02 j 03:20	15°♒54'27	0.65800 AU
minimum elong	-12385 Jun 20 j 19:37	0°♓14'34	2°31'43	inferior conj	-12384 Jun 03 j 17:22	13°♒57'02	-3°00'25
	-12385 Jun 21 j 00:04	30°♒♒		minimum elong	-12384 Jun 03 j 19:24	13°♒50'45	3°00'17
morning rise	-12385 Jun 26 j 06:20	24°♒22'33		morning rise	-12384 Jun 09 j 11:38	8°♒10'42	
direct	-12385 Jun 29 j 19:11	23°♒09'56		direct	-12384 Jun 12 j 16:40	7°♒11'57	
asc. node	-12385 Jun 30 j 03:35	23°♒10'37		asc. node	-12384 Jun 16 j 00:20	8°♒11'03	
morning max el	-12385 Jul 07 j 05:19	27°♒28'12	19°44'44	morning max el	-12384 Jun 19 j 12:34	11°♒02'04	18°54'01
	-12385 Jul 09 j 11:36	0°♓			-12384 Jul 02 j 23:46	0°♓	
	-12385 Jul 29 j 21:38	0°♔		morning set	-12384 Jul 11 j 01:19	12°♓55'08	
morning set	-12385 Aug 01 j 06:12	3°♔40'38			-12384 Jul 21 j 18:20	0°♔	
max. Earth dist.	-12385 Aug 14 j 02:21	23°♔53'20	1.44172 AU				
desc. node	-12385 Aug 17 j 05:46	28°♔54'39		superior conj	-12384 Jul 26 j 19:44	8°♔00'38	0°42'11
				minimum elong	-12384 Jul 27 j 00:37	8°♔19'54	0°42'05
superior conj	-12385 Aug 17 j 16:57	29°♔39'32	-0°02'48	max. Earth dist.	-12384 Jul 26 j 18:26	7°♔55'30	1.44575 AU
minimum elong	-12385 Aug 17 j 16:42	29°♔38'32	0°02'07	desc. node	-12384 Aug 03 j 03:09	19°♔35'36	
behind sun begin	-12385 Aug 17 j 05:51	28°♔54'57			-12384 Aug 09 j 15:41	0°♕	
behind sun end	-12385 Aug 18 j 03:33	0°♕22'10		evening rise	-12384 Aug 11 j 19:37	3°♕28'15	
	-12385 Aug 17 j 22:02	0°♖			-12384 Aug 28 j 22:35	0°♔	
evening rise	-12385 Aug 31 j 21:56	23°♖01'21		evening max el	-12384 Sep 01 j 23:55	4°♔52'08	18°53'38
	-12385 Sep 05 j 01:38	0°♗		retrograde	-12384 Sep 08 j 19:58	8°♔43'04	
evening max el	-12385 Sep 19 j 11:38	21°♗21'43	18°21'53	evening set	-12384 Sep 11 j 21:18	7°♔50'00	
retrograde	-12385 Sep 26 j 02:31	24°♗59'15		asc. node	-12384 Sep 12 j 01:06	7°♔44'25	
asc. node	-12385 Sep 26 j 04:01	24°♗59'13		inferior conj	-12384 Sep 17 j 18:15	2°♗04'23	1°44'05
evening set	-12385 Sep 28 j 20:59	24°♗18'12		minimum elong	-12384 Sep 17 j 15:52	2°♗11'38	1°43'59
inferior conj	-12385 Oct 05 j 02:38	18°♗46'53	2°34'57		-12384 Sep 19 j 11:04	30°♒♕	
minimum elong	-12385 Oct 04 j 23:14	18°♗56'23	2°34'38	min. Earth dist.	-12384 Sep 19 j 08:42	0°♗07'07	0.65203 AU
min. Earth dist.	-12385 Oct 07 j 05:39	16°♗24'00	0.63944 AU	morning rise	-12384 Sep 23 j 09:54	25°♕51'28	
morning rise	-12385 Oct 11 j 00:44	12°♗44'03		direct	-12384 Sep 29 j 20:30	23°♕10'28	
direct	-12385 Oct 17 j 21:27	10°♗01'07			-12384 Oct 12 j 03:33	0°♗	
morning max el	-12385 Oct 31 j 08:40	17°♗33'31	27°22'16	morning max el	-12384 Oct 12 j 19:00	0°♗37'35	26°40'50
	-12385 Nov 10 j 22:40	0°♘		desc. node	-12384 Oct 30 j 02:17	22°♗34'24	
desc. node	-12385 Nov 13 j 05:35	3°♘09'11			-12384 Nov 03 j 22:01	0°♘	
	-12385 Nov 29 j 19:01	0°♙		morning set	-12384 Nov 17 j 11:58	23°♘39'43	
morning set	-12385 Dec 05 j 02:39	10°♙06'58			-12384 Nov 20 j 18:36	0°♙	
max. Earth dist.	-12385 Dec 10 j 04:13	20°♙23'54	1.33867 AU	max. Earth dist.	-12384 Nov 21 j 21:35	2°♙13'48	1.35009 AU
superior conj	-12385 Dec 12 j 23:11	26°♙16'39	-1°20'04	superior conj	-12384 Nov 26 j 01:45	10°♙43'20	-1°31'16
minimum elong	-12385 Dec 13 j 01:09	26°♙27'03	1°19'48	minimum elong	-12384 Nov 26 j 03:11	10°♙50'45	1°30'55
	-12385 Dec 14 j 17:04	0°♚		evening rise	-12384 Dec 03 j 13:09	26°♙19'43	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12384 Dec 05 j 08:09	0°♄		minimum elong	-12383 Nov 09 j 20:47	24°♄43'34	1°36'29
asc. node	-12384 Dec 08 j 23:12	7°♄07'31			-12383 Nov 12 j 11:38	0°♄	
evening max el	-12384 Dec 23 j 06:54	27°♄52'08	21°08'47	evening rise	-12383 Nov 17 j 19:03	10°♄48'50	
	-12384 Dec 25 j 20:14	0°♄		asc. node	-12383 Nov 25 j 20:35	26°♄12'41	
retrograde	-12383 Jan 03 j 17:46	3°♄15'07			-12383 Nov 28 j 03:35	0°♄	
evening set	-12383 Jan 06 j 13:31	2°♄56'42		evening max el	-12383 Dec 05 j 15:59	9°♄33'17	19°54'10
	-12383 Jan 13 j 15:36	30°♄		retrograde	-12383 Dec 15 j 12:57	14°♄11'54	
inferior conj	-12383 Jan 15 j 11:29	28°♄57'28	2°35'40	evening set	-12383 Dec 18 j 03:16	13°♄54'07	
minimum elong	-12383 Jan 15 j 17:05	28°♄49'24	2°33'51	inferior conj	-12383 Dec 26 j 15:00	9°♄50'25	3°45'26
min. Earth dist.	-12383 Jan 16 j 08:00	28°♄27'54	0.55555 AU	minimum elong	-12383 Dec 26 j 19:44	9°♄43'01	3°44'34
morning rise	-12383 Jan 24 j 19:41	24°♄42'49		min. Earth dist.	-12383 Dec 28 j 21:07	8°♄26'09	0.56358 AU
desc. node	-12383 Jan 26 j 04:23	24°♄28'42		morning rise	-12382 Jan 04 j 10:14	5°♄14'26	
direct	-12383 Jan 27 j 20:27	24°♄22'27		direct	-12382 Jan 08 j 17:11	4°♄33'26	
	-12383 Feb 09 j 00:37	0°♄		desc. node	-12382 Jan 13 j 01:01	5°♄16'15	
morning max el	-12383 Feb 09 j 17:35	0°♄39'25	22°20'40	morning max el	-12382 Jan 22 j 10:11	11°♄24'24	23°57'18
	-12383 Feb 28 j 21:15	0°♄			-12382 Feb 05 j 08:33	0°♄	
morning set	-12383 Mar 03 j 07:56	5°♄00'26		morning set	-12382 Feb 15 j 20:11	20°♄03'47	
asc. node	-12383 Mar 06 j 20:54	12°♄27'39			-12382 Feb 20 j 11:53	0°♄	
				asc. node	-12382 Feb 21 j 18:04	2°♄42'45	
superior conj	-12383 Mar 10 j 14:24	20°♄21'36	0°34'16				
minimum elong	-12383 Mar 10 j 12:57	20°♄13'57	0°33'17	superior conj	-12382 Feb 22 j 21:23	5°♄09'49	0°10'43
max. Earth dist.	-12383 Mar 13 j 13:55	26°♄34'11	1.34395 AU	minimum elong	-12382 Feb 22 j 20:58	5°♄07'31	0°09'58
	-12383 Mar 15 j 06:13	0°♄		behind sun begin	-12382 Feb 22 j 16:56	4°♄45'50	
evening rise	-12383 Mar 18 j 15:11	6°♄42'11		behind sun end	-12382 Feb 23 j 01:00	5°♄29'11	
	-12383 Mar 31 j 16:38	0°♄		max. Earth dist.	-12382 Feb 24 j 18:22	9°♄10'25	1.33526 AU
evening max el	-12383 Apr 22 j 05:14	28°♄44'26	27°13'03	evening rise	-12382 Mar 02 j 10:54	20°♄57'47	
	-12383 Apr 23 j 13:06	0°♄			-12382 Mar 07 j 02:33	0°♄	
desc. node	-12383 Apr 24 j 04:10	0°♄33'59			-12382 Mar 25 j 16:40	0°♄	
retrograde	-12383 May 05 j 16:00	6°♄18'27		evening max el	-12382 Apr 04 j 15:09	11°♄37'48	27°27'28
evening set	-12383 May 12 j 12:19	3°♄34'27		desc. node	-12382 Apr 11 j 01:25	16°♄47'32	
	-12383 May 16 j 04:30	30°♄		retrograde	-12382 Apr 18 j 10:43	19°♄12'15	
min. Earth dist.	-12383 May 16 j 06:30	29°♄54'27	0.64560 AU	evening set	-12382 Apr 25 j 08:41	16°♄43'09	
inferior conj	-12383 May 18 j 11:00	27°♄25'28	-3°18'46	min. Earth dist.	-12382 Apr 29 j 00:55	13°♄32'12	0.62954 AU
minimum elong	-12383 May 18 j 12:17	27°♄21'50	3°19'05	inferior conj	-12382 May 01 j 19:30	10°♄42'34	-3°24'15
morning rise	-12383 May 24 j 12:46	21°♄54'38		minimum elong	-12382 May 01 j 19:26	10°♄42'44	3°24'50
direct	-12383 May 27 j 11:37	21°♄07'47		morning rise	-12382 May 08 j 07:20	5°♄29'31	
asc. node	-12383 Jun 02 j 21:05	24°♄31'25		direct	-12382 May 11 j 01:11	4°♄52'56	
morning max el	-12383 Jun 03 j 00:06	24°♄38'55	18°19'56	morning max el	-12382 May 17 j 13:49	8°♄15'25	18°03'45
	-12383 Jun 07 j 09:24	0°♄		asc. node	-12382 May 20 j 17:52	11°♄56'32	
morning set	-12383 Jun 21 j 20:49	23°♄16'36			-12382 May 31 j 23:05	0°♄	
	-12383 Jun 25 j 21:41	0°♄		morning set	-12382 Jun 03 j 16:47	4°♄47'37	
superior conj	-12383 Jul 05 j 23:00	16°♄24'06	1°19'59	superior conj	-12382 Jun 15 j 22:27	25°♄47'08	1°42'28
minimum elong	-12383 Jul 06 j 05:30	16°♄50'12	1°19'37	minimum elong	-12382 Jun 16 j 02:05	26°♄02'16	1°42'14
max. Earth dist.	-12383 Jul 09 j 10:21	21°♄57'08	1.44279 AU		-12382 Jun 18 j 11:32	0°♄	
	-12383 Jul 14 j 12:22	0°♄		max. Earth dist.	-12382 Jun 21 j 23:35	5°♄42'53	1.43330 AU
desc. node	-12383 Jul 21 j 00:37	10°♄12'42		evening rise	-12382 Jul 01 j 15:06	21°♄00'52	
evening rise	-12383 Jul 22 j 13:58	12°♄38'31			-12382 Jul 07 j 10:56	0°♄	
	-12383 Aug 02 j 19:20	0°♄		desc. node	-12382 Jul 07 j 22:07	0°♄42'37	
greatest brilliancy	-12383 Aug 03 j 02:30	0°♄27'11	-0.7m		-12382 Jul 28 j 17:23	0°♄	
evening max el	-12383 Aug 16 j 08:03	18°♄22'21	19°41'45	evening max el	-12382 Jul 30 j 09:57	1°♄49'18	20°44'28
retrograde	-12383 Aug 23 j 16:03	22°♄35'36		retrograde	-12382 Aug 07 j 12:41	6°♄34'14	
evening set	-12383 Aug 27 j 02:38	21°♄26'57		evening set	-12382 Aug 11 j 10:36	5°♄06'52	
asc. node	-12383 Aug 29 j 22:06	18°♄54'42			-12382 Aug 16 j 02:09	30°♄	
inferior conj	-12383 Sep 01 j 16:37	15°♄30'02	0°51'48	inferior conj	-12382 Aug 16 j 19:33	29°♄01'19	0°00'25
minimum elong	-12383 Sep 01 j 15:26	15°♄33'53	0°52'04	minimum elong	-12382 Aug 16 j 19:31	29°♄01'24	0°01'03
min. Earth dist.	-12383 Sep 02 j 19:15	14°♄03'31	0.66157 AU	transit middle	-12382 Aug 16 j 19:31	29°♄01'24	0°01'03
morning rise	-12383 Sep 07 j 03:55	9°♄11'02		transit begin	-12382 Aug 16 j 16:48	29°♄10'38	
direct	-12383 Sep 13 j 01:18	6°♄40'46		transit end	-12382 Aug 16 j 22:15	28°♄52'10	
morning max el	-12383 Sep 25 j 04:56	13°♄50'24	25°36'42	asc. node	-12382 Aug 16 j 19:01	29°♄03'06	
	-12383 Oct 08 j 11:01	0°♄		min. Earth dist.	-12382 Aug 17 j 11:09	28°♄08'29	0.66811 AU
desc. node	-12383 Oct 16 j 23:04	12°♄27'26		morning rise	-12382 Aug 22 j 04:17	22°♄40'08	
	-12383 Oct 27 j 15:50	0°♄		direct	-12382 Aug 27 j 11:22	20°♄25'51	
morning set	-12383 Oct 31 j 05:49	6°♄21'50		morning max el	-12382 Sep 07 j 14:45	27°♄05'49	24°18'23
max. Earth dist.	-12383 Nov 04 j 04:24	13°♄39'48	1.36568 AU		-12382 Sep 10 j 07:46	0°♄	
					-12382 Oct 02 j 03:01	0°♄	
superior conj	-12383 Nov 09 j 20:25	24°♄41'45	-1°36'57	desc. node	-12382 Oct 03 j 19:56	2°♄40'11	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning set	-12382 Oct 13 j 03:01	17°☿59'26		desc. node	-12381 Sep 20 j 16:55	23°♊06'35	
max. Earth dist.	-12382 Oct 17 j 04:32	25°☿07'48	1.38442 AU	morning set	-12381 Sep 23 j 22:56	28°♊22'19	
	-12382 Oct 19 j 20:55	0°♌		max. Earth dist.	-12381 Sep 24 j 22:41	0°♌	
					-12381 Sep 29 j 04:17	7°♌06'22	1.40415 AU
superior conj	-12382 Oct 24 j 03:35	8°♌01'13	-1°35'23	superior conj	-12381 Oct 06 j 18:32	20°♌28'43	-1°24'26
minimum elong	-12382 Oct 24 j 02:21	7°♌55'20	1°34'44	minimum elong	-12381 Oct 06 j 15:29	20°♌14'55	1°23'31
evening rise	-12382 Nov 01 j 19:19	24°♌56'29			-12381 Oct 11 j 22:09	0°♌	
	-12382 Nov 04 j 09:30	0°♍		evening rise	-12381 Oct 16 j 11:12	8°♌35'39	
asc. node	-12382 Nov 12 j 17:55	14°♍41'02			-12381 Oct 28 j 19:40	0°♍	
evening max el	-12382 Nov 18 j 11:17	21°♍48'11	18°58'27	asc. node	-12381 Oct 30 j 15:14	2°♍21'04	
retrograde	-12382 Nov 26 j 23:21	25°♍53'20		evening max el	-12381 Nov 01 j 15:22	4°♍32'41	18°23'08
evening set	-12382 Nov 29 j 11:14	25°♍33'42		retrograde	-12381 Nov 09 j 03:35	8°♍16'41	
inferior conj	-12382 Dec 07 j 10:30	21°♍13'27	4°15'29	evening set	-12381 Nov 11 j 14:41	7°♍53'43	
minimum elong	-12382 Dec 07 j 11:37	21°♍11'28	4°15'34	inferior conj	-12381 Nov 19 j 01:19	3°♍12'36	4°11'16
min. Earth dist.	-12382 Dec 10 j 11:09	19°♍04'40	0.57795 AU	minimum elong	-12381 Nov 18 j 23:12	3°♍16'58	4°11'27
morning rise	-12382 Dec 15 j 10:02	16°♍13'40		min. Earth dist.	-12381 Nov 22 j 05:43	0°♍36'14	0.59570 AU
direct	-12382 Dec 21 j 00:34	14°♍59'20			-12381 Nov 23 j 00:29	30°♌	
desc. node	-12382 Dec 30 j 21:37	18°♍40'32		morning rise	-12381 Nov 26 j 06:02	27°♌51'14	
morning max el	-12381 Jan 04 j 00:57	22°♍08'39	25°29'32	direct	-12381 Dec 02 j 19:23	25°♌59'31	
	-12381 Jan 10 j 23:33	0°♎			-12381 Dec 12 j 22:38	0°♍	
	-12381 Jan 28 j 20:41	0°♎		morning max el	-12381 Dec 16 j 20:04	3°♍19'18	26°42'19
morning set	-12381 Jan 31 j 08:33	5°♎08'56		desc. node	-12381 Dec 17 j 18:12	4°♍13'31	
					-12380 Jan 05 j 07:18	0°♎	
superior conj	-12381 Feb 07 j 07:39	20°♎09'11	-0°12'26	morning set	-12380 Jan 15 j 19:15	20°♎09'15	
minimum elong	-12381 Feb 07 j 08:11	20°♎12'04	0°12'54		-12380 Jan 20 j 09:56	0°♎	
behind sun begin	-12381 Feb 07 j 05:16	19°♎56'15		superior conj	-12380 Jan 22 j 19:26	5°♎13'32	-0°34'20
behind sun end	-12381 Feb 07 j 11:05	20°♎27'53		minimum elong	-12380 Jan 22 j 20:45	5°♎20'43	0°34'32
max. Earth dist.	-12381 Feb 08 j 05:05	22°♎05'41	1.32992 AU	max. Earth dist.	-12380 Jan 22 j 18:25	5°♎08'01	1.32786 AU
asc. node	-12381 Feb 08 j 15:17	23°♎01'04		asc. node	-12380 Jan 26 j 12:35	13°♎18'27	
	-12381 Feb 11 j 21:25	0°♏		evening rise	-12380 Jan 29 j 21:22	20°♎27'07	
evening rise	-12381 Feb 14 j 13:46	5°♏35'31			-12380 Feb 03 j 15:20	0°♏	
	-12381 Feb 27 j 18:33	0°♏			-12380 Feb 22 j 15:36	0°♏	
evening max el	-12381 Mar 17 j 21:24	23°♏59'19	27°09'32	evening max el	-12380 Feb 27 j 22:18	5°♏43'19	26°19'31
	-12381 Mar 26 j 00:11	0°♐		retrograde	-12380 Mar 13 j 01:18	13°♏04'26	
desc. node	-12381 Mar 28 j 22:33	1°♐05'54		desc. node	-12380 Mar 14 j 19:37	12°♏56'32	
retrograde	-12381 Mar 31 j 22:13	1°♐29'31		evening set	-12380 Mar 18 j 23:13	11°♏36'14	
	-12381 Apr 06 j 13:59	30°♌		min. Earth dist.	-12380 Mar 23 j 11:39	8°♏44'48	0.59078 AU
evening set	-12381 Apr 07 j 13:08	29°♏27'10		inferior conj	-12380 Mar 26 j 19:19	6°♏09'50	-2°37'15
min. Earth dist.	-12381 Apr 11 j 10:10	26°♏33'22	0.61064 AU	minimum elong	-12380 Mar 26 j 16:04	6°♏16'14	2°37'22
inferior conj	-12381 Apr 14 j 15:29	23°♏40'09	-3°12'21	morning rise	-12380 Apr 03 j 11:55	1°♏36'22	
minimum elong	-12381 Apr 14 j 13:40	23°♏44'14	3°12'51	direct	-12380 Apr 05 j 20:41	1°♏16'27	
morning rise	-12381 Apr 21 j 16:16	18°♏46'41		morning max el	-12380 Apr 13 j 13:18	4°♏58'55	18°27'35
direct	-12381 Apr 24 j 05:36	18°♏19'07		asc. node	-12380 Apr 23 j 11:31	19°♏04'57	
morning max el	-12381 May 01 j 03:09	21°♏44'43	18°06'08		-12380 Apr 29 j 08:58	0°♐	
	-12381 May 07 j 11:44	0°♐		morning set	-12380 Apr 29 j 16:43	0°♐36'56	
asc. node	-12381 May 07 j 14:40	0°♐11'33					
morning set	-12381 May 17 j 09:00	17°♐18'04		superior conj	-12380 May 09 j 03:40	18°♐27'40	1°43'17
	-12381 May 24 j 08:40	0°♑		minimum elong	-12380 May 09 j 01:22	18°♐17'03	1°42'39
superior conj	-12381 May 28 j 00:55	6°♑30'29	1°49'04		-12380 May 15 j 14:12	0°♑	
minimum elong	-12381 May 28 j 00:52	6°♑30'19	1°48'45	max. Earth dist.	-12380 May 16 j 09:22	1°♑23'18	1.40046 AU
max. Earth dist.	-12381 Jun 04 j 07:24	18°♑54'51	1.41848 AU	evening rise	-12380 May 21 j 01:46	9°♑20'46	
evening rise	-12381 Jun 10 j 20:53	29°♑36'39			-12380 Jun 03 j 02:59	0°♑	
	-12381 Jun 11 j 02:44	0°♒		desc. node	-12380 Jun 10 j 17:11	11°♑02'28	
desc. node	-12381 Jun 24 j 19:38	21°♑01'02		evening max el	-12380 Jun 24 j 17:37	28°♑30'46	23°20'29
	-12381 Jul 01 j 01:32	0°♒			-12380 Jun 26 j 06:35	0°♒	
evening max el	-12381 Jul 13 j 04:44	15°♒11'28	21°58'58	retrograde	-12380 Jul 05 j 01:05	4°♒38'24	
retrograde	-12381 Jul 22 j 08:08	20°♒36'17		evening set	-12380 Jul 10 j 02:24	2°♒29'04	
evening set	-12381 Jul 26 j 19:10	18°♒48'03			-12380 Jul 12 j 11:13	30°♌	
inferior conj	-12381 Aug 01 j 01:05	12°♒36'35	-0°48'21	inferior conj	-12380 Jul 15 j 07:27	26°♒14'07	-1°33'06
minimum elong	-12381 Aug 01 j 02:04	12°♒33'12	0°47'28	minimum elong	-12380 Jul 15 j 09:11	26°♒08'09	1°32'11
min. Earth dist.	-12381 Aug 01 j 06:07	12°♒19'14	0.67166 AU	min. Earth dist.	-12380 Jul 15 j 01:44	26°♒33'50	0.67224 AU
asc. node	-12381 Aug 03 j 15:53	9°♒07'15		morning rise	-12380 Jul 20 j 15:54	19°♒59'33	
morning rise	-12381 Aug 06 j 08:53	6°♒16'54		asc. node	-12380 Jul 20 j 12:42	20°♒05'56	
direct	-12381 Aug 11 j 02:06	4°♒20'40		direct	-12380 Jul 24 j 20:41	18°♒21'16	
morning max el	-12381 Aug 21 j 02:10	10°♒21'59	22°54'36	morning max el	-12380 Aug 02 j 17:36	23°♒40'11	21°33'12
	-12381 Sep 05 j 11:14	0°♓					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12380 Aug 08 j 03:33	0°♄				-12379 Aug 21 j 17:58	0°♄	
	-12380 Aug 28 j 21:22	0°♄		max. Earth dist.		-12379 Aug 23 j 18:38	3°♄14'38	1.43635 AU
morning set	-12380 Sep 02 j 17:29	7°♄32'51		desc. node		-12379 Aug 24 j 11:15	4°♄21'24	
desc. node	-12380 Sep 06 j 14:01	13°♄41'26						
max. Earth dist.	-12380 Sep 10 j 08:21	19°♄48'53	1.42229 AU	superior conj		-12379 Aug 29 j 01:42	11°♄49'57	-0°27'20
	-12380 Sep 16 j 10:11	0°♄		minimum elong		-12379 Aug 28 j 23:04	11°♄39'06	0°26'17
						-12379 Sep 08 j 21:12	0°♄	
superior conj	-12380 Sep 17 j 11:31	1°♄48'35	-1°02'02	evening rise		-12379 Sep 11 j 02:15	3°♄48'28	
minimum elong	-12380 Sep 17 j 07:25	1°♄30'59	1°00'50			-12379 Sep 27 j 17:01	0°♄	
evening rise	-12380 Sep 28 j 15:04	21°♄36'31		evening max el		-12379 Sep 28 j 14:59	0°♄58'40	18°11'32
	-12380 Oct 03 j 06:44	0°♄		asc. node		-12379 Oct 03 j 09:43	4°♄14'29	
evening max el	-12380 Oct 15 j 01:36	17°♄38'29	18°07'49	retrograde		-12379 Oct 05 j 05:57	4°♄31'55	
asc. node	-12380 Oct 16 j 12:31	18°♄57'32		evening set		-12379 Oct 07 j 21:36	3°♄56'18	
retrograde	-12380 Oct 21 j 23:03	21°♄12'15				-12379 Oct 13 j 00:15	30°♄	
evening set	-12380 Oct 24 j 11:20	20°♄44'08		inferior conj		-12379 Oct 14 j 09:01	28°♄34'53	3°02'22
inferior conj	-12380 Oct 31 j 09:52	15°♄42'00	3°43'45	minimum elong		-12379 Oct 14 j 05:16	28°♄44'49	3°02'02
minimum elong	-12380 Oct 31 j 06:12	15°♄50'38	3°43'37	min. Earth dist.		-12379 Oct 16 j 19:26	26°♄00'51	0.63098 AU
min. Earth dist.	-12380 Nov 03 j 07:49	12°♄58'07	0.61406 AU	morning rise		-12379 Oct 20 j 12:01	22°♄39'51	
morning rise	-12380 Nov 06 j 23:46	10°♄02'20		direct		-12379 Oct 27 j 12:29	20°♄00'36	
direct	-12380 Nov 14 j 00:01	7°♄40'16		morning max el		-12379 Nov 10 j 04:07	27°♄31'45	27°32'45
morning max el	-12380 Nov 27 j 21:29	15°♄07'16	27°24'48			-12379 Nov 12 j 14:03	0°♄	
desc. node	-12380 Dec 03 j 14:47	21°♄21'03		desc. node		-12379 Nov 20 j 11:24	9°♄36'33	
	-12380 Dec 10 j 03:33	0°♄				-12379 Dec 03 j 17:52	0°♄	
	-12380 Dec 27 j 15:34	0°♄		morning set		-12379 Dec 14 j 03:19	19°♄22'43	
morning set	-12380 Dec 30 j 02:17	4°♄56'37				-12379 Dec 19 j 06:40	0°♄	
max. Earth dist.	-12379 Jan 05 j 06:42	18°♄03'43	1.32913 AU	max. Earth dist.		-12379 Dec 19 j 14:18	0°♄40'25	1.33405 AU
superior conj	-12379 Jan 06 j 07:02	20°♄15'55	-0°54'20	superior conj		-12379 Dec 21 j 16:43	5°♄09'55	-1°11'40
minimum elong	-12379 Jan 06 j 08:52	20°♄25'57	0°54'17	minimum elong		-12379 Dec 21 j 18:44	5°♄20'50	1°11'27
	-12379 Jan 10 j 18:35	0°♄		evening rise		-12379 Dec 28 j 18:55	20°♄22'10	
asc. node	-12379 Jan 12 j 09:56	3°♄30'13		asc. node		-12379 Dec 30 j 07:20	23°♄31'28	
evening rise	-12379 Jan 13 j 07:40	5°♄24'48				-12378 Jan 02 j 12:56	0°♄	
	-12379 Jan 26 j 12:47	0°♄		evening max el		-12378 Jan 21 j 11:25	27°♄47'26	23°31'53
evening max el	-12379 Feb 08 j 18:04	16°♄54'22	25°03'20			-12378 Jan 24 j 01:03	0°♄	
retrograde	-12379 Feb 22 j 17:39	23°♄57'27		retrograde		-12378 Feb 03 j 21:00	4°♄19'43	
evening set	-12379 Feb 27 j 15:05	23°♄02'04		evening set		-12378 Feb 07 j 17:34	3°♄47'09	
desc. node	-12379 Mar 01 j 16:34	22°♄07'57		min. Earth dist.		-12378 Feb 15 j 00:22	0°♄22'50	0.55994 AU
min. Earth dist.	-12379 Mar 05 j 07:46	19°♄59'42	0.57281 AU			-12378 Feb 15 j 15:38	30°♄	
inferior conj	-12379 Mar 08 j 04:06	18°♄04'20	-1°33'43	inferior conj		-12378 Feb 16 j 17:38	29°♄20'50	-0°02'41
minimum elong	-12379 Mar 08 j 01:02	18°♄09'33	1°33'37	minimum elong		-12378 Feb 16 j 17:29	29°♄21'03	0°03'17
morning rise	-12379 Mar 16 j 14:13	13°♄48'28		transit middle		-12378 Feb 16 j 17:29	29°♄21'03	0°03'17
direct	-12379 Mar 18 j 18:51	13°♄34'10		transit begin		-12378 Feb 16 j 13:34	29°♄26'58	
morning max el	-12379 Mar 27 j 17:11	17°♄48'25	19°08'37	transit end		-12378 Feb 16 j 21:25	29°♄15'08	
	-12379 Apr 05 j 16:47	0°♄		desc. node		-12378 Feb 16 j 13:25	29°♄27'12	
asc. node	-12379 Apr 10 j 08:27	8°♄27'46		morning rise		-12378 Feb 25 j 19:36	25°♄16'04	
morning set	-12379 Apr 13 j 11:48	14°♄34'04		direct		-12378 Feb 27 j 23:45	25°♄04'07	
	-12379 Apr 21 j 07:55	0°♄				-12378 Mar 10 j 10:27	0°♄	
				morning max el		-12378 Mar 10 j 11:47	0°♄03'09	20°09'20
superior conj	-12379 Apr 22 j 01:19	1°♄24'05	1°29'08	asc. node		-12378 Mar 28 j 05:26	28°♄12'22	
minimum elong	-12379 Apr 21 j 22:16	1°♄09'21	1°28'11	morning set		-12378 Mar 28 j 14:50	28°♄59'46	
max. Earth dist.	-12379 Apr 28 j 09:21	13°♄16'41	1.38179 AU			-12378 Mar 29 j 02:44	0°♄	
evening rise	-12379 May 02 j 10:15	20°♄28'53						
	-12379 May 08 j 00:36	0°♄		superior conj		-12378 Apr 05 j 12:46	15°♄05'10	1°09'50
	-12379 May 28 j 02:38	0°♄		minimum elong		-12378 Apr 05 j 09:58	14°♄51'06	1°08'43
desc. node	-12379 May 28 j 14:44	0°♄39'43		max. Earth dist.		-12378 Apr 10 j 13:40	24°♄58'45	1.36469 AU
evening max el	-12379 Jun 07 j 03:38	11°♄51'25	24°42'04			-12378 Apr 13 j 05:26	0°♄	
retrograde	-12379 Jun 18 j 14:24	18°♄37'11		evening rise		-12378 Apr 14 j 18:05	2°♄49'17	
evening set	-12379 Jun 24 j 06:23	16°♄08'53				-12378 May 01 j 00:54	0°♄	
min. Earth dist.	-12379 Jun 28 j 19:39	10°♄50'47	0.66961 AU	desc. node		-12378 May 15 j 12:14	19°♄42'06	
inferior conj	-12379 Jun 29 j 12:52	9°♄52'54	-2°12'30	evening max el		-12378 May 20 j 13:29	25°♄13'26	25°55'18
minimum elong	-12379 Jun 29 j 15:02	9°♄45'34	2°11'46			-12378 May 26 j 05:36	0°♄	
morning rise	-12379 Jul 04 j 23:39	3°♄46'49		retrograde		-12378 Jun 01 j 23:17	2°♄26'44	
asc. node	-12379 Jul 07 j 09:28	2°♄35'31				-12378 Jun 07 j 21:52	30°♄	
direct	-12379 Jul 08 j 17:49	2°♄25'13		evening set		-12378 Jun 08 j 04:58	29°♄44'47	
morning max el	-12379 Jul 16 j 15:02	7°♄03'50	20°20'39	min. Earth dist.		-12378 Jun 12 j 09:25	25°♄05'59	0.66340 AU
	-12379 Aug 02 j 10:17	0°♄		inferior conj		-12378 Jun 13 j 15:25	23°♄29'50	-2°45'14
morning set	-12379 Aug 12 j 21:24	16°♄03'54		minimum elong		-12378 Jun 13 j 17:39	23°♄22'42	2°44'52

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning rise	-12378 Jun 19 j 06:23	17° X 35'30		asc. node	-12377 Jun 11 j 02:56	2° X 19'29	
direct	-12378 Jun 22 j 15:48	16° X 28'50		morning max el	-12377 Jun 13 j 04:14	4° X 09'33	18°37'22
asc. node	-12378 Jun 24 j 06:12	16° X 42'59			-12377 Jun 30 j 16:35	0° Y	
morning max el	-12378 Jun 29 j 18:53	20° X 33'47	19°21'10	morning set	-12377 Jul 03 j 11:01	4° Y 31'08	
	-12378 Jul 07 j 04:20	0° Y					
morning set	-12378 Jul 23 j 06:02	24° Y 49'21		superior conj	-12377 Jul 18 j 13:57	28° Y 50'15	0°59'47
	-12378 Jul 26 j 12:53	0° Z		minimum elong	-12377 Jul 18 j 20:10	29° Y 14'57	0°59'29
max. Earth dist.	-12378 Aug 06 j 09:51	17° Z 10'08	1.44436 AU		-12377 Jul 19 j 07:32	0° Z	
				max. Earth dist.	-12377 Jul 20 j 02:46	1° Z 16'11	1.44539 AU
superior conj	-12378 Aug 08 j 13:56	20° Z 36'55	0°16'27	desc. node	-12377 Jul 29 j 06:01	15° Z 42'28	
minimum elong	-12378 Aug 08 j 15:56	20° Z 44'55	0°16'46	evening rise	-12377 Aug 04 j 00:51	24° Z 51'11	
desc. node	-12378 Aug 11 j 08:36	25° Z 02'50			-12377 Aug 07 j 06:56	0° II	
	-12378 Aug 14 j 10:40	0° II		evening max el	-12377 Aug 26 j 15:15	27° II 57'16	19°12'10
evening rise	-12378 Aug 23 j 15:03	14° II 57'22			-12377 Aug 28 j 21:32	0° III	
	-12378 Sep 01 j 19:38	0° III		retrograde	-12377 Sep 02 j 15:31	1° III 56'42	
evening max el	-12378 Sep 12 j 04:29	14° III 26'46	18°33'20	evening set	-12377 Sep 05 j 20:32	0° III 57'18	
retrograde	-12378 Sep 18 j 20:33	18° III 08'37		asc. node	-12377 Sep 07 j 03:50	0° III 00'12	
asc. node	-12378 Sep 20 j 06:49	17° III 57'18			-12377 Sep 07 j 03:56	30° R II	
evening set	-12378 Sep 21 j 17:46	17° III 22'41		inferior conj	-12377 Sep 11 j 14:15	25° II 06'12	1°21'54
inferior conj	-12378 Sep 27 j 19:29	11° III 44'48	2°13'42	minimum elong	-12377 Sep 11 j 12:23	25° II 12'07	1°21'56
minimum elong	-12378 Sep 27 j 16:29	11° III 53'33	2°13'26	min. Earth dist.	-12377 Sep 12 j 23:27	23° II 21'52	0.65643 AU
min. Earth dist.	-12378 Sep 29 j 17:01	9° III 32'17	0.64521 AU	morning rise	-12377 Sep 17 j 03:49	18° II 50'11	
morning rise	-12378 Oct 03 j 14:35	5° III 37'30		direct	-12377 Sep 23 j 08:53	16° II 13'16	
direct	-12378 Oct 10 j 07:35	2° III 54'17		morning max el	-12377 Oct 06 j 00:18	23° II 34'25	26°15'58
morning max el	-12378 Oct 23 j 13:49	10° III 24'46	27°07'59		-12377 Oct 11 j 19:51	0° III	
desc. node	-12378 Nov 07 j 08:05	28° III 40'42		desc. node	-12377 Oct 25 j 04:49	18° III 18'58	
	-12378 Nov 08 j 05:51	0° II			-12377 Nov 01 j 13:29	0° II	
	-12378 Nov 26 j 02:07	0° III		morning set	-12377 Nov 10 j 22:45	16° II 31'10	
morning set	-12378 Nov 27 j 19:26	3° III 18'22		max. Earth dist.	-12377 Nov 15 j 02:56	24° II 29'03	1.35624 AU
max. Earth dist.	-12378 Dec 02 j 13:53	12° III 49'46	1.34300 AU		-12377 Nov 17 j 21:46	0° III	
superior conj	-12378 Dec 05 j 22:32	19° III 48'58	-1°25'25	superior conj	-12377 Nov 19 j 22:05	4° III 04'30	-1°34'28
minimum elong	-12378 Dec 06 j 00:20	19° III 58'26	1°25'06	minimum elong	-12377 Nov 19 j 23:08	4° III 09'52	1°34'04
	-12378 Dec 10 j 17:52	0° IV		evening rise	-12377 Nov 27 j 13:40	19° III 52'28	
evening rise	-12378 Dec 13 j 05:30	5° IV 13'38			-12377 Dec 02 j 15:59	0° IV	
asc. node	-12378 Dec 17 j 04:43	13° IV 16'49		asc. node	-12377 Dec 04 j 02:07	2° IV 38'58	
	-12378 Dec 26 j 22:30	0° V		evening max el	-12377 Dec 16 j 10:29	20° IV 06'34	20°34'54
evening max el	-12377 Jan 03 j 07:15	8° V 45'08	21°58'35	retrograde	-12377 Dec 27 j 05:24	25° IV 10'25	
retrograde	-12377 Jan 15 j 14:00	14° V 35'20		evening set	-12377 Dec 29 j 22:05	24° IV 52'44	
evening set	-12377 Jan 18 j 16:22	14° V 14'00		inferior conj	-12376 Jan 07 j 16:07	20° IV 53'06	3°09'57
inferior conj	-12377 Jan 27 j 17:41	10° V 09'30	1°40'54	minimum elong	-12376 Jan 07 j 21:52	20° IV 44'34	3°08'24
minimum elong	-12377 Jan 27 j 21:49	10° V 03'37	1°39'11	min. Earth dist.	-12376 Jan 09 j 04:11	19° IV 59'46	0.55798 AU
min. Earth dist.	-12377 Jan 27 j 14:48	10° V 13'37	0.55465 AU	morning rise	-12376 Jan 16 j 20:13	16° IV 30'20	
desc. node	-12377 Feb 03 j 10:09	6° V 49'13		direct	-12376 Jan 20 j 08:29	16° IV 03'13	
morning rise	-12377 Feb 06 j 03:32	6° V 03'25		desc. node	-12376 Jan 21 j 06:48	16° IV 05'10	
direct	-12377 Feb 08 j 16:41	5° V 48'41		morning max el	-12376 Feb 02 j 16:11	22° IV 36'34	23°01'28
morning max el	-12377 Feb 20 j 19:14	11° V 38'06	21°28'31		-12376 Feb 09 j 02:19	0° V	
	-12377 Mar 05 j 21:52	0° VI		morning set	-12376 Feb 25 j 10:30	28° V 45'09	
morning set	-12377 Mar 12 j 23:09	13° VI 46'19			-12376 Feb 26 j 00:47	0° VI	
asc. node	-12377 Mar 15 j 02:32	18° VI 13'12		asc. node	-12376 Feb 29 j 23:41	8° VI 24'14	
superior conj	-12377 Mar 20 j 10:08	29° VI 20'11	0°47'41	superior conj	-12376 Mar 03 j 14:18	13° VI 58'25	0°24'18
minimum elong	-12377 Mar 20 j 08:07	29° VI 09'44	0°46'36	minimum elong	-12376 Mar 03 j 13:17	13° VI 53'00	0°23'23
	-12377 Mar 20 j 17:50	0° VII		max. Earth dist.	-12376 Mar 06 j 02:13	19° VI 14'26	1.33979 AU
max. Earth dist.	-12377 Mar 24 j 03:03	6° VII 54'31	1.35053 AU	evening rise	-12376 Mar 11 j 09:45	0° VII 03'23	
evening rise	-12377 Mar 28 j 19:35	16° VII 06'07			-12376 Mar 11 j 09:03	0° VII	
	-12377 Apr 05 j 11:02	0° VIII			-12376 Mar 28 j 12:28	0° VIII	
	-12377 Apr 25 j 10:49	0° IX		evening max el	-12376 Apr 14 j 10:39	21° VIII 36'54	27°22'50
desc. node	-12377 May 02 j 09:36	7° IX 55'40		desc. node	-12376 Apr 18 j 06:52	25° VIII 00'21	
evening max el	-12377 May 03 j 00:09	8° IX 31'58	26°51'23	retrograde	-12376 Apr 28 j 01:39	29° VIII 12'29	
retrograde	-12377 May 16 j 03:10	16° IX 01'15		evening set	-12376 May 04 j 23:44	26° VIII 32'49	
evening set	-12377 May 22 j 19:42	13° IX 14'23		min. Earth dist.	-12376 May 08 j 16:19	23° VIII 06'40	0.63922 AU
min. Earth dist.	-12377 May 26 j 16:52	9° IX 14'21	0.65332 AU	inferior conj	-12376 May 11 j 03:08	20° VIII 26'52	-3°22'57
inferior conj	-12377 May 28 j 13:01	7° IX 02'37	-3°09'32	minimum elong	-12376 May 11 j 03:55	20° VIII 24'45	3°23'23
minimum elong	-12377 May 28 j 14:49	6° IX 57'16	3°09'37	morning rise	-12376 May 17 j 08:53	15° VIII 03'41	
morning rise	-12377 Jun 03 j 10:13	1° IX 22'44		direct	-12376 May 20 j 05:28	14° VIII 21'30	
direct	-12377 Jun 06 j 12:32	0° X 29'11		morning max el	-12376 May 26 j 17:05	17° VIII 47'31	18°10'50

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

asc. node	-12376 May 27 j 23:42	19°≈09'30		minimum elong	-12375 Apr 24 j 05:57	3°≈38'15	3°22'18
	-12376 Jun 04 j 14:08	0°✠			-12375 Apr 28 j 09:23	30°✠	
morning set	-12376 Jun 13 j 17:17	15°✠22'59		morning rise	-12375 Apr 30 j 23:43	28°✠31'31	
	-12376 Jun 22 j 09:27	0°☿		direct	-12375 May 03 j 15:28	27°✠59'06	
					-12375 May 08 j 17:45	0°≈	
superior conj	-12376 Jun 27 j 00:10	7°☿34'47	1°31'36	morning max el	-12375 May 10 j 06:59	1°≈21'45	18°02'27
minimum elong	-12376 Jun 27 j 05:48	7°☿57'43	1°31'17	asc. node	-12375 May 14 j 20:30	6°≈57'15	
max. Earth dist.	-12376 Jul 01 j 17:43	15°☿12'47	1.43947 AU	morning set	-12375 May 26 j 22:29	27°≈20'27	
	-12376 Jul 11 j 02:29	0°♄			-12375 May 28 j 10:14	0°✠	
evening rise	-12376 Jul 13 j 09:48	3°♄35'26					
desc. node	-12376 Jul 15 j 03:28	6°♄17'01		superior conj	-12375 Jun 07 j 11:03	17°✠31'41	1°47'03
	-12376 Jul 30 j 20:49	0°♁		minimum elong	-12375 Jun 07 j 13:02	17°✠40'05	1°46'49
evening max el	-12376 Aug 08 j 20:50	11°♁26'13	20°06'46	max. Earth dist.	-12375 Jun 14 j 04:19	28°✠43'52	1.42749 AU
retrograde	-12376 Aug 16 j 12:12	15°♁52'23			-12375 Jun 14 j 22:59	0°☿	
evening set	-12376 Aug 20 j 03:16	14°♁36'13		evening rise	-12375 Jun 22 j 09:57	11°☿54'51	
asc. node	-12376 Aug 24 j 00:47	10°♁38'59		desc. node	-12375 Jul 02 j 00:58	26°☿42'30	
inferior conj	-12376 Aug 25 j 14:51	8°♁35'07	0°29'47		-12375 Jul 04 j 05:45	0°♄	
minimum elong	-12376 Aug 25 j 14:11	8°♁37'22	0°30'12	evening max el	-12375 Jul 22 j 19:43	24°♄51'11	21°14'59
min. Earth dist.	-12376 Aug 26 j 12:43	7°♁22'35	0.66465 AU	retrograde	-12375 Jul 31 j 08:30	29°♄52'28	
morning rise	-12376 Aug 31 j 00:50	2°♁14'27		evening set	-12375 Aug 04 j 11:43	28°♄16'40	
	-12376 Sep 04 j 04:23	30°♄		inferior conj	-12375 Aug 09 j 19:09	22°♄08'25	-0°20'40
direct	-12376 Sep 05 j 16:03	29°♄50'34		minimum elong	-12375 Aug 09 j 19:34	22°♄06'58	0°19'55
	-12376 Sep 07 j 04:58	0°♁		min. Earth dist.	-12375 Aug 10 j 06:18	21°♄30'10	0.66998 AU
morning max el	-12376 Sep 17 j 10:15	6°♁49'50	25°04'36	asc. node	-12375 Aug 10 j 21:42	20°♄37'49	
	-12376 Oct 05 j 13:15	0°♄		morning rise	-12375 Aug 15 j 03:15	15°♄47'12	
desc. node	-12376 Oct 11 j 01:39	8°♄21'28		direct	-12375 Aug 20 j 04:22	13°♄40'14	
morning set	-12376 Oct 23 j 08:30	28°♄47'56		morning max el	-12375 Aug 30 j 20:18	20°♄04'55	23°42'47
	-12376 Oct 24 j 00:41	0°♁			-12375 Sep 08 j 06:20	0°♁	
max. Earth dist.	-12376 Oct 27 j 06:08	5°♁51'51	1.37333 AU	desc. node	-12375 Sep 27 j 22:35	28°♁40'25	
					-12375 Sep 28 j 18:33	0°♄	
superior conj	-12376 Nov 02 j 12:19	17°♁47'35	-1°37'17	morning set	-12375 Oct 04 j 19:19	9°♄54'14	
minimum elong	-12376 Nov 02 j 12:04	17°♁46'20	1°36'47	max. Earth dist.	-12375 Oct 09 j 04:45	17°♄27'12	1.39284 AU
	-12376 Nov 08 j 15:06	0°♁			-12375 Oct 16 j 03:15	0°♁	
evening rise	-12376 Nov 10 j 17:27	4°♁13'08		superior conj	-12375 Oct 16 j 13:12	0°♁46'27	-1°32'01
asc. node	-12376 Nov 19 j 23:27	21°♁29'44		minimum elong	-12375 Oct 16 j 11:11	0°♁37'03	1°31'16
	-12376 Nov 26 j 01:05	0°♁		evening rise	-12375 Oct 25 j 14:29	18°♁08'55	
evening max el	-12376 Nov 27 j 23:56	2°♁02'07	19°28'02		-12375 Oct 31 j 21:14	0°♁	
retrograde	-12376 Dec 07 j 06:13	6°♁25'08		asc. node	-12375 Nov 06 j 20:47	9°♁38'51	
evening set	-12376 Dec 09 j 19:03	6°♁06'56		evening max el	-12375 Nov 10 j 23:19	14°♁30'33	18°40'59
inferior conj	-12376 Dec 18 j 01:38	1°♁57'22	4°02'59	retrograde	-12375 Nov 18 j 23:54	18°♁24'45	
minimum elong	-12376 Dec 18 j 04:57	1°♁51'52	4°02'36	evening set	-12375 Nov 21 j 11:21	18°♁03'50	
min. Earth dist.	-12376 Dec 20 j 17:43	0°♁12'10	0.56905 AU	inferior conj	-12375 Nov 29 j 05:15	13°♁35'18	4°17'13
	-12376 Dec 21 j 01:23	30°♄		minimum elong	-12375 Nov 29 j 04:48	13°♁36'08	4°17'27
morning rise	-12376 Dec 26 j 12:43	27°♁10'38		min. Earth dist.	-12375 Dec 02 j 09:18	11°♁12'10	0.58530 AU
direct	-12376 Dec 31 j 09:29	26°♁16'38		morning rise	-12375 Dec 06 j 20:23	8°♁26'05	
desc. node	-12375 Jan 07 j 03:27	28°♁00'49		direct	-12375 Dec 12 j 22:21	6°♁55'15	
	-12375 Jan 10 j 09:03	0°♁		desc. node	-12375 Dec 25 j 00:04	12°♁23'31	
morning max el	-12375 Jan 14 j 07:14	3°♁17'48	24°37'57	morning max el	-12375 Dec 26 j 23:06	14°♁09'47	26°03'36
	-12375 Feb 02 j 00:14	0°♁			-12374 Jan 08 j 14:48	0°♁	
morning set	-12375 Feb 08 j 22:58	13°♁49'29		morning set	-12374 Jan 24 j 10:51	28°♁53'08	
					-12374 Jan 24 j 23:34	0°♁	
superior conj	-12375 Feb 15 j 22:55	28°♁51'56	0°00'48	superior conj	-12374 Jan 31 j 10:03	13°♁54'12	-0°21'54
minimum elong	-12375 Feb 15 j 22:55	28°♁51'55	0°00'10	minimum elong	-12374 Jan 31 j 10:56	13°♁59'03	0°22'15
behind sun begin	-12375 Feb 15 j 17:50	28°♁24'25		max. Earth dist.	-12374 Jan 31 j 21:42	14°♁57'47	1.32864 AU
behind sun end	-12375 Feb 16 j 04:00	29°♁19'24		asc. node	-12374 Feb 02 j 18:09	18°♁59'22	
asc. node	-12375 Feb 15 j 20:53	28°♁40'55		evening rise	-12374 Feb 07 j 14:00	29°♁13'57	
	-12375 Feb 16 j 11:31	0°♄			-12374 Feb 07 j 22:56	0°♄	
max. Earth dist.	-12375 Feb 17 j 09:27	1°♄58'11	1.33255 AU		-12374 Feb 24 j 18:55	0°♄	
evening rise	-12375 Feb 23 j 08:50	14°♄29'08		evening max el	-12374 Mar 09 j 23:35	16°♄24'11	26°52'08
	-12375 Mar 03 j 11:41	0°♄		desc. node	-12374 Mar 23 j 01:11	23°♄48'05	
	-12375 Mar 23 j 17:55	0°≈		retrograde	-12374 Mar 24 j 01:59	23°♄50'53	
evening max el	-12375 Mar 27 j 19:11	4°≈17'17	27°23'55	evening set	-12374 Mar 30 j 10:37	22°♄02'59	
desc. node	-12375 Apr 05 j 04:04	10°≈28'44		min. Earth dist.	-12374 Apr 03 j 12:54	19°♄11'41	0.60210 AU
retrograde	-12375 Apr 10 j 17:46	11°≈51'19		inferior conj	-12374 Apr 06 j 20:21	16°♄23'43	-3°00'43
evening set	-12375 Apr 17 j 13:44	9°≈32'15		minimum elong	-12374 Apr 06 j 17:50	16°♄29'06	3°01'05
min. Earth dist.	-12375 Apr 21 j 06:54	6°≈30'12	0.62168 AU				
inferior conj	-12375 Apr 24 j 06:44	3°≈36'21	-3°21'43				

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning rise	-12374 Apr 14 j 03:29	11° ♁ 38'26			-12373 Mar 17 j 20:33	30° ♁ 8'27	
direct	-12374 Apr 16 j 14:52	11° ♁ 14'18		inferior conj	-12373 Mar 19 j 16:22	28° ♁ 39'05	-2°13'58
morning max el	-12374 Apr 23 j 19:18	14° ♁ 45'39	18°12'53	minimum elong	-12373 Mar 19 j 12:54	28° ♁ 45'29	2°13'56
asc. node	-12374 May 01 j 17:20	25° ♁ 30'01		morning rise	-12373 Mar 27 j 16:18	24° ♁ 13'27	
	-12374 May 04 j 08:03	0° ♁		direct	-12373 Mar 29 j 23:23	23° ♁ 56'05	
morning set	-12374 May 09 j 21:57	10° ♁ 13'27		morning max el	-12373 Apr 07 j 03:06	27° ♁ 49'57	18°42'39
					-12373 Apr 09 j 04:10	0° ♁	
superior conj	-12374 May 20 j 00:29	28° ♁ 48'04	1°47'52	asc. node	-12373 Apr 18 j 14:13	14° ♁ 36'39	
minimum elong	-12374 May 19 j 23:17	28° ♁ 42'40	1°47'26	morning set	-12373 Apr 23 j 10:58	23° ♁ 49'43	
	-12374 May 20 j 16:38	0° ♁			-12373 Apr 26 j 15:22	0° ♁	
max. Earth dist.	-12374 May 27 j 09:40	11° ♁ 38'30	1.41110 AU				
evening rise	-12374 Jun 02 j 00:17	20° ♁ 56'11		superior conj	-12373 May 02 j 11:56	11° ♁ 11'55	1°38'06
	-12374 Jun 07 j 16:53	0° ♁		minimum elong	-12373 May 02 j 09:09	10° ♁ 58'51	1°37'19
desc. node	-12374 Jun 18 j 22:30	16° ♁ 54'28		max. Earth dist.	-12373 May 09 j 10:38	23° ♁ 51'46	1.39248 AU
	-12374 Jun 28 j 10:59	0° ♁			-12373 May 12 j 23:18	0° ♁	
evening max el	-12374 Jul 05 j 11:55	8° ♁ 12'37	22°33'08	evening rise	-12373 May 13 j 17:02	1° ♁ 15'42	
retrograde	-12374 Jul 15 j 02:56	13° ♁ 55'03			-12373 Jun 01 j 00:23	0° ♁	
evening set	-12374 Jul 19 j 19:57	11° ♁ 57'51		desc. node	-12373 Jun 05 j 20:03	6° ♁ 46'25	
inferior conj	-12374 Jul 25 j 01:16	5° ♁ 44'53	-1°07'52	evening max el	-12373 Jun 17 j 23:15	21° ♁ 32'07	23°55'36
minimum elong	-12374 Jul 25 j 02:36	5° ♁ 40'17	1°06'57	retrograde	-12373 Jun 28 j 18:22	27° ♁ 56'25	
min. Earth dist.	-12374 Jul 25 j 01:50	5° ♁ 42'56	0.67237 AU	evening set	-12373 Jul 04 j 02:05	25° ♁ 38'22	
asc. node	-12374 Jul 28 j 18:33	0° ♁ 59'05		inferior conj	-12373 Jul 09 j 07:27	19° ♁ 22'51	-1°50'31
	-12374 Jul 29 j 18:01	30° ♁ 7'0		minimum elong	-12373 Jul 09 j 09:25	19° ♁ 16'08	1°49'40
morning rise	-12374 Jul 30 j 09:09	29° ♁ 27'01		min. Earth dist.	-12373 Jul 08 j 20:55	19° ♁ 58'51	0.67158 AU
direct	-12374 Aug 03 j 21:00	27° ♁ 38'17		morning rise	-12373 Jul 14 j 16:42	13° ♁ 11'47	
	-12374 Aug 09 j 15:21	0° ♁		asc. node	-12373 Jul 15 j 15:20	12° ♁ 33'40	
morning max el	-12374 Aug 13 j 09:00	3° ♁ 21'03	22°19'10	direct	-12373 Jul 18 j 16:46	11° ♁ 40'51	
	-12374 Sep 02 j 09:51	0° ♁		morning max el	-12373 Jul 27 j 02:56	16° ♁ 41'32	21°01'02
desc. node	-12374 Sep 14 j 19:37	19° ♁ 10'41			-12373 Aug 06 j 14:32	0° ♁	
morning set	-12374 Sep 15 j 03:52	19° ♁ 43'50		morning set	-12373 Aug 25 j 14:22	28° ♁ 32'40	
max. Earth dist.	-12374 Sep 21 j 06:00	29° ♁ 43'57	1.41232 AU		-12373 Aug 26 j 12:40	0° ♁	
	-12374 Sep 21 j 09:50	0° ♁		desc. node	-12373 Sep 01 j 16:47	9° ♁ 48'15	
				max. Earth dist.	-12373 Sep 03 j 13:27	12° ♁ 48'57	1.42893 AU
superior conj	-12374 Sep 28 j 19:34	12° ♁ 47'06	-1°16'27				
minimum elong	-12374 Sep 28 j 15:53	12° ♁ 30'50	1°15'22	superior conj	-12373 Sep 10 j 01:40	23° ♁ 35'00	-0°48'46
	-12374 Oct 08 j 05:49	0° ♁		minimum elong	-12373 Sep 09 j 21:46	23° ♁ 18'37	0°47'33
evening rise	-12374 Oct 09 j 01:44	1° ♁ 32'40			-12373 Sep 13 j 20:07	0° ♁	
asc. node	-12374 Oct 24 j 18:06	26° ♁ 53'32		evening rise	-12373 Sep 21 j 23:14	14° ♁ 15'09	
evening max el	-12374 Oct 25 j 06:24	27° ♁ 24'54	18°14'11		-12373 Oct 01 j 00:39	0° ♁	
	-12374 Oct 28 j 14:46	0° ♁		evening max el	-12373 Oct 08 j 18:21	10° ♁ 37'55	18°07'03
retrograde	-12374 Nov 01 j 11:02	1° ♁ 03'01		asc. node	-12373 Oct 11 j 15:20	12° ♁ 58'41	
evening set	-12374 Nov 03 j 22:32	0° ♁ 37'57		retrograde	-12373 Oct 15 j 12:07	14° ♁ 10'37	
	-12374 Nov 05 j 10:38	30° ♁ 8'0		evening set	-12373 Oct 18 j 01:32	13° ♁ 39'36	
inferior conj	-12374 Nov 11 j 03:53	25° ♁ 47'31	4°01'49	inferior conj	-12373 Oct 24 j 19:09	8° ♁ 28'38	3°27'29
minimum elong	-12374 Nov 11 j 00:54	25° ♁ 54'02	4°01'52	minimum elong	-12373 Oct 24 j 15:19	8° ♁ 38'10	3°27'13
min. Earth dist.	-12374 Nov 14 j 06:23	23° ♁ 05'52	0.60363 AU	min. Earth dist.	-12373 Oct 27 j 12:24	5° ♁ 47'20	0.62150 AU
morning rise	-12374 Nov 18 j 01:49	20° ♁ 18'21		morning rise	-12373 Oct 31 j 03:58	2° ♁ 41'55	
direct	-12374 Nov 24 j 21:24	18° ♁ 12'30		direct	-12373 Nov 07 j 05:15	0° ♁ 11'13	
morning max el	-12374 Dec 08 j 20:40	25° ♁ 34'40	27°04'35	morning max el	-12373 Nov 21 j 00:49	7° ♁ 40'10	27°32'31
desc. node	-12374 Dec 11 j 20:40	28° ♁ 40'07		desc. node	-12373 Nov 28 j 17:16	16° ♁ 19'46	
	-12374 Dec 13 j 01:05	0° ♁			-12373 Dec 08 j 07:04	0° ♁	
	-12373 Jan 01 j 19:59	0° ♁		morning set	-12373 Dec 24 j 01:04	28° ♁ 28'25	
morning set	-12373 Jan 08 j 20:14	13° ♁ 48'33			-12373 Dec 24 j 18:59	0° ♁	
				max. Earth dist.	-12373 Dec 29 j 22:10	10° ♁ 49'54	1.33078 AU
superior conj	-12373 Jan 15 j 21:56	28° ♁ 58'06	-0°43'06				
minimum elong	-12373 Jan 15 j 23:30	29° ♁ 06'42	0°43'11	superior conj	-12373 Dec 31 j 08:56	13° ♁ 57'49	-1°02'04
max. Earth dist.	-12373 Jan 15 j 11:11	27° ♁ 59'27	1.32800 AU	minimum elong	-12373 Dec 31 j 10:54	14° ♁ 08'29	1°01'56
	-12373 Jan 16 j 09:15	0° ♁		evening rise	-12372 Jan 07 j 09:54	29° ♁ 07'27	
asc. node	-12373 Jan 20 j 15:27	9° ♁ 14'48		asc. node	-12372 Jan 07 j 12:50	29° ♁ 22'50	
evening rise	-12373 Jan 22 j 22:58	14° ♁ 08'56			-12372 Jan 07 j 19:56	0° ♁	
	-12373 Jan 31 j 01:07	0° ♁			-12372 Jan 24 j 23:31	0° ♁	
evening max el	-12373 Feb 19 j 22:15	27° ♁ 53'10	25°49'50	evening max el	-12372 Feb 01 j 16:18	8° ♁ 53'11	24°25'25
	-12373 Feb 22 j 07:16	0° ♁		retrograde	-12372 Feb 15 j 11:14	15° ♁ 45'15	
retrograde	-12373 Mar 06 j 00:19	5° ♁ 07'09		evening set	-12372 Feb 19 j 21:54	15° ♁ 00'46	
desc. node	-12373 Mar 09 j 22:13	4° ♁ 29'51		desc. node	-12372 Feb 24 j 19:07	12° ♁ 43'07	
evening set	-12373 Mar 11 j 12:38	3° ♁ 53'41		min. Earth dist.	-12372 Feb 26 j 05:42	11° ♁ 50'38	0.56657 AU
min. Earth dist.	-12373 Mar 16 j 11:38	0° ♁ 59'16	0.58274 AU	inferior conj	-12372 Feb 28 j 16:38	10° ♁ 16'33	-0°57'58

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-12372 Feb 28 j 14:28	10° ♁ 20'01	0°58'02	minimum elong	-12371 Feb 08 j 00:59	21° ♁ 16'13	0°40'06
morning rise	-12372 Mar 08 j 10:05	6° ♁ 07'01		desc. node	-12371 Feb 10 j 15:54	19° ♁ 46'58	
direct	-12372 Mar 10 j 13:50	5° ♁ 54'11		morning rise	-12371 Feb 17 j 05:59	17° ♁ 15'13	
morning max el	-12372 Mar 20 j 03:23	10° ♁ 25'37	19°32'06	direct	-12371 Feb 19 j 12:04	17° ♁ 03'03	
	-12372 Apr 02 j 07:30	0° ♁		morning max el	-12371 Mar 02 j 17:27	22° ♁ 23'52	20°40'58
asc. node	-12372 Apr 04 j 11:09	4° ♁ 09'10			-12371 Mar 09 j 01:47	0° ♁	
morning set	-12372 Apr 06 j 09:45	7° ♁ 59'33		morning set	-12371 Mar 21 j 15:17	22° ♁ 34'34	
				asc. node	-12371 Mar 22 j 08:12	24° ♁ 01'06	
superior conj	-12372 Apr 14 j 16:00	24° ♁ 28'43	1°21'26		-12371 Mar 25 j 05:47	0° ♁	
minimum elong	-12372 Apr 14 j 12:57	24° ♁ 13'48	1°20'23	superior conj	-12371 Mar 29 j 08:05	8° ♁ 25'26	1°00'41
	-12372 Apr 17 j 12:21	0° ♁		minimum elong	-12371 Mar 29 j 05:34	8° ♁ 12'38	0°59'33
max. Earth dist.	-12372 Apr 20 j 11:34	5° ♁ 36'05	1.37419 AU	max. Earth dist.	-12371 Apr 02 j 18:54	17° ♁ 19'21	1.35821 AU
evening rise	-12372 Apr 24 j 12:03	12° ♁ 55'37		evening rise	-12371 Apr 07 j 04:04	25° ♁ 42'00	
	-12372 May 04 j 14:14	0° ♁			-12371 Apr 09 j 12:11	0° ♁	
desc. node	-12372 May 22 j 17:34	26° ♁ 09'56			-12371 Apr 28 j 00:45	0° ♁	
	-12372 May 25 j 21:18	0° ♁		desc. node	-12371 May 09 j 14:59	14° ♁ 53'33	
evening max el	-12372 May 30 j 08:42	4° ♁ 52'20	25°14'44	evening max el	-12371 May 12 j 18:46	18° ♁ 13'19	26°21'48
retrograde	-12372 Jun 11 j 05:58	11° ♁ 51'47		retrograde	-12371 May 25 j 12:58	25° ♁ 35'41	
evening set	-12372 Jun 17 j 04:03	9° ♁ 16'29		evening set	-12371 May 31 j 23:37	22° ♁ 50'21	
min. Earth dist.	-12372 Jun 21 j 13:17	4° ♁ 15'10	0.66739 AU	min. Earth dist.	-12371 Jun 05 j 00:42	18° ♁ 28'11	0.65951 AU
inferior conj	-12372 Jun 22 j 11:52	3° ♁ 00'33	-2°27'20	inferior conj	-12371 Jun 06 j 12:35	16° ♁ 36'12	-2°56'46
minimum elong	-12372 Jun 22 j 14:07	2° ♁ 53'06	2°26'44	minimum elong	-12371 Jun 06 j 14:42	16° ♁ 29'37	2°56'35
	-12372 Jun 24 j 20:45	30° ♁		morning rise	-12371 Jun 12 j 05:55	10° ♁ 47'36	
morning rise	-12372 Jun 28 j 00:13	26° ♁ 59'19		direct	-12371 Jun 15 j 12:01	9° ♁ 46'52	
direct	-12372 Jul 01 j 14:21	25° ♁ 44'30		asc. node	-12371 Jun 18 j 08:48	10° ♁ 31'18	
asc. node	-12372 Jul 01 j 12:04	25° ♁ 44'33		morning max el	-12371 Jun 22 j 09:36	13° ♁ 40'38	19°00'30
morning max el	-12372 Jul 09 j 03:14	0° ♁ 08'00	19°53'37		-12371 Jul 04 j 05:53	0° ♁	
	-12372 Jul 09 j 00:07	0° ♁		morning set	-12371 Jul 14 j 09:44	16° ♁ 08'31	
	-12372 Jul 30 j 04:55	0° ♁			-12371 Jul 23 j 02:51	0° ♁	
morning set	-12372 Aug 03 j 17:48	7° ♁ 03'05		max. Earth dist.	-12371 Jul 29 j 17:47	10° ♁ 28'56	1.44561 AU
max. Earth dist.	-12372 Aug 16 j 02:04	26° ♁ 29'04	1.44049 AU				
	-12372 Aug 18 j 06:49	0° ♁		superior conj	-12371 Jul 30 j 08:37	11° ♁ 27'39	0°35'35
desc. node	-12372 Aug 18 j 14:03	0° ♁		minimum elong	-12371 Jul 30 j 12:49	11° ♁ 44'17	0°35'35
superior conj	-12372 Aug 20 j 04:01	3° ♁ 01'55	-0°09'27	desc. node	-12371 Aug 05 j 11:25	21° ♁ 10'00	
minimum elong	-12372 Aug 20 j 03:03	2° ♁ 57'59	0°08'40		-12371 Aug 11 j 00:01	0° ♁	
behind sun begin	-12372 Aug 19 j 17:50	2° ♁ 20'48		evening rise	-12371 Aug 15 j 03:18	6° ♁ 39'47	
behind sun end	-12372 Aug 20 j 12:16	3° ♁ 35'13			-12371 Aug 29 j 22:07	0° ♁	
evening rise	-12372 Sep 03 j 01:39	26° ♁ 02'17		evening max el	-12371 Sep 04 j 20:46	7° ♁ 31'33	18°47'51
	-12372 Sep 05 j 09:51	0° ♁		retrograde	-12371 Sep 11 j 15:32	11° ♁ 19'45	
evening max el	-12372 Sep 21 j 08:05	24° ♁ 01'53	18°18'36	asc. node	-12371 Sep 14 j 09:34	10° ♁ 36'57	
retrograde	-12372 Sep 27 j 22:50	27° ♁ 38'05		evening set	-12371 Sep 14 j 15:45	10° ♁ 28'37	
asc. node	-12372 Sep 27 j 12:30	27° ♁ 37'05		inferior conj	-12371 Sep 20 j 13:52	4° ♁ 45'02	1°51'55
evening set	-12372 Sep 30 j 16:26	26° ♁ 58'36		minimum elong	-12371 Sep 20 j 11:19	4° ♁ 52'44	1°51'46
inferior conj	-12372 Oct 06 j 23:32	21° ♁ 29'50	2°42'21	min. Earth dist.	-12371 Sep 22 j 06:10	2° ♁ 43'36	0.65039 AU
minimum elong	-12372 Oct 06 j 20:02	21° ♁ 39'31	2°42'01		-12371 Sep 24 j 17:02	30° ♁	
min. Earth dist.	-12372 Oct 09 j 04:31	19° ♁ 03'38	0.63734 AU	morning rise	-12371 Sep 26 j 06:21	28° ♁ 33'31	
morning rise	-12372 Oct 12 j 22:49	15° ♁ 28'51		direct	-12371 Oct 02 j 18:47	25° ♁ 51'32	
direct	-12372 Oct 19 j 20:43	12° ♁ 46'19			-12371 Oct 12 j 02:12	0° ♁	
morning max el	-12372 Nov 02 j 09:17	20° ♁ 18'54	27°25'57	morning max el	-12371 Oct 15 j 19:23	3° ♁ 19'46	26°48'37
	-12372 Nov 10 j 21:03	0° ♁		desc. node	-12371 Nov 01 j 10:36	24° ♁ 17'46	
desc. node	-12372 Nov 14 j 13:54	4° ♁ 57'51			-12371 Nov 05 j 04:42	0° ♁	
	-12372 Nov 30 j 05:28	0° ♁		morning set	-12371 Nov 20 j 09:54	26° ♁ 21'36	
morning set	-12372 Dec 06 j 22:43	12° ♁ 42'53			-12371 Nov 22 j 07:08	0° ♁	
max. Earth dist.	-12372 Dec 12 j 02:40	23° ♁ 15'15	1.33734 AU	max. Earth dist.	-12371 Nov 24 j 21:35	5° ♁ 09'26	1.34812 AU
superior conj	-12372 Dec 14 j 17:13	28° ♁ 46'03	-1°18'00	superior conj	-12371 Nov 28 j 20:41	13° ♁ 15'59	-1°29'55
minimum elong	-12372 Dec 14 j 19:12	28° ♁ 56'39	1°17'44	minimum elong	-12371 Nov 28 j 22:14	13° ♁ 24'02	1°29'34
	-12372 Dec 15 j 07:04	0° ♁		evening rise	-12371 Dec 06 j 06:47	28° ♁ 48'49	
evening rise	-12372 Dec 21 j 21:03	14° ♁ 02'31			-12371 Dec 06 j 20:34	0° ♁	
asc. node	-12372 Dec 24 j 10:14	19° ♁ 17'47		asc. node	-12371 Dec 11 j 07:38	8° ♁ 53'48	
	-12372 Dec 30 j 00:51	0° ♁			-12371 Dec 25 j 11:29	0° ♁	
evening max el	-12371 Jan 13 j 09:52	19° ♁ 44'38	22°51'36	evening max el	-12371 Dec 26 j 08:27	0° ♁ 50'45	21°21'15
retrograde	-12371 Jan 26 j 10:03	26° ♁ 00'46		retrograde	-12370 Jan 07 j 00:37	6° ♁ 20'34	
evening set	-12371 Jan 29 j 21:27	25° ♁ 34'21		evening set	-12370 Jan 09 j 21:49	6° ♁ 01'37	
min. Earth dist.	-12371 Feb 06 j 21:27	21° ♁ 56'21	0.55663 AU	inferior conj	-12370 Jan 18 j 20:56	2° ♁ 01'45	2°22'09
inferior conj	-12371 Feb 07 j 23:15	21° ♁ 18'44	0°41'13	minimum elong	-12370 Jan 19 j 02:16	1° ♁ 54'06	2°20'17

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

min. Earth dist.	-12370 Jan 19 j 11:36	1° \mathbb{M} 40'44	0.55503 AU	inferior conj	-12370 Dec 29 j 22:50	12° \mathbb{A} 51'57	3°37'24
	-12370 Jan 22 j 12:45	30° \mathbb{R} \mathbb{A}		minimum elong	-12370 Dec 30 j 03:58	12° \mathbb{A} 44'04	3°36'21
morning rise	-12370 Jan 28 j 06:00	27° \mathbb{A} 49'42		min. Earth dist.	-12369 Jan 01 j 00:40	11° \mathbb{A} 35'34	0.56191 AU
desc. node	-12370 Jan 28 j 12:37	27° \mathbb{A} 46'23		morning rise	-12369 Jan 07 j 20:42	8° \mathbb{A} 19'38	
direct	-12370 Jan 31 j 03:23	27° \mathbb{A} 31'07		direct	-12369 Jan 11 j 22:40	7° \mathbb{A} 42'44	
	-12370 Feb 08 j 03:31	0° \mathbb{M}		desc. node	-12369 Jan 15 j 09:17	8° \mathbb{A} 09'48	
morning max el	-12370 Feb 12 j 20:02	3° \mathbb{M} 41'25	22°06'49	morning max el	-12369 Jan 25 j 13:36	14° \mathbb{A} 29'22	23°42'50
	-12370 Mar 02 j 08:54	0° \mathbb{A}			-12369 Feb 06 j 13:46	0° \mathbb{M}	
morning set	-12370 Mar 06 j 01:06	7° \mathbb{A} 26'43		morning set	-12369 Feb 18 j 13:12	22° \mathbb{M} 29'20	
asc. node	-12370 Mar 09 j 05:18	14° \mathbb{A} 06'29			-12369 Feb 22 j 02:00	0° \mathbb{A}	
				asc. node	-12369 Feb 24 j 02:29	4° \mathbb{A} 20'48	
superior conj	-12370 Mar 13 j 08:38	22° \mathbb{A} 50'54	0°37'51				
minimum elong	-12370 Mar 13 j 07:01	22° \mathbb{A} 42'28	0°36'48	superior conj	-12369 Feb 25 j 14:59	7° \mathbb{A} 36'51	0°14'17
max. Earth dist.	-12370 Mar 16 j 12:29	29° \mathbb{A} 24'20	1.34554 AU	minimum elong	-12369 Feb 25 j 14:24	7° \mathbb{A} 33'44	0°13'29
	-12370 Mar 16 j 19:28	0° \mathbb{B}		behind sun begin	-12369 Feb 25 j 11:42	7° \mathbb{A} 19'13	
evening rise	-12370 Mar 21 j 11:29	9° \mathbb{B} 17'39		behind sun end	-12369 Feb 25 j 17:06	7° \mathbb{A} 48'14	
	-12370 Apr 02 j 00:17	0° \mathbb{A}		max. Earth dist.	-12369 Feb 27 j 15:48	11° \mathbb{A} 57'08	1.33636 AU
	-12370 Apr 23 j 19:00	0° \mathbb{H}		evening rise	-12369 Mar 05 j 05:55	23° \mathbb{A} 28'58	
evening max el	-12370 Apr 25 j 05:43	1° \mathbb{H} 27'51	27°08'19		-12369 Mar 08 j 13:59	0° \mathbb{B}	
desc. node	-12370 Apr 26 j 12:19	2° \mathbb{H} 40'37			-12369 Mar 26 j 16:42	0° \mathbb{A}	
retrograde	-12370 May 08 j 14:37	9° \mathbb{H} 00'38		evening max el	-12369 Apr 07 j 15:52	14° \mathbb{A} 24'29	27°27'13
evening set	-12370 May 15 j 10:08	6° \mathbb{H} 15'36		desc. node	-12369 Apr 13 j 09:33	19° \mathbb{A} 08'27	
min. Earth dist.	-12370 May 19 j 05:02	2° \mathbb{H} 30'32	0.64775 AU	retrograde	-12369 Apr 21 j 10:13	21° \mathbb{A} 59'08	
inferior conj	-12370 May 21 j 07:19	0° \mathbb{H} 05'51	-3°16'49	evening set	-12369 Apr 28 j 08:34	19° \mathbb{A} 26'50	
minimum elong	-12370 May 21 j 08:45	0° \mathbb{H} 01'44	3°17'03	min. Earth dist.	-12369 May 02 j 00:43	16° \mathbb{A} 12'23	0.63220 AU
	-12370 May 21 j 09:21	30° \mathbb{R} \mathbb{A}		inferior conj	-12369 May 04 j 17:23	13° \mathbb{A} 24'50	-3°24'30
morning rise	-12370 May 27 j 07:49	24° \mathbb{A} 32'31		minimum elong	-12369 May 04 j 17:33	13° \mathbb{A} 24'23	3°25'02
direct	-12370 May 30 j 07:34	23° \mathbb{A} 43'55		morning rise	-12369 May 11 j 03:33	8° \mathbb{A} 09'07	
asc. node	-12370 Jun 05 j 05:32	26° \mathbb{A} 40'30		direct	-12369 May 13 j 22:07	7° \mathbb{A} 31'06	
morning max el	-12370 Jun 05 j 20:35	27° \mathbb{A} 17'05	18°23'52	morning max el	-12369 May 20 j 10:10	10° \mathbb{A} 53'57	18°04'59
	-12370 Jun 08 j 06:06	0° \mathbb{H}		asc. node	-12369 May 23 j 02:19	13° \mathbb{A} 56'40	
morning set	-12370 Jun 25 j 01:26	26° \mathbb{H} 19'28			-12369 Jun 02 j 07:53	0° \mathbb{H}	
	-12370 Jun 27 j 06:38	0° \mathbb{Y}		morning set	-12369 Jun 06 j 17:58	7° \mathbb{H} 40'27	
superior conj	-12370 Jul 09 j 10:15	19° \mathbb{Y} 45'59	1°15'11	superior conj	-12369 Jun 19 j 05:57	28° \mathbb{H} 57'51	1°40'10
minimum elong	-12370 Jul 09 j 16:51	20° \mathbb{Y} 12'24	1°14'49	minimum elong	-12369 Jun 19 j 10:10	29° \mathbb{H} 15'16	1°39'55
max. Earth dist.	-12370 Jul 12 j 10:09	24° \mathbb{Y} 32'32	1.44372 AU		-12369 Jun 19 j 20:59	0° \mathbb{Y}	
	-12370 Jul 15 j 20:50	0° \mathbb{B}		max. Earth dist.	-12369 Jun 25 j 00:04	8° \mathbb{Y} 21'59	1.43510 AU
desc. node	-12370 Jul 23 j 08:50	11° \mathbb{B} 47'37		evening rise	-12369 Jul 05 j 03:54	24° \mathbb{Y} 26'28	
evening rise	-12370 Jul 26 j 01:25	16° \mathbb{B} 00'28			-12369 Jul 08 j 18:10	0° \mathbb{B}	
	-12370 Aug 04 j 01:09	0° \mathbb{H}		desc. node	-12369 Jul 10 j 06:17	2° \mathbb{B} 18'37	
greatest brilliancy	-12370 Aug 05 j 18:01	2° \mathbb{H} 36'56	-0.7m		-12369 Jul 29 j 10:36	0° \mathbb{H}	
evening max el	-12370 Aug 19 j 05:40	21° \mathbb{H} 01'49	19°33'39	evening max el	-12369 Aug 02 j 08:31	4° \mathbb{H} 29'00	20°34'20
retrograde	-12370 Aug 26 j 11:23	25° \mathbb{H} 11'03		retrograde	-12369 Aug 10 j 08:06	9° \mathbb{H} 08'51	
evening set	-12370 Aug 29 j 20:29	24° \mathbb{H} 04'51		evening set	-12369 Aug 14 j 04:13	7° \mathbb{H} 44'24	
asc. node	-12370 Sep 01 j 06:33	22° \mathbb{H} 00'02		asc. node	-12369 Aug 19 j 03:29	2° \mathbb{H} 14'27	
inferior conj	-12370 Sep 04 j 11:23	18° \mathbb{H} 09'20	0°59'41	inferior conj	-12369 Aug 19 j 13:46	1° \mathbb{H} 39'50	0°08'03
minimum elong	-12370 Sep 04 j 10:01	18° \mathbb{H} 13'45	0°59'53	minimum elong	-12369 Aug 19 j 13:35	1° \mathbb{H} 40'29	0°08'38
min. Earth dist.	-12370 Sep 05 j 15:40	16° \mathbb{H} 38'12	0.66033 AU	transit middle	-12369 Aug 19 j 13:35	1° \mathbb{H} 40'29	0°08'38
morning rise	-12370 Sep 09 j 23:13	11° \mathbb{H} 51'07		transit begin	-12369 Aug 19 j 11:15	1° \mathbb{H} 48'20	
direct	-12370 Sep 15 j 22:40	9° \mathbb{H} 18'59		transit end	-12369 Aug 19 j 15:54	1° \mathbb{H} 32'38	
morning max el	-12370 Sep 28 j 05:27	16° \mathbb{H} 31'47	25°47'26	min. Earth dist.	-12369 Aug 20 j 06:56	0° \mathbb{H} 41'57	0.66728 AU
	-12370 Oct 09 j 12:31	0° \mathbb{B}			-12369 Aug 20 j 19:30	30° \mathbb{R} \mathbb{B}	
desc. node	-12370 Oct 19 j 07:25	14° \mathbb{B} 07'24		morning rise	-12369 Aug 24 j 22:46	25° \mathbb{B} 18'42	
	-12370 Oct 29 j 01:44	0° \mathbb{A}		direct	-12369 Aug 30 j 07:55	23° \mathbb{B} 01'57	
morning set	-12370 Nov 03 j 06:23	9° \mathbb{A} 12'15		morning max el	-12369 Sep 10 j 15:18	29° \mathbb{B} 47'14	24°30'38
max. Earth dist.	-12370 Nov 07 j 06:04	16° \mathbb{A} 38'52	1.36310 AU		-12369 Sep 10 j 20:20	0° \mathbb{H}	
					-12369 Oct 03 j 09:58	0° \mathbb{B}	
superior conj	-12370 Nov 12 j 16:45	27° \mathbb{A} 19'26	-1°36'31	desc. node	-12369 Oct 06 j 04:17	4° \mathbb{B} 17'29	
minimum elong	-12370 Nov 12 j 17:19	27° \mathbb{A} 22'16	1°36'06	morning set	-12369 Oct 16 j 06:59	21° \mathbb{B} 00'09	
	-12370 Nov 14 j 00:35	0° \mathbb{M}		max. Earth dist.	-12369 Oct 20 j 06:54	28° \mathbb{B} 04'45	1.38145 AU
evening rise	-12370 Nov 20 j 13:22	13° \mathbb{M} 21'00			-12369 Oct 21 j 08:18	0° \mathbb{A}	
asc. node	-12370 Nov 28 j 05:00	28° \mathbb{M} 03'53					
	-12370 Nov 29 j 07:59	0° \mathbb{A}		superior conj	-12369 Oct 27 j 01:52	10° \mathbb{A} 45'06	-1°36'11
evening max el	-12370 Dec 08 j 16:03	12° \mathbb{A} 27'07	20°04'09	minimum elong	-12369 Oct 27 j 00:54	10° \mathbb{A} 40'28	1°35'35
retrograde	-12370 Dec 18 j 18:31	17° \mathbb{A} 11'58		evening rise	-12369 Nov 04 j 14:38	27° \mathbb{A} 32'07	
evening set	-12370 Dec 21 j 09:24	16° \mathbb{A} 54'14			-12369 Nov 05 j 20:39	0° \mathbb{M}	




























































































































Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

asc. node	-12369 Nov 15 j 02:22	16° ♊ 38'26		evening rise	-12368 Oct 18 j 07:58	11° ♊ 15'29	
evening max el	-12369 Nov 21 j 09:50	24° ♊ 36'52	19°05'31		-12368 Oct 28 j 19:44	0° ♊	
retrograde	-12369 Nov 30 j 02:28	28° ♊ 46'27		asc. node	-12368 Oct 31 j 23:41	4° ♊ 26'08	
evening set	-12369 Dec 02 j 14:29	28° ♊ 27'16		evening max el	-12368 Nov 03 j 12:46	7° ♊ 16'54	18°27'08
inferior conj	-12369 Dec 10 j 15:38	24° ♊ 09'53	4°13'22	retrograde	-12368 Nov 11 j 03:56	11° ♊ 03'12	
minimum elong	-12369 Dec 10 j 17:20	24° ♊ 06'55	4°13'22	evening set	-12368 Nov 13 j 15:02	10° ♊ 40'51	
min. Earth dist.	-12369 Dec 13 j 14:31	22° ♊ 06'46	0.57548 AU	inferior conj	-12368 Nov 21 j 03:32	6° ♊ 03'08	4°13'40
morning rise	-12369 Dec 18 j 18:11	19° ♊ 13'22		minimum elong	-12368 Nov 21 j 01:48	6° ♊ 06'38	4°13'52
direct	-12369 Dec 24 j 04:13	18° ♊ 04'38		min. Earth dist.	-12368 Nov 24 j 08:16	3° ♊ 29'25	0.59295 AU
desc. node	-12368 Jan 02 j 05:56	21° ♊ 11'39		morning rise	-12368 Nov 28 j 10:49	0° ♊ 44'42	
morning max el	-12368 Jan 07 j 04:19	25° ♊ 12'11	25°16'39		-12368 Nov 30 j 00:06	30° ♊	
	-12368 Jan 11 j 15:39	0° ♊		direct	-12368 Dec 04 j 21:35	28° ♊ 58'10	
	-12368 Jan 30 j 08:49	0° ♊			-12368 Dec 09 j 21:54	0° ♊	
morning set	-12368 Feb 03 j 01:41	7° ♊ 34'33		morning max el	-12368 Dec 18 j 22:30	6° ♊ 17'02	26°33'11
				desc. node	-12368 Dec 19 j 02:35	6° ♊ 26'49	
superior conj	-12368 Feb 10 j 00:54	22° ♊ 34'57	-0°08'59		-12367 Jan 05 j 14:53	0° ♊	
minimum elong	-12368 Feb 10 j 01:18	22° ♊ 37'05	0°09'30	morning set	-12367 Jan 17 j 12:45	22° ♊ 35'35	
behind sun begin	-12368 Feb 09 j 21:14	22° ♊ 15'02			-12367 Jan 21 j 00:18	0° ♊	
behind sun end	-12368 Feb 10 j 05:21	22° ♊ 59'08					
asc. node	-12368 Feb 10 j 23:44	24° ♊ 38'50		superior conj	-12367 Jan 24 j 12:34	7° ♊ 38'39	-0°31'08
max. Earth dist.	-12368 Feb 11 j 01:44	24° ♊ 49'39	1.33052 AU	minimum elong	-12367 Jan 24 j 13:47	7° ♊ 45'15	0°31'21
	-12368 Feb 13 j 11:26	0° ♊		max. Earth dist.	-12367 Jan 24 j 14:50	7° ♊ 50'58	1.32794 AU
evening rise	-12368 Feb 17 j 07:55	8° ♊ 03'46		asc. node	-12367 Jan 27 j 21:02	14° ♊ 56'24	
	-12368 Feb 29 j 01:35	0° ♊		evening rise	-12367 Jan 31 j 14:56	22° ♊ 53'28	
evening max el	-12368 Mar 19 j 22:44	26° ♊ 50'48	27°14'13		-12367 Feb 04 j 03:05	0° ♊	
	-12368 Mar 23 j 13:18	0° ♊			-12367 Feb 22 j 09:11	0° ♊	
desc. node	-12368 Mar 30 j 06:44	3° ♊ 46'19		evening max el	-12367 Mar 02 j 00:32	8° ♊ 40'28	26°28'52
retrograde	-12368 Apr 02 j 23:04	4° ♊ 22'18		retrograde	-12367 Mar 16 j 03:40	16° ♊ 03'28	
evening set	-12368 Apr 09 j 15:38	2° ♊ 15'12		desc. node	-12367 Mar 17 j 03:50	16° ♊ 00'52	
	-12368 Apr 12 j 16:35	30° ♊		evening set	-12367 Mar 22 j 04:34	14° ♊ 30'08	
min. Earth dist.	-12368 Apr 13 j 11:18	29° ♊ 19'48	0.61356 AU	min. Earth dist.	-12367 Mar 26 j 13:57	11° ♊ 39'07	0.59366 AU
inferior conj	-12368 Apr 16 j 15:28	26° ♊ 25'39	-3°15'33	inferior conj	-12367 Mar 29 j 21:57	9° ♊ 00'01	-2°44'21
minimum elong	-12368 Apr 16 j 13:55	26° ♊ 29'11	3°16'06	minimum elong	-12367 Mar 29 j 18:51	9° ♊ 06'15	2°44'32
morning rise	-12368 Apr 23 j 14:08	21° ♊ 29'21		morning rise	-12367 Apr 06 j 12:01	4° ♊ 23'31	
direct	-12368 Apr 26 j 04:06	21° ♊ 00'35		direct	-12367 Apr 08 j 21:24	4° ♊ 02'38	
morning max el	-12368 May 02 j 23:48	24° ♊ 24'58	18°04'37	morning max el	-12367 Apr 16 j 10:37	7° ♊ 41'52	18°23'10
	-12368 May 07 j 13:35	0° ♊		asc. node	-12367 Apr 25 j 20:00	20° ♊ 53'08	
asc. node	-12368 May 08 j 23:08	2° ♊ 04'58			-12367 Apr 30 j 19:56	0° ♊	
morning set	-12368 May 19 j 07:32	20° ♊ 02'52		morning set	-12367 May 02 j 13:15	3° ♊ 15'05	
	-12368 May 24 j 19:26	0° ♊					
superior conj	-12368 May 30 j 04:32	9° ♊ 29'48	1°48'58	superior conj	-12367 May 12 j 04:00	21° ♊ 16'38	1°44'47
minimum elong	-12368 May 30 j 04:59	9° ♊ 31'44	1°48'41	minimum elong	-12367 May 12 j 01:56	21° ♊ 07'10	1°44'13
max. Earth dist.	-12368 Jun 06 j 08:39	21° ♊ 39'24	1.42091 AU		-12367 May 17 j 00:52	0° ♊	
	-12368 Jun 11 j 11:28	0° ♊		max. Earth dist.	-12367 May 19 j 11:14	4° ♊ 13'46	1.40323 AU
evening rise	-12368 Jun 13 j 07:37	2° ♊ 56'18		evening rise	-12367 May 24 j 08:29	12° ♊ 28'25	
desc. node	-12368 Jun 26 j 03:48	22° ♊ 39'05			-12367 Jun 04 j 09:37	0° ♊	
	-12368 Jul 01 j 04:52	0° ♊		desc. node	-12367 Jun 13 j 01:21	12° ♊ 43'25	
evening max el	-12368 Jul 15 j 04:21	17° ♊ 51'56	21°47'16		-12367 Jun 26 j 14:25	0° ♊	
retrograde	-12368 Jul 24 j 03:54	23° ♊ 10'41		evening max el	-12367 Jun 27 j 18:01	1° ♊ 11'38	23°08'09
evening set	-12368 Jul 28 j 12:50	21° ♊ 25'44		retrograde	-12367 Jul 07 j 21:17	7° ♊ 12'56	
inferior conj	-12368 Aug 02 j 19:04	15° ♊ 14'54	-0°41'11	evening set	-12367 Jul 12 j 20:23	5° ♊ 06'48	
minimum elong	-12368 Aug 02 j 19:54	15° ♊ 12'01	0°40'20		-12367 Jul 17 j 05:46	30° ♊	
min. Earth dist.	-12368 Aug 03 j 01:40	14° ♊ 52'07	0.67130 AU	inferior conj	-12367 Jul 18 j 01:26	28° ♊ 52'18	-1°26'36
asc. node	-12368 Aug 05 j 00:21	12° ♊ 15'29		minimum elong	-12367 Jul 18 j 03:04	28° ♊ 46'38	1°25'42
morning rise	-12368 Aug 08 j 02:53	8° ♊ 54'38		min. Earth dist.	-12367 Jul 17 j 21:23	29° ♊ 06'15	0.67237 AU
direct	-12368 Aug 12 j 22:05	6° ♊ 55'39		asc. node	-12367 Jul 22 j 21:10	23° ♊ 03'01	
morning max el	-12368 Aug 23 j 02:22	13° ♊ 03'24	23°07'03	morning rise	-12367 Jul 23 j 09:40	22° ♊ 36'39	
	-12368 Sep 05 j 14:52	0° ♊		direct	-12367 Jul 27 j 16:14	20° ♊ 55'38	
desc. node	-12368 Sep 22 j 01:15	24° ♊ 41'59		morning max el	-12367 Aug 05 j 16:59	26° ♊ 20'48	21°44'51
	-12368 Sep 25 j 07:55	0° ♊			-12367 Aug 08 j 23:22	0° ♊	
morning set	-12368 Sep 26 j 06:51	1° ♊ 34'14			-12367 Aug 30 j 04:44	0° ♊	
max. Earth dist.	-12368 Oct 01 j 06:06	9° ♊ 56'09	1.40124 AU	morning set	-12367 Sep 06 j 04:47	10° ♊ 54'01	
				desc. node	-12367 Sep 08 j 22:19	15° ♊ 15'38	
superior conj	-12368 Oct 08 j 19:33	23° ♊ 20'49	-1°26'49	max. Earth dist.	-12367 Sep 13 j 09:10	22° ♊ 31'06	1.41985 AU
minimum elong	-12368 Oct 08 j 16:46	23° ♊ 08'04	1°25'55		-12367 Sep 17 j 20:16	0° ♊	
	-12368 Oct 12 j 09:42	0° ♊		superior conj	-12367 Sep 20 j 16:12	4° ♊ 51'40	-1°06'14

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-12367 Sep 20 j 12:09	4° ☿ 34'08	1°05'03			-12366 Sep 28 j 09:26	0° Ω	
evening rise	-12367 Oct 01 j 13:52	24° ☿ 22'21		evening max el	-12366 Oct 01 j 11:22	3° Ω 38'22	18°09'46	
	-12367 Oct 04 j 16:00	0° Ω		asc. node	-12366 Oct 05 j 18:07	6° Ω 42'58		
evening max el	-12367 Oct 17 j 22:17	20° Ω 19'51	18°08'51	retrograde	-12366 Oct 08 j 02:45	7° Ω 11'06		
asc. node	-12367 Oct 18 j 20:56	21° Ω 12'55		evening set	-12366 Oct 10 j 17:48	6° Ω 36'41		
retrograde	-12367 Oct 24 j 21:15	23° Ω 54'16		inferior conj	-12366 Oct 17 j 06:46	1° Ω 17'49	3°09'13	
evening set	-12367 Oct 27 j 09:18	23° Ω 27'00		minimum elong	-12366 Oct 17 j 02:57	1° Ω 27'44	3°08'54	
inferior conj	-12367 Nov 03 j 09:35	18° Ω 27'57	3°49'00		-12366 Oct 18 j 12:31	30° ☿		
minimum elong	-12367 Nov 03 j 06:02	18° Ω 36'07	3°48'54	min. Earth dist.	-12366 Oct 19 j 18:59	28° ☿ 41'35	0.62862 AU	
min. Earth dist.	-12367 Nov 06 j 08:58	15° Ω 43'58	0.61141 AU	morning rise	-12366 Oct 23 j 11:10	25° ☿ 24'57		
morning rise	-12367 Nov 10 j 01:26	12° Ω 50'59		direct	-12366 Oct 30 j 12:09	22° ☿ 47'32		
direct	-12367 Nov 17 j 00:57	10° Ω 32'35			-12366 Nov 12 j 21:22	0° Ω		
morning max el	-12367 Nov 30 j 22:50	17° Ω 58'25	27°20'41	morning max el	-12366 Nov 13 j 04:49	0° Ω 17'55	27°33'49	
desc. node	-12367 Dec 05 j 23:11	23° Ω 21'45		desc. node	-12366 Nov 22 j 19:46	11° Ω 28'28		
	-12367 Dec 11 j 03:48	0° ♄			-12366 Dec 05 j 02:16	0° ♄		
	-12367 Dec 29 j 03:48	0° $\underline{\Omega}$		morning set	-12366 Dec 16 j 22:32	21° ♄ 54'56		
morning set	-12366 Jan 01 j 20:28	7° $\underline{\Omega}$ 25'13			-12366 Dec 20 j 20:38	0° $\underline{\Omega}$		
max. Earth dist.	-12366 Jan 08 j 03:29	20° $\underline{\Omega}$ 48'24	1.32868 AU	max. Earth dist.	-12366 Dec 22 j 12:06	3° $\underline{\Omega}$ 29'07	1.33306 AU	
superior conj	-12366 Jan 09 j 00:18	22° $\underline{\Omega}$ 41'43	-0°51'28	superior conj	-12366 Dec 24 j 10:21	7° $\underline{\Omega}$ 37'11	-1°09'15	
minimum elong	-12366 Jan 09 j 02:05	22° $\underline{\Omega}$ 51'26	0°51'27	minimum elong	-12366 Dec 24 j 12:22	7° $\underline{\Omega}$ 48'07	1°09'04	
	-12366 Jan 12 j 08:48	0° ♄		evening rise	-12366 Dec 31 j 12:07	22° $\underline{\Omega}$ 48'32		
asc. node	-12366 Jan 14 j 18:22	5° ♄ 09'21		asc. node	-12365 Jan 01 j 15:45	25° $\underline{\Omega}$ 12'32		
evening rise	-12366 Jan 16 j 00:56	7° ♄ 50'44			-12365 Jan 04 j 00:21	0° ♄		
	-12366 Jan 27 j 17:55	0° ☿			-12365 Jan 23 j 17:39	0° ☿		
evening max el	-12366 Feb 11 j 21:06	19° ☿ 56'22	25°16'05	evening max el	-12365 Jan 24 j 14:29	0° ☿ 50'27	23°45'59	
retrograde	-12366 Feb 25 j 21:38	27° ☿ 02'33		retrograde	-12365 Feb 07 j 02:49	7° ☿ 28'11		
evening set	-12366 Mar 02 j 23:00	26° ☿ 02'51		evening set	-12365 Feb 11 j 02:55	6° ☿ 52'54		
desc. node	-12366 Mar 04 j 00:49	25° ☿ 35'34		min. Earth dist.	-12365 Feb 18 j 03:35	3° ☿ 32'48	0.56142 AU	
min. Earth dist.	-12366 Mar 08 j 10:47	23° ☿ 02'53	0.57524 AU	desc. node	-12365 Feb 18 j 21:41	3° ☿ 05'25		
inferior conj	-12366 Mar 11 j 09:46	21° ☿ 00'37	-1°45'20	inferior conj	-12365 Feb 20 j 01:55	2° ☿ 22'16	-0°17'51	
minimum elong	-12366 Mar 11 j 06:29	21° ☿ 06'17	1°45'13	minimum elong	-12365 Feb 20 j 01:11	2° ☿ 23'24	0°18'17	
morning rise	-12366 Mar 19 j 17:13	16° ☿ 42'15			-12365 Feb 24 j 05:41	30° ♄		
direct	-12366 Mar 21 j 22:27	16° ☿ 27'14		morning rise	-12365 Mar 01 j 01:53	28° ♄ 16'41		
morning max el	-12366 Mar 30 j 15:37	20° ☿ 35'48	19°01'11	direct	-12365 Mar 03 j 05:45	28° ♄ 04'37		
	-12366 Apr 06 j 22:03	0° ☿			-12365 Mar 09 j 16:53	0° ☿		
asc. node	-12366 Apr 12 j 16:54	10° ☿ 12'12		morning max el	-12365 Mar 13 j 11:44	2° ☿ 56'04	19°59'04	
morning set	-12366 Apr 16 j 06:53	17° ☿ 07'24		asc. node	-12365 Mar 30 j 13:54	29° ☿ 54'00		
	-12366 Apr 22 j 20:19	0° \approx			-12365 Mar 30 j 15:06	0° ☿		
				morning set	-12365 Mar 31 j 08:54	1° ☿ 29'25		
superior conj	-12366 Apr 24 j 23:10	4° \approx 05'07	1°31'41					
minimum elong	-12366 Apr 24 j 20:08	3° \approx 50'39	1°30'47	superior conj	-12365 Apr 08 j 08:50	17° ☿ 40'25	1°13'01	
max. Earth dist.	-12366 May 01 j 11:20	16° \approx 11'58	1.38456 AU	minimum elong	-12365 Apr 08 j 05:57	17° ☿ 26'01	1°11'54	
evening rise	-12366 May 05 j 13:01	23° \approx 24'25		max. Earth dist.	-12365 Apr 13 j 14:46	27° ☿ 54'36	1.36709 AU	
	-12366 May 09 j 09:54	0° ☿			-12365 Apr 14 j 17:18	0° \approx		
	-12366 May 29 j 03:46	0° ☿		evening rise	-12365 Apr 17 j 17:43	5° \approx 34'54		
desc. node	-12366 May 30 j 22:52	2° ☿ 24'42			-12365 May 02 j 07:07	0° ☿		
evening max el	-12366 Jun 10 j 04:20	14° ☿ 32'06	24°30'13	desc. node	-12365 May 17 j 20:21	21° ☿ 33'00		
retrograde	-12366 Jun 21 j 11:07	21° ☿ 12'19		evening max el	-12365 May 23 j 14:04	27° ☿ 53'52	25°45'12	
evening set	-12366 Jun 27 j 00:58	18° ☿ 46'36			-12365 May 25 j 19:44	0° ☿		
min. Earth dist.	-12366 Jul 01 j 15:41	13° ☿ 22'51	0.67026 AU	retrograde	-12365 Jun 04 j 20:39	5° ☿ 03'42		
inferior conj	-12366 Jul 02 j 07:06	12° ☿ 30'45	-2°06'56	evening set	-12365 Jun 11 j 00:30	2° ☿ 23'09		
minimum elong	-12366 Jul 02 j 09:14	12° ☿ 23'33	2°06'10		-12365 Jun 13 j 08:10	30° ☿		
morning rise	-12366 Jul 07 j 17:26	6° ☿ 23'16		min. Earth dist.	-12365 Jun 15 j 06:09	27° ☿ 38'35	0.66460 AU	
asc. node	-12366 Jul 09 j 17:55	5° ☿ 17'35		inferior conj	-12365 Jun 16 j 10:11	26° ☿ 07'57	-2°40'50	
direct	-12366 Jul 11 j 13:06	4° ☿ 59'13		minimum elong	-12365 Jun 16 j 12:26	26° ☿ 00'41	2°40'23	
morning max el	-12366 Jul 19 j 13:25	9° ☿ 43'12	20°30'40	morning rise	-12365 Jun 22 j 00:25	20° ☿ 11'50		
	-12366 Aug 03 j 15:58	0° ☿		direct	-12365 Jun 25 j 11:01	19° ☿ 03'07		
morning set	-12366 Aug 16 j 09:43	19° ☿ 27'37		asc. node	-12365 Jun 26 j 14:39	19° ☿ 10'29		
	-12366 Aug 23 j 02:43	0° ♄		morning max el	-12365 Jul 02 j 16:24	23° ☿ 12'25	19°29'05	
desc. node	-12366 Aug 26 j 19:30	5° ♄ 54'51			-12365 Jul 08 j 05:24	0° ☿		
max. Earth dist.	-12366 Aug 26 j 18:46	5° ♄ 51'55	1.43464 AU	morning set	-12365 Jul 26 j 16:28	28° ☿ 07'59		
					-12365 Jul 27 j 21:00	0° ☿		
superior conj	-12366 Sep 01 j 10:33	15° ♄ 05'06	-0°33'17	max. Earth dist.	-12365 Aug 09 j 09:40	19° ☿ 45'12	1.44357 AU	
minimum elong	-12366 Sep 01 j 07:27	14° ♄ 52'21	0°32'12					
	-12366 Sep 10 j 06:51	0° ☿		superior conj	-12365 Aug 12 j 02:07	24° ☿ 01'40	0°09'35	
evening rise	-12366 Sep 14 j 03:51	6° ☿ 42'27		minimum elong	-12365 Aug 12 j 03:19	24° ☿ 06'25	0°10'02	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

behind sun begin	-12365 Aug 11 j 18:25	23° 	30'55		desc. node	-12364 Jul 30 j 14:10	17° 	16'09	
behind sun end	-12365 Aug 12 j 12:12	24° 	41'57		evening rise	-12364 Aug 06 j 10:19	28° 	07'21	
desc. node	-12365 Aug 13 j 16:47	26° 	36'14			-12364 Aug 07 j 14:40	0° 		
	-12365 Aug 15 j 19:32	0° 				-12364 Aug 27 j 22:38	0° 		
evening rise	-12365 Aug 26 j 20:25	18° 	02'15		evening max el	-12364 Aug 28 j 12:20	0° 	36'05	19°05'21
	-12365 Sep 03 j 02:03	0° 			retrograde	-12364 Sep 04 j 11:02	4° 	32'32	
evening max el	-12365 Sep 15 j 01:02	17° 	05'57	18°28'56	evening set	-12364 Sep 07 j 14:42	3° 	35'25	
retrograde	-12365 Sep 21 j 16:31	20° 	46'07		asc. node	-12364 Sep 08 j 12:16	2° 	58'44	
asc. node	-12365 Sep 22 j 15:13	20° 	41'12			-12364 Sep 11 j 13:18	30° 		
evening set	-12365 Sep 24 j 12:44	20° 	01'57		inferior conj	-12364 Sep 13 j 09:30	27° 	46'09	1°29'49
inferior conj	-12365 Sep 30 j 15:47	14° 	26'12	2°21'21	minimum elong	-12364 Sep 13 j 07:26	27° 	52'33	1°29'49
minimum elong	-12365 Sep 30 j 12:38	14° 	35'16	2°21'04	min. Earth dist.	-12364 Sep 14 j 20:30	25° 	57'12	0.65494 AU
min. Earth dist.	-12365 Oct 02 j 15:11	12° 	10'00	0.64326 AU	morning rise	-12364 Sep 18 j 23:44	21° 	31'05	
morning rise	-12365 Oct 06 j 11:52	8° 	20'23		direct	-12364 Sep 25 j 06:45	18° 	52'34	
direct	-12365 Oct 13 j 06:16	5° 	37'08		morning max el	-12364 Oct 08 j 00:51	26° 	16'14	26°25'06
morning max el	-12365 Oct 26 j 14:22	13° 	08'21	27°13'35		-12364 Oct 11 j 13:06	0° 		
	-12365 Nov 09 j 09:00	0° 			desc. node	-12364 Oct 26 j 13:08	20° 	00'15	
desc. node	-12365 Nov 09 j 16:25	0° 	26'32			-12364 Nov 01 j 21:55	0° 		
	-12365 Nov 27 j 13:45	0° 			morning set	-12364 Nov 12 j 21:41	19° 	15'59	
morning set	-12365 Nov 30 j 16:11	5° 	55'55		max. Earth dist.	-12364 Nov 17 j 03:42	27° 	06'06	1.35401 AU
max. Earth dist.	-12365 Dec 05 j 13:08	15° 	43'20	1.34144 AU		-12364 Nov 18 j 10:47	0° 		
superior conj	-12365 Dec 08 j 16:52	22° 	18'51	-1°23'37	superior conj	-12364 Nov 21 j 17:30	6° 	38'19	-1°33'28
minimum elong	-12365 Dec 08 j 18:44	22° 	28'42	1°23'19	minimum elong	-12364 Nov 21 j 18:42	6° 	44'28	1°33'06
	-12365 Dec 12 j 07:39	0° 			evening rise	-12364 Nov 29 j 07:32	22° 	22'04	
evening rise	-12365 Dec 15 j 22:55	7° 	41'11			-12364 Dec 03 j 02:33	0° 		
asc. node	-12365 Dec 19 j 13:08	15° 	00'34		asc. node	-12364 Dec 05 j 10:30	4° 	26'29	
	-12365 Dec 27 j 23:28	0° 			evening max el	-12364 Dec 18 j 11:19	23° 	02'08	20°46'21
evening max el	-12364 Jan 06 j 09:26	11° 	45'10	22°12'00	retrograde	-12364 Dec 29 j 11:55	28° 	12'39	
retrograde	-12364 Jan 18 j 21:03	17° 	42'28		evening set	-12363 Jan 01 j 05:29	27° 	54'51	
evening set	-12364 Jan 22 j 01:28	17° 	20'04		inferior conj	-12363 Jan 10 j 01:00	23° 	55'39	2°58'31
inferior conj	-12364 Jan 31 j 03:13	13° 	13'05	1°25'34	minimum elong	-12363 Jan 10 j 06:48	23° 	47'09	2°56'51
minimum elong	-12364 Jan 31 j 06:46	13° 	08'00	1°23'57	min. Earth dist.	-12363 Jan 11 j 07:51	23° 	10'28	0.55696 AU
min. Earth dist.	-12364 Jan 30 j 18:12	13° 	25'58	0.55490 AU	morning rise	-12363 Jan 19 j 06:48	19° 	35'50	
desc. node	-12364 Feb 05 j 18:26	10° 	17'43		direct	-12363 Jan 22 j 14:45	19° 	11'23	
morning rise	-12364 Feb 09 j 12:41	9° 	08'17		desc. node	-12363 Jan 22 j 15:09	19° 	11'23	
direct	-12364 Feb 11 j 23:29	8° 	54'31		morning max el	-12363 Feb 04 j 19:11	25° 	39'30	22°47'09
morning max el	-12364 Feb 23 j 20:51	14° 	36'30	21°15'46		-12363 Feb 08 j 19:35	0° 		
	-12364 Mar 06 j 05:39	0° 				-12363 Feb 26 j 14:05	0° 		
morning set	-12364 Mar 14 j 16:32	16° 	12'47		morning set	-12363 Feb 27 j 03:33	1° 	09'59	
asc. node	-12364 Mar 16 j 10:59	19° 	52'26		asc. node	-12363 Mar 03 j 08:08	10° 	02'10	
	-12364 Mar 21 j 07:31	0° 							
superior conj	-12364 Mar 22 j 04:55	1° 	50'39	0°51'10	superior conj	-12363 Mar 06 j 08:14	16° 	25'53	0°27'52
minimum elong	-12364 Mar 22 j 02:45	1° 	39'32	0°50'03	minimum elong	-12363 Mar 06 j 07:03	16° 	19'39	0°26'55
max. Earth dist.	-12364 Mar 26 j 02:25	9° 	45'50	1.35239 AU	max. Earth dist.	-12363 Mar 09 j 00:03	22° 	01'10	1.34113 AU
evening rise	-12364 Mar 30 j 16:52	18° 	43'49			-12363 Mar 12 j 21:56	0° 		
	-12364 Apr 05 j 21:00	0° 			evening rise	-12363 Mar 14 j 05:25	2° 	35'56	
	-12364 Apr 25 j 09:03	0° 				-12363 Mar 29 j 18:02	0° 		
desc. node	-12364 May 03 j 17:44	9° 	54'59		evening max el	-12363 Apr 17 j 11:07	24° 	20'43	27°20'04
evening max el	-12364 May 05 j 00:27	11° 	12'49	26°44'26	desc. node	-12363 Apr 20 j 15:03	27° 	11'50	
retrograde	-12364 May 18 j 01:22	18° 	40'53			-12363 Apr 24 j 15:12	0° 		
evening set	-12364 May 24 j 16:34	15° 	53'55		retrograde	-12363 May 01 j 00:50	1° 	56'09	
min. Earth dist.	-12364 May 28 j 14:38	11° 	48'21	0.65504 AU		-12363 May 06 j 21:26	30° 		
inferior conj	-12364 May 30 j 08:39	9° 	41'26	-3°06'36	evening set	-12363 May 07 j 22:25	29° 	14'40	
minimum elong	-12364 May 30 j 10:33	9° 	35'43	3°06'35	min. Earth dist.	-12363 May 11 j 15:26	25° 	43'52	0.64150 AU
morning rise	-12364 Jun 05 j 04:47	3° 	59'19		inferior conj	-12363 May 14 j 00:04	23° 	07'31	-3°21'50
direct	-12364 Jun 08 j 08:00	3° 	04'02		minimum elong	-12363 May 14 j 01:03	23° 	04'50	3°22'14
asc. node	-12364 Jun 12 j 11:24	4° 	34'22		morning rise	-12363 May 20 j 04:23	17° 	41'39	
morning max el	-12364 Jun 15 j 01:03	6° 	47'35	18°42'50	direct	-12363 May 23 j 01:42	16° 	57'54	
	-12364 Jul 01 j 00:32	0° 			morning max el	-12363 May 29 j 13:31	20° 	25'36	18°13'40
morning set	-12364 Jul 05 j 17:50	7° 	39'37		asc. node	-12363 May 30 j 08:11	21° 	14'23	
	-12364 Jul 19 j 16:16	0° 				-12363 Jun 05 j 19:04	0° 		
superior conj	-12364 Jul 21 j 02:34	2° 	15'58	0°53'46	morning set	-12363 Jun 16 j 20:26	18° 	11'19	
minimum elong	-12364 Jul 21 j 08:25	2°	39'08	0°53'31		-12363 Jun 23 j 18:52	0°		
max. Earth dist.	-12364 Jul 22 j 02:17	3°	49'53	1.44565 AU	superior conj	-12363 Jun 30 j 10:04	10°	52'36	1°27'50
					minimum elong	-12363 Jun 30 j 16:06	11°	16'59	1°27'29

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

max. Earth dist.	-12363 Jul 04 j 17:34	17° Υ 48'33	1.44077 AU	superior conj	-12362 Jun 10 j 16:53	20° Υ 37'23	1°45'45
	-12363 Jul 12 j 10:40	0° B		minimum elong	-12362 Jun 10 j 19:27	20° H 48'12	1°45'31
evening rise	-12363 Jul 16 j 22:20	7° B 00'10			-12362 Jun 16 j 08:18	0° Υ	
desc. node	-12363 Jul 17 j 11:37	7° B 51'46		max. Earth dist.	-12362 Jun 17 j 05:08	1° Υ 25'03	1.42963 AU
greatest brilliancy	-12363 Jul 29 j 13:15	26° B 22'04	-0.7m	evening rise	-12362 Jun 25 j 22:21	15° Υ 19'19	
	-12363 Jul 31 j 23:58	0° Π		desc. node	-12362 Jul 04 j 09:08	28° Υ 19'02	
evening max el	-12363 Aug 11 j 18:52	14° Π 05'39	19°57'44		-12362 Jul 05 j 11:54	0° B	
retrograde	-12363 Aug 19 j 07:34	18° Π 27'07		evening max el	-12362 Jul 25 j 18:52	27° B 31'38	21°04'06
evening set	-12363 Aug 22 j 20:59	17° Π 13'43			-12362 Jul 28 j 12:02	0° Π	
asc. node	-12363 Aug 26 j 09:15	13° Π 48'00		retrograde	-12362 Aug 03 j 04:00	2° Π 26'57	
inferior conj	-12363 Aug 28 j 09:24	11° Π 14'03	0°37'37	evening set	-12362 Aug 07 j 05:20	0° Π 54'09	
minimum elong	-12363 Aug 28 j 08:32	11° Π 16'53	0°37'59		-12362 Aug 08 j 06:26	30° R B	
min. Earth dist.	-12363 Aug 29 j 08:55	9° Π 56'30	0.66365 AU	inferior conj	-12362 Aug 12 j 13:16	24° B 46'52	-0°13'11
morning rise	-12363 Sep 02 j 19:47	4° Π 53'50		minimum elong	-12362 Aug 12 j 13:32	24° B 45'57	0°12'29
direct	-12363 Sep 08 j 13:11	2° Π 27'34		transit middle	-12362 Aug 12 j 13:32	24° B 45'57	0°12'29
morning max el	-12363 Sep 20 j 10:48	9° Π 30'50	25°16'01	transit begin	-12362 Aug 12 j 11:46	24° B 51'58	
	-12363 Oct 06 j 17:51	0° E		transit end	-12362 Aug 12 j 15:18	24° B 39'56	
desc. node	-12363 Oct 13 j 09:57	9° E 59'24		min. Earth dist.	-12362 Aug 13 j 01:59	24° B 03'26	0.66941 AU
	-12363 Oct 25 j 11:28	0° O		asc. node	-12362 Aug 13 j 06:10	23° B 49'14	
morning set	-12363 Oct 26 j 10:23	1° O 41'52		morning rise	-12362 Aug 17 j 21:34	18° B 25'38	
max. Earth dist.	-12363 Oct 30 j 07:58	8° O 48'55	1.37059 AU	direct	-12362 Aug 23 j 00:48	16° B 16'00	
				morning max el	-12362 Sep 02 j 20:42	22° B 46'05	23°55'16
superior conj	-12363 Nov 05 j 09:22	20° O 26'59	-1°37'22		-12362 Sep 09 j 04:35	0° Π	
minimum elong	-12363 Nov 05 j 09:21	20° O 26'52	1°36'52	desc. node	-12362 Sep 30 j 06:53	0° E 16'26	
	-12363 Nov 10 j 03:49	0° M			-12362 Sep 30 j 02:44	0° E	
evening rise	-12363 Nov 13 j 12:07	6° M 45'42		morning set	-12362 Oct 08 j 00:58	12° E 59'38	
asc. node	-12363 Nov 22 j 07:53	23° M 22'37		max. Earth dist.	-12362 Oct 12 j 06:57	20° E 21'10	1.38987 AU
	-12363 Nov 26 j 16:59	0° A			-12362 Oct 17 j 14:51	0° O	
evening max el	-12363 Nov 30 j 23:19	4° A 53'00	19°36'47				
retrograde	-12363 Dec 10 j 10:36	9° A 21'06		superior conj	-12362 Oct 19 j 12:36	3° O 33'48	-1°33'28
evening set	-12363 Dec 12 j 23:53	9° A 03'06		minimum elong	-12362 Oct 19 j 10:52	3° O 25'39	1°32'45
inferior conj	-12363 Dec 21 j 08:18	4° A 55'53	3°57'34	evening rise	-12362 Oct 28 j 10:22	20° O 46'10	
minimum elong	-12363 Dec 21 j 12:10	4° A 49'37	3°57'02		-12362 Nov 02 j 06:06	0° M	
min. Earth dist.	-12363 Dec 23 j 21:17	3° A 17'42	0.56702 AU	asc. node	-12362 Nov 09 j 05:13	11° M 39'08	
morning rise	-12363 Dec 29 j 22:20	0° A 12'50		evening max el	-12362 Nov 13 j 21:23	17° M 17'26	18°46'43
	-12363 Dec 30 j 14:18	30° R M		retrograde	-12362 Nov 22 j 01:44	21° M 15'09	
direct	-12362 Jan 03 j 14:21	29° M 23'34		evening set	-12362 Nov 24 j 13:21	20° M 54'40	
	-12362 Jan 07 j 13:42	0° A		inferior conj	-12362 Dec 02 j 09:07	16° M 29'06	4°17'16
desc. node	-12362 Jan 09 j 11:50	0° A 43'12		minimum elong	-12362 Dec 02 j 09:13	16° M 28'55	4°17'27
morning max el	-12362 Jan 17 j 10:39	6° A 21'37	24°23'53	min. Earth dist.	-12362 Dec 05 j 12:17	14° M 10'39	0.58267 AU
	-12362 Feb 03 j 09:31	0° M		morning rise	-12362 Dec 10 j 03:11	11° M 23'13	
morning set	-12362 Feb 11 j 15:58	16° M 14'03		direct	-12362 Dec 16 j 01:23	9° M 58'12	
asc. node	-12362 Feb 18 j 05:19	0° X 18'23		desc. node	-12362 Dec 27 j 08:27	14° M 46'24	
	-12362 Feb 18 j 01:55	0° X		morning max el	-12362 Dec 30 j 02:01	17° M 10'51	25°52'07
					-12361 Jan 09 j 16:11	0° A	
superior conj	-12362 Feb 18 j 16:18	1° X 17'42	0°04'20		-12361 Jan 26 j 13:00	0° M	
minimum elong	-12362 Feb 18 j 16:09	1° X 16'51	0°03'40	morning set	-12361 Jan 27 j 04:06	1° M 18'50	
behind sun begin	-12362 Feb 18 j 11:09	0° X 49'51					
behind sun end	-12362 Feb 18 j 21:09	1° X 43'50		superior conj	-12361 Feb 03 j 03:12	16° M 19'29	-0°18'33
max. Earth dist.	-12362 Feb 20 j 06:23	4° X 42'27	1.33343 AU	minimum elong	-12361 Feb 03 j 03:58	16° M 23'39	0°18'56
evening rise	-12362 Feb 26 j 03:24	16° X 58'22		max. Earth dist.	-12361 Feb 03 j 18:15	17° M 41'31	1.32906 AU
	-12362 Mar 04 j 21:50	0° Z		asc. node	-12361 Feb 05 j 02:36	20° M 37'13	
	-12362 Mar 24 j 10:12	0° \approx			-12361 Feb 09 j 12:17	0° X	
evening max el	-12362 Mar 30 j 20:14	7° \approx 05'54	27°25'54	evening rise	-12361 Feb 10 j 07:52	1° X 41'24	
desc. node	-12362 Apr 07 j 12:19	12° \approx 56'58			-12361 Feb 25 j 22:26	0° Z	
retrograde	-12362 Apr 13 j 17:54	14° \approx 40'12		evening max el	-12361 Mar 13 j 01:22	19° Z 18'14	26°58'49
evening set	-12362 Apr 20 j 14:43	12° \approx 17'27		desc. node	-12361 Mar 25 j 09:28	26° Z 38'03	
min. Earth dist.	-12362 Apr 24 j 07:26	9° \approx 12'29	0.62445 AU	retrograde	-12361 Mar 27 j 03:11	26° Z 45'59	
inferior conj	-12362 Apr 27 j 05:28	6° \approx 19'47	-3°23'05	evening set	-12361 Apr 02 j 14:16	24° Z 52'58	
minimum elong	-12362 Apr 27 j 04:57	6° \approx 21'05	3°23'41	min. Earth dist.	-12361 Apr 06 j 14:31	22° Z 01'05	0.60513 AU
morning rise	-12362 May 03 j 20:34	1° \approx 11'59		inferior conj	-12361 Apr 09 j 21:23	19° Z 10'53	-3°05'26
direct	-12362 May 06 j 13:03	0° \approx 38'08		minimum elong	-12361 Apr 09 j 19:07	19° Z 15'51	3°05'52
morning max el	-12362 May 13 j 03:24	4° \approx 00'35	18°02'33	morning rise	-12361 Apr 17 j 02:13	14° Z 22'41	
asc. node	-12362 May 17 j 04:59	8° \approx 54'15		direct	-12361 Apr 19 j 14:21	13° Z 57'20	
morning set	-12362 May 29 j 22:32	0° H 09'46		morning max el	-12361 Apr 26 j 16:06	17° Z 26'19	18°10'07
	-12362 May 29 j 20:19	0° H		asc. node	-12361 May 04 j 01:49	27° Z 20'52	
					-12361 May 05 j 15:52	0° \approx	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning set	-12361 May 12 j 19:31	12°≈54'55		asc. node	-12360 Apr 19 j 22:42	16°≈23'10	
	-12361 May 22 j 03:35	0°≈		morning set	-12360 Apr 25 j 06:45	26°≈25'23	
					-12360 Apr 27 j 03:16	0°≈	
superior conj	-12361 May 23 j 02:32	1°≈42'05	1°48'32				
minimum elong	-12361 May 23 j 01:42	1°≈38'24	1°48'09	superior conj	-12360 May 04 j 11:03	13°≈57'06	1°40'06
max. Earth dist.	-12361 May 30 j 11:23	14°≈25'57	1.41373 AU	minimum elong	-12360 May 04 j 08:24	13°≈44'47	1°39'23
evening rise	-12361 Jun 05 j 09:20	24°≈10'29		max. Earth dist.	-12360 May 11 j 12:40	26°≈44'39	1.39525 AU
	-12361 Jun 09 j 01:00	0°≈			-12360 May 13 j 09:33	0°≈	
desc. node	-12361 Jun 21 j 06:40	18°≈33'22		evening rise	-12360 May 15 j 21:53	4°≈17'30	
	-12361 Jun 29 j 10:37	0°≈			-12360 Jun 01 j 05:19	0°≈	
evening max el	-12361 Jul 08 j 11:58	10°≈53'18	22°21'05	desc. node	-12360 Jun 07 j 04:12	8°≈29'01	
retrograde	-12361 Jul 17 j 22:48	16°≈29'24		evening max el	-12360 Jun 19 j 23:43	24°≈12'41	23°43'22
evening set	-12361 Jul 22 j 13:44	14°≈35'19			-12360 Jun 27 j 21:18	0°≈	
inferior conj	-12361 Jul 27 j 19:13	8°≈22'51	-1°00'59	retrograde	-12360 Jun 30 j 14:47	0°≈31'24	
minimum elong	-12361 Jul 27 j 20:25	8°≈18'40	1°00'06		-12360 Jul 03 j 04:17	30°≈	
min. Earth dist.	-12361 Jul 27 j 21:19	8°≈15'32	0.67218 AU	evening set	-12360 Jul 05 j 20:17	28°≈16'15	
asc. node	-12361 Jul 31 j 03:00	4°≈03'11		min. Earth dist.	-12360 Jul 10 j 16:37	22°≈31'14	0.67184 AU
morning rise	-12361 Aug 02 j 03:01	2°≈04'22		inferior conj	-12360 Jul 11 j 01:28	22°≈00'53	-1°44'27
direct	-12361 Aug 06 j 16:44	0°≈13'03		minimum elong	-12360 Jul 11 j 03:22	21°≈54'23	1°43'34
morning max el	-12361 Aug 16 j 08:53	6°≈02'10	22°31'30	morning rise	-12360 Jul 16 j 10:25	15°≈48'34	
	-12361 Sep 03 j 15:27	0°≈		asc. node	-12360 Jul 16 j 23:47	15°≈24'30	
desc. node	-12361 Sep 17 j 03:53	20°≈45'27		direct	-12360 Jul 20 j 12:03	14°≈15'08	
morning set	-12361 Sep 18 j 13:29	23°≈00'50		morning max el	-12360 Jul 29 j 01:57	19°≈22'12	21°12'09
	-12361 Sep 22 j 19:31	0°≈			-12360 Aug 06 j 16:26	0°≈	
max. Earth dist.	-12361 Sep 24 j 07:46	2°≈32'08	1.40951 AU		-12360 Aug 26 j 20:39	0°≈	
				morning set	-12360 Aug 28 j 02:33	1°≈56'49	
superior conj	-12361 Oct 01 j 22:07	15°≈44'20	-1°19'34	desc. node	-12360 Sep 03 j 01:00	11°≈22'19	
minimum elong	-12361 Oct 01 j 18:39	15°≈28'49	1°18'33	max. Earth dist.	-12360 Sep 05 j 14:06	15°≈29'55	1.42670 AU
	-12361 Oct 09 j 16:44	0°≈					
evening rise	-12361 Oct 11 j 23:20	4°≈15'40		superior conj	-12360 Sep 12 j 08:08	26°≈43'49	-0°53'45
asc. node	-12361 Oct 27 j 02:30	29°≈03'05		minimum elong	-12360 Sep 12 j 04:06	26°≈26'44	0°52'34
evening max el	-12361 Oct 28 j 03:27	0°≈08'21	18°16'53		-12360 Sep 14 j 06:07	0°≈	
	-12361 Oct 28 j 00:06	0°≈		evening rise	-12360 Sep 23 j 23:11	17°≈05'07	
retrograde	-12361 Nov 04 j 10:33	3°≈48'21			-12360 Oct 01 j 06:47	0°≈	
evening set	-12361 Nov 06 j 21:52	3°≈24'03		evening max el	-12360 Oct 10 j 14:50	13°≈18'58	18°06'52
	-12361 Nov 12 j 13:17	30°≈		asc. node	-12360 Oct 12 j 23:43	15°≈19'43	
inferior conj	-12361 Nov 14 j 05:02	28°≈36'48	4°05'37	retrograde	-12360 Oct 17 j 09:45	16°≈51'54	
minimum elong	-12361 Nov 14 j 02:19	28°≈42'37	4°05'43	evening set	-12360 Oct 19 j 22:42	16°≈22'00	
min. Earth dist.	-12361 Nov 17 j 08:21	25°≈56'37	0.60085 AU	inferior conj	-12360 Oct 26 j 18:00	11°≈14'04	3°33'31
morning rise	-12361 Nov 21 j 05:16	23°≈10'18		minimum elong	-12360 Oct 26 j 14:12	11°≈23'21	3°33'18
direct	-12361 Nov 27 j 22:53	21°≈09'18		min. Earth dist.	-12360 Oct 29 j 12:59	8°≈31'29	0.61895 AU
morning max el	-12361 Dec 11 j 22:44	28°≈30'36	26°57'30	morning rise	-12360 Nov 02 j 04:31	5°≈29'40	
	-12361 Dec 13 j 10:41	0°≈		direct	-12360 Nov 09 j 05:37	3°≈01'41	
desc. node	-12361 Dec 14 j 05:02	0°≈48'05		morning max el	-12360 Nov 23 j 02:00	10°≈30'12	27°30'32
	-12360 Jan 03 j 05:53	0°≈		desc. node	-12360 Nov 30 j 01:38	18°≈16'50	
morning set	-12360 Jan 11 j 14:00	16°≈16'17			-12360 Dec 08 j 11:44	0°≈	
	-12360 Jan 17 j 23:45	0°≈			-12360 Dec 25 j 08:04	0°≈	
				morning set	-12360 Dec 25 j 19:38	0°≈58'53	
superior conj	-12360 Jan 18 j 15:05	1°≈23'43	-0°40'01	max. Earth dist.	-12360 Dec 31 j 19:17	13°≈36'18	1.33012 AU
minimum elong	-12360 Jan 18 j 16:34	1°≈31'51	0°40'08				
max. Earth dist.	-12360 Jan 18 j 07:50	0°≈44'08	1.32790 AU	superior conj	-12359 Jan 02 j 02:18	16°≈24'21	-0°59'22
asc. node	-12360 Jan 22 j 23:54	10°≈53'31		minimum elong	-12359 Jan 02 j 04:14	16°≈34'51	0°59'16
evening rise	-12360 Jan 25 j 16:23	16°≈35'26			-12359 Jan 08 j 09:21	0°≈	
	-12360 Feb 01 j 10:48	0°≈		asc. node	-12359 Jan 08 j 21:14	1°≈02'48	
	-12360 Feb 22 j 03:22	0°≈		evening rise	-12359 Jan 09 j 03:05	1°≈33'33	
evening max el	-12360 Feb 23 j 00:47	0°≈52'24	26°00'39		-12359 Jan 24 j 21:59	0°≈	
retrograde	-12360 Mar 08 j 03:13	8°≈09'00		evening max el	-12359 Feb 03 j 19:16	11°≈55'41	24°38'54
desc. node	-12360 Mar 11 j 06:29	7°≈44'38		retrograde	-12359 Feb 17 j 16:07	18°≈52'07	
evening set	-12360 Mar 13 j 19:05	6°≈50'23		evening set	-12359 Feb 22 j 06:32	18°≈04'02	
min. Earth dist.	-12360 Mar 18 j 14:04	3°≈57'20	0.58553 AU	desc. node	-12359 Feb 26 j 03:24	16°≈17'18	
inferior conj	-12360 Mar 21 j 20:11	1°≈31'32	-2°22'58	min. Earth dist.	-12359 Feb 28 j 08:49	14°≈56'51	0.56863 AU
minimum elong	-12360 Mar 21 j 16:45	1°≈38'01	2°22'57	inferior conj	-12359 Mar 02 j 23:24	13°≈15'00	-1°11'18
	-12360 Mar 23 j 22:21	30°≈		minimum elong	-12359 Mar 02 j 20:51	13°≈19'11	1°11'16
morning rise	-12360 Mar 29 j 17:32	27°≈03'15		morning rise	-12359 Mar 11 j 14:21	9°≈03'30	
direct	-12360 Apr 01 j 01:13	26°≈45'01		direct	-12359 Mar 13 j 18:16	8°≈50'16	
	-12360 Apr 08 j 09:44	0°≈		morning max el	-12359 Mar 23 j 02:25	13°≈15'23	19°23'28
morning max el	-12360 Apr 09 j 00:47	0°≈34'28	18°36'58		-12359 Apr 03 j 17:09	0°≈	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

asc. node	-12359 Apr 06 j 19:38	5° Z 52'33		direct	-12358 Feb 22 j 18:45	20° M 06'52	
morning set	-12359 Apr 09 j 04:16	10° Z 30'58		morning max el	-12358 Mar 05 j 18:08	25° M 20'08	20°29'30
					-12358 Mar 09 j 22:14	0° X	
superior conj	-12359 Apr 17 j 12:56	27° Z 07'09	1°24'17	morning set	-12358 Mar 24 j 09:01	25° X 03'26	
minimum elong	-12359 Apr 17 j 09:53	26° Z 52'12	1°23'16	asc. node	-12358 Mar 24 j 16:40	25° X 42'24	
	-12359 Apr 19 j 00:37	0° \approx			-12358 Mar 26 j 18:55	0° Z	
max. Earth dist.	-12359 Apr 23 j 12:58	8° \approx 31'07	1.37679 AU				
evening rise	-12359 Apr 27 j 13:17	15° \approx 46'35		superior conj	-12358 Apr 01 j 03:32	10° Z 59'13	1°04'01
	-12359 May 05 j 22:29	0° X		minimum elong	-12358 Apr 01 j 00:55	10° Z 45'54	1°02'53
desc. node	-12359 May 25 j 01:42	27° X 57'38		max. Earth dist.	-12358 Apr 05 j 19:13	20° Z 14'00	1.36043 AU
	-12359 May 26 j 16:39	0° Y		evening rise	-12358 Apr 10 j 02:38	28° Z 24'57	
evening max el	-12359 Jun 02 j 09:13	7° Y 32'41	25°03'34		-12358 Apr 10 j 23:15	0° \approx	
retrograde	-12359 Jun 14 j 03:00	14° Y 27'49			-12358 Apr 29 j 04:31	0° X	
evening set	-12359 Jun 19 j 22:58	11° Y 54'51		desc. node	-12358 May 11 j 23:08	16° X 48'34	
min. Earth dist.	-12359 Jun 24 j 09:34	6° Y 47'34	0.66821 AU	evening max el	-12358 May 15 j 19:16	20° X 54'40	26°12'53
inferior conj	-12359 Jun 25 j 06:15	5° Y 38'46	-2°22'16	retrograde	-12358 May 28 j 10:41	28° X 14'00	
minimum elong	-12359 Jun 25 j 08:29	5° Y 31'19	2°21'36	evening set	-12358 Jun 03 j 19:38	25° X 29'43	
	-12359 Jun 30 j 05:10	30° X		min. Earth dist.	-12358 Jun 07 j 21:53	21° X 01'41	0.66098 AU
morning rise	-12359 Jun 30 j 18:00	29° X 35'45		inferior conj	-12358 Jun 09 j 07:40	19° X 15'13	-2°52'56
asc. node	-12359 Jul 03 j 20:32	28° X 20'18		minimum elong	-12358 Jun 09 j 09:50	19° X 08'24	2°52'39
direct	-12359 Jul 04 j 09:29	28° X 18'39		morning rise	-12358 Jun 15 j 00:08	13° X 24'28	
	-12359 Jul 08 j 21:07	0° Y		direct	-12358 Jun 18 j 07:21	12° X 21'40	
morning max el	-12359 Jul 12 j 01:12	2° Y 47'25	20°02'46	asc. node	-12358 Jun 20 j 17:18	12° X 53'29	
	-12359 Jul 31 j 11:54	0° Z		morning max el	-12358 Jun 25 j 06:42	16° X 19'11	19°07'19
morning set	-12359 Aug 07 j 05:36	10° Z 25'45			-12358 Jul 05 j 11:03	0° Y	
max. Earth dist.	-12359 Aug 19 j 01:41	29° Z 04'19	1.43914 AU	morning set	-12358 Jul 17 j 18:38	19° Y 23'11	
	-12359 Aug 19 j 15:36	0° II			-12358 Jul 24 j 11:18	0° Z	
desc. node	-12359 Aug 20 j 22:13	2° II 02'45		max. Earth dist.	-12358 Aug 01 j 17:12	13° Z 02'41	1.44532 AU
superior conj	-12359 Aug 23 j 14:29	6° II 22'14	-0°15'58	superior conj	-12358 Aug 02 j 21:20	14° Z 54'07	0°28'52
minimum elong	-12359 Aug 23 j 12:51	6° II 15'35	0°15'05	minimum elong	-12358 Aug 03 j 00:48	15° Z 07'51	0°28'59
behind sun begin	-12359 Aug 23 j 08:44	5° II 58'54		desc. node	-12358 Aug 07 j 19:32	22° Z 43'47	
behind sun end	-12359 Aug 23 j 16:58	6° II 32'17			-12358 Aug 12 j 08:31	0° II	
evening rise	-12359 Sep 06 j 04:43	29° II 00'56		evening rise	-12358 Aug 18 j 10:17	9° II 49'17	
	-12359 Sep 06 j 18:35	0° Z			-12358 Aug 31 j 00:27	0° Z	
evening max el	-12359 Sep 24 j 04:29	26° Z 41'45	18°15'47	evening max el	-12358 Sep 07 j 17:31	10° Z 11'01	18°42'30
	-12359 Sep 29 j 00:15	0° Z		retrograde	-12358 Sep 14 j 11:10	13° Z 56'44	
asc. node	-12359 Sep 29 j 20:52	0° Z 12'12		asc. node	-12358 Sep 16 j 17:58	13° Z 27'25	
retrograde	-12359 Sep 30 j 19:11	0° Z 16'45		evening set	-12358 Sep 17 j 10:19	13° Z 07'28	
	-12359 Oct 02 j 14:04	30° X		inferior conj	-12358 Sep 23 j 09:40	7° Z 25'52	1°59'44
evening set	-12359 Oct 03 j 12:03	29° Z 38'43		minimum elong	-12358 Sep 23 j 06:56	7° Z 33'58	1°59'33
inferior conj	-12359 Oct 09 j 20:38	24° Z 12'32	2°49'37	min. Earth dist.	-12358 Sep 25 j 03:47	5° Z 20'27	0.64862 AU
minimum elong	-12359 Oct 09 j 17:01	24° Z 22'21	2°49'17	morning rise	-12358 Sep 29 j 03:00	1° Z 15'50	
min. Earth dist.	-12359 Oct 12 j 03:33	21° Z 43'17	0.63518 AU		-12358 Sep 30 j 20:59	30° X	
morning rise	-12359 Oct 15 j 21:08	18° Z 13'34		direct	-12358 Oct 05 j 17:09	28° II 33'10	
direct	-12359 Oct 22 j 20:06	15° Z 31'48			-12358 Oct 11 j 00:13	0° Z	
morning max el	-12359 Nov 05 j 09:50	23° Z 04'10	27°28'59	morning max el	-12358 Oct 18 j 19:46	6° Z 02'19	26°55'56
	-12359 Nov 11 j 16:51	0° Z		desc. node	-12358 Nov 03 j 18:55	26° Z 02'03	
desc. node	-12359 Nov 16 j 22:15	6° Z 47'28			-12358 Nov 06 j 10:29	0° Z	
	-12359 Dec 01 j 15:26	0° M		morning set	-12358 Nov 23 j 07:31	29° Z 02'51	
morning set	-12359 Dec 09 j 18:32	15° M 17'53			-12358 Nov 23 j 19:23	0° M	
max. Earth dist.	-12359 Dec 15 j 00:53	26° M 05'49	1.33608 AU	max. Earth dist.	-12358 Nov 27 j 21:29	8° M 05'24	1.34623 AU
	-12359 Dec 16 j 21:04	0° Z					
				superior conj	-12358 Dec 01 j 15:29	15° M 48'34	-1°28'26
superior conj	-12359 Dec 17 j 11:07	1° Z 15'03	-1°15'49	minimum elong	-12358 Dec 01 j 17:08	15° M 57'11	1°28'07
minimum elong	-12359 Dec 17 j 13:08	1° Z 25'50	1°15'36		-12358 Dec 08 j 09:23	0° Z	
evening rise	-12359 Dec 24 j 14:19	16° Z 29'49		evening rise	-12358 Dec 09 j 00:24	1° Z 18'13	
asc. node	-12359 Dec 26 j 18:37	21° Z 00'13		asc. node	-12358 Dec 13 j 16:00	10° Z 39'45	
	-12359 Dec 31 j 09:28	0° M			-12358 Dec 25 j 19:46	0° M	
evening max el	-12358 Jan 16 j 12:43	22° M 47'48	23°05'43	evening max el	-12358 Dec 29 j 10:18	3° M 50'51	21°34'05
retrograde	-12358 Jan 29 j 16:34	29° M 09'53		retrograde	-12357 Jan 10 j 07:41	9° M 27'40	
evening set	-12358 Feb 02 j 06:55	28° M 41'37		evening set	-12357 Jan 13 j 06:31	9° M 08'02	
min. Earth dist.	-12358 Feb 10 j 00:57	25° M 08'44	0.55759 AU	inferior conj	-12357 Jan 22 j 06:35	5° M 06'59	2°07'55
inferior conj	-12358 Feb 11 j 08:21	24° M 22'32	0°25'25	minimum elong	-12357 Jan 22 j 11:34	4° M 59'52	2°06'04
minimum elong	-12358 Feb 11 j 09:24	24° M 20'59	0°24'29	min. Earth dist.	-12357 Jan 22 j 15:10	4° M 54'43	0.55473 AU
desc. node	-12358 Feb 13 j 00:14	23° M 24'30		desc. node	-12357 Jan 30 j 20:59	1° M 08'24	
morning rise	-12358 Feb 20 j 13:36	20° M 18'50		morning rise	-12357 Jan 31 j 16:13	0° M 57'20	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

direct	-12357 Feb 03 j 10:28	0° \mathbb{M} 40'17		desc. node	-12356 Jan 17 j 17:41	11° \mathbb{Q} 07'17	
morning max el	-12357 Feb 15 j 22:21	6° \mathbb{M} 43'27	21°53'09	morning max el	-12356 Jan 28 j 16:59	17° \mathbb{Q} 34'31	23°28'19
	-12357 Mar 03 j 19:39	0° \mathbb{X}			-12356 Feb 07 j 16:46	0° \mathbb{M}	
morning set	-12357 Mar 08 j 18:23	9° \mathbb{X} 53'53		morning set	-12356 Feb 21 j 06:16	24° \mathbb{M} 55'10	
asc. node	-12357 Mar 11 j 13:47	15° \mathbb{X} 46'15			-12356 Feb 23 j 15:55	0° \mathbb{X}	
				asc. node	-12356 Feb 26 j 10:57	5° \mathbb{X} 59'15	
superior conj	-12357 Mar 16 j 03:04	25° \mathbb{X} 21'14	0°41'23	superior conj	-12356 Feb 28 j 08:41	10° \mathbb{X} 04'25	0°17'52
minimum elong	-12357 Mar 16 j 01:18	25° \mathbb{X} 12'03	0°40'20	minimum elong	-12356 Feb 28 j 07:57	10° \mathbb{X} 00'29	0°17'01
	-12357 Mar 18 j 08:50	0° \mathbb{Z}			-12356 Mar 01 j 13:21	14° \mathbb{X} 44'08	1.33752 AU
max. Earth dist.	-12357 Mar 19 j 11:26	2° \mathbb{Z} 16'00	1.34724 AU	max. Earth dist.	-12356 Mar 07 j 01:07	26° \mathbb{X} 00'47	
evening rise	-12357 Mar 24 j 08:07	11° \mathbb{Z} 54'28		evening rise	-12356 Mar 09 j 01:51	0° \mathbb{Z}	
	-12357 Apr 03 j 08:34	0° \approx			-12356 Mar 26 j 18:33	0° \approx	
	-12357 Apr 24 j 07:44	0° \mathbb{X}			-12356 Apr 09 j 16:32	17° \approx 10'39	27°26'17
evening max el	-12357 Apr 28 j 06:14	4° \mathbb{X} 11'11	27°02'53	evening max el	-12356 Apr 14 j 17:51	21° \approx 27'20	
desc. node	-12357 Apr 28 j 20:32	4° \mathbb{X} 45'48		desc. node	-12356 Apr 23 j 09:42	24° \approx 45'42	
retrograde	-12357 May 11 j 13:06	11° \mathbb{X} 42'40		retrograde	-12356 Apr 30 j 08:11	22° \approx 10'29	
evening set	-12357 May 18 j 07:43	8° \mathbb{X} 56'47		evening set	-12356 May 04 j 00:20	18° \approx 52'15	0.63473 AU
min. Earth dist.	-12357 May 22 j 03:23	5° \mathbb{X} 06'33	0.64981 AU	min. Earth dist.	-12356 May 06 j 15:01	16° \approx 07'06	-3°24'19
inferior conj	-12357 May 24 j 03:29	2° \mathbb{X} 46'20	-3°14'32	inferior conj	-12356 May 06 j 15:25	16° \approx 06'03	3°24'51
minimum elong	-12357 May 24 j 05:03	2° \mathbb{X} 41'45	3°14'43	minimum elong	-12356 May 12 j 23:36	10° \approx 48'49	
	-12357 May 26 j 15:09	30° \mathbb{R} \approx		morning rise	-12356 May 15 j 18:53	10° \approx 09'21	
morning rise	-12357 May 30 j 02:47	27° \approx 10'37		direct	-12356 May 22 j 06:35	13° \approx 33'00	18°06'41
direct	-12357 Jun 02 j 03:26	26° \approx 20'17		morning max el	-12356 May 24 j 10:51	15° \approx 58'46	
asc. node	-12357 Jun 07 j 14:04	28° \approx 51'39		asc. node	-12356 Jun 02 j 15:55	0° \mathbb{X}	
morning max el	-12357 Jun 08 j 17:11	29° \approx 55'40	18°28'13		-12356 Jun 08 j 19:42	10° \mathbb{X} 35'22	
	-12357 Jun 08 j 18:54	0° \mathbb{X}		morning set	-12356 Jun 20 j 06:19	0° \mathbb{Y}	
morning set	-12357 Jun 28 j 06:39	29° \mathbb{X} 24'21					
	-12357 Jun 28 j 15:17	0° \mathbb{Y}		superior conj	-12356 Jun 21 j 14:10	2° \mathbb{Y} 11'23	1°37'29
superior conj	-12357 Jul 12 j 21:59	23° \mathbb{Y} 09'40	1°10'01	minimum elong	-12356 Jun 21 j 18:56	2° \mathbb{Y} 30'57	1°37'13
minimum elong	-12357 Jul 13 j 04:35	23° \mathbb{Y} 35'55	1°09'39	max. Earth dist.	-12356 Jun 27 j 00:28	11° \mathbb{Y} 01'06	1.43675 AU
max. Earth dist.	-12357 Jul 15 j 09:59	27° \mathbb{Y} 08'14	1.44446 AU	evening rise	-12356 Jul 07 j 16:51	27° \mathbb{Y} 53'07	
	-12357 Jul 17 j 05:20	0° \mathbb{B}			-12356 Jul 09 j 01:34	0° \mathbb{B}	
desc. node	-12357 Jul 25 j 16:57	13° \mathbb{B} 22'21		desc. node	-12356 Jul 11 j 14:27	3° \mathbb{B} 54'48	
evening rise	-12357 Jul 29 j 12:28	19° \mathbb{B} 21'46			-12356 Jul 29 j 07:51	0° \mathbb{I}	
	-12357 Aug 05 j 07:29	0° \mathbb{I}		evening max el	-12356 Aug 04 j 06:59	7° \mathbb{I} 09'22	20°24'24
greatest brilliancy	-12357 Aug 08 j 04:23	4° \mathbb{I} 27'13	-0.8m	retrograde	-12356 Aug 12 j 03:33	11° \mathbb{I} 44'19	
evening max el	-12357 Aug 22 j 03:09	23° \mathbb{I} 41'42	19°25'51	evening set	-12356 Aug 15 j 21:52	10° \mathbb{I} 22'47	
retrograde	-12357 Aug 29 j 06:47	27° \mathbb{I} 47'18		asc. node	-12356 Aug 20 j 11:57	5° \mathbb{I} 26'26	
evening set	-12357 Sep 01 j 14:27	26° \mathbb{I} 43'29		inferior conj	-12356 Aug 21 j 08:05	4° \mathbb{I} 19'18	0°15'46
asc. node	-12357 Sep 03 j 14:59	25° \mathbb{I} 04'33		minimum elong	-12356 Aug 21 j 07:44	4° \mathbb{I} 20'32	0°16'17
inferior conj	-12357 Sep 07 j 06:17	20° \mathbb{I} 49'25	1°07'38	transit middle	-12356 Aug 21 j 07:44	4° \mathbb{I} 20'32	0°16'17
minimum elong	-12357 Sep 07 j 04:44	20° \mathbb{I} 54'23	1°07'46	transit begin	-12356 Aug 21 j 07:26	4° \mathbb{I} 21'30	
min. Earth dist.	-12357 Sep 08 j 12:14	19° \mathbb{I} 13'42	0.65900 AU	transit end	-12356 Aug 21 j 08:01	4° \mathbb{I} 19'34	
morning rise	-12357 Sep 12 j 18:41	14° \mathbb{I} 31'59		min. Earth dist.	-12356 Aug 22 j 02:52	3° \mathbb{I} 16'19	0.66641 AU
direct	-12357 Sep 18 j 20:08	11° \mathbb{I} 58'05			-12356 Aug 24 j 17:10	30° \mathbb{R} \mathbb{B}	
morning max el	-12357 Oct 01 j 06:02	19° \mathbb{I} 13'55	25°57'50	morning rise	-12356 Aug 26 j 17:23	27° \mathbb{B} 58'14	
	-12357 Oct 10 j 12:18	0° \mathbb{G}		direct	-12356 Sep 01 j 04:37	25° \mathbb{B} 39'00	
desc. node	-12357 Oct 21 j 15:40	15° \mathbb{G} 47'52			-12356 Sep 10 j 00:21	0° \mathbb{I}	
	-12357 Oct 30 j 11:10	0° \mathbb{Q}		morning max el	-12356 Sep 12 j 15:57	2° \mathbb{I} 29'27	24°42'43
morning set	-12357 Nov 06 j 06:32	12° \mathbb{Q} 01'42			-12356 Oct 03 j 16:15	0° \mathbb{G}	
max. Earth dist.	-12357 Nov 10 j 07:38	19° \mathbb{Q} 38'30	1.36062 AU	desc. node	-12356 Oct 07 j 12:30	5° \mathbb{G} 55'04	
				morning set	-12356 Oct 18 j 10:25	23° \mathbb{G} 59'41	
superior conj	-12357 Nov 15 j 12:51	29° \mathbb{Q} 56'36	-1°35'58		-12356 Oct 21 j 19:26	0° \mathbb{Q}	
minimum elong	-12357 Nov 15 j 13:36	0° \mathbb{P} 00'24	1°35'33	max. Earth dist.	-12356 Oct 22 j 09:12	1° \mathbb{Q} 02'30	1.37855 AU
	-12357 Nov 15 j 13:32	0° \mathbb{P}		superior conj	-12356 Oct 28 j 23:49	13° \mathbb{Q} 28'12	-1°36'48
evening rise	-12357 Nov 23 j 07:37	15° \mathbb{P} 53'08		minimum elong	-12356 Oct 28 j 23:07	13° \mathbb{Q} 24'48	1°36'13
asc. node	-12357 Nov 30 j 13:23	29° \mathbb{P} 54'24		evening rise	-12356 Nov 06 j 09:47	0° \mathbb{P} 07'22	
	-12357 Nov 30 j 14:39	0° \mathbb{Q}			-12356 Nov 06 j 08:18	0° \mathbb{P}	
evening max el	-12357 Dec 11 j 16:20	15° \mathbb{Q} 21'50	20°14'31	asc. node	-12356 Nov 16 j 10:45	18° \mathbb{P} 34'49	
retrograde	-12357 Dec 22 j 00:27	20° \mathbb{Q} 13'12		evening max el	-12356 Nov 23 j 08:34	27° \mathbb{P} 26'20	19°13'00
evening set	-12357 Dec 24 j 15:56	19° \mathbb{Q} 55'31			-12356 Nov 26 j 15:26	0° \mathbb{Q}	
inferior conj	-12356 Jan 02 j 07:02	15° \mathbb{Q} 54'21	3°28'27	retrograde	-12356 Dec 02 j 05:53	1° \mathbb{Q} 40'30	
minimum elong	-12356 Jan 02 j 12:28	15° \mathbb{Q} 46'06	3°27'12	evening set	-12356 Dec 04 j 18:07	1° \mathbb{Q} 21'42	
min. Earth dist.	-12356 Jan 04 j 04:16	14° \mathbb{Q} 45'58	0.56042 AU		-12356 Dec 08 j 06:05	30° \mathbb{R} \mathbb{P}	
morning rise	-12356 Jan 11 j 07:18	11° \mathbb{Q} 25'31		inferior conj	-12356 Dec 12 j 21:10	27° \mathbb{P} 07'11	4°10'29
direct	-12356 Jan 15 j 04:18	10° \mathbb{Q} 52'24					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-12356 Dec 12 j 23:27	27° \mathbb{M} 03'16	4°10'21	evening set	-12355 Nov 16 j 15:44	13° \mathbb{M} 29'08	
min. Earth dist.	-12356 Dec 15 j 17:59	25° \mathbb{M} 10'00	0.57312 AU	inferior conj	-12355 Nov 24 j 06:07	8° \mathbb{M} 54'45	4°15'29
morning rise	-12356 Dec 21 j 02:43	22° \mathbb{M} 13'57		minimum elong	-12355 Nov 24 j 04:48	8° \mathbb{M} 57'20	4°15'42
direct	-12356 Dec 26 j 08:10	21° \mathbb{M} 10'36		min. Earth dist.	-12355 Nov 27 j 10:55	6° \mathbb{M} 24'12	0.59022 AU
desc. node	-12355 Jan 03 j 14:19	23° \mathbb{M} 45'54		morning rise	-12355 Dec 01 j 16:04	3° \mathbb{M} 39'27	
morning max el	-12355 Jan 09 j 07:45	28° \mathbb{M} 16'18	25°03'25	direct	-12355 Dec 08 j 00:01	1° \mathbb{M} 58'13	
	-12355 Jan 11 j 01:09	0° \mathbb{L}		desc. node	-12355 Dec 21 j 10:53	8° \mathbb{M} 42'41	
	-12355 Jan 30 j 20:17	0° \mathbb{M}		morning max el	-12355 Dec 22 j 00:59	9° \mathbb{M} 15'53	26°23'27
morning set	-12355 Feb 04 j 18:47	10° \mathbb{M} 00'18			-12354 Jan 06 j 21:02	0° \mathbb{L}	
				morning set	-12354 Jan 20 j 06:09	25° \mathbb{L} 02'13	
					-12354 Jan 22 j 14:22	0° \mathbb{M}	
superior conj	-12355 Feb 11 j 18:12	25° \mathbb{M} 01'10	-0°05'31	superior conj	-12354 Jan 27 j 05:41	10° \mathbb{M} 04'24	-0°27'52
minimum elong	-12355 Feb 11 j 18:27	25° \mathbb{M} 02'32	0°06'04	minimum elong	-12354 Jan 27 j 06:47	10° \mathbb{M} 10'24	0°28'08
behind sun begin	-12355 Feb 11 j 13:45	24° \mathbb{M} 37'01		max. Earth dist.	-12354 Jan 27 j 11:11	10° \mathbb{M} 34'29	1.32809 AU
behind sun end	-12355 Feb 11 j 23:09	25° \mathbb{M} 28'03		asc. node	-12354 Jan 30 j 05:26	16° \mathbb{M} 34'49	
asc. node	-12355 Feb 12 j 08:10	26° \mathbb{M} 16'55		evening rise	-12354 Feb 03 j 08:31	25° \mathbb{M} 20'40	
max. Earth dist.	-12355 Feb 12 j 22:24	27° \mathbb{M} 33'55	1.33115 AU		-12354 Feb 05 j 15:14	0° \mathbb{L}	
	-12355 Feb 14 j 01:32	0° \mathbb{L}			-12354 Feb 23 j 06:16	0° \mathbb{L}	
evening rise	-12355 Feb 19 j 02:08	10° \mathbb{L} 32'39		evening max el	-12354 Mar 05 j 02:41	11° \mathbb{L} 37'48	26°37'39
	-12355 Mar 01 j 09:33	0° \mathbb{L}		retrograde	-12354 Mar 19 j 05:46	19° \mathbb{L} 02'21	
evening max el	-12355 Mar 22 j 23:59	29° \mathbb{L} 42'07	27°18'17	desc. node	-12354 Mar 19 j 12:09	19° \mathbb{L} 02'10	
	-12355 Mar 23 j 07:27	0° \mathbb{M}		evening set	-12354 Mar 25 j 09:31	17° \mathbb{L} 23'55	
desc. node	-12355 Apr 01 j 15:04	6° \mathbb{M} 24'07		min. Earth dist.	-12354 Mar 29 j 16:09	14° \mathbb{L} 33'03	0.59660 AU
retrograde	-12355 Apr 05 j 23:49	7° \mathbb{M} 14'48		inferior conj	-12354 Apr 02 j 00:11	11° \mathbb{L} 50'21	-2°50'51
evening set	-12355 Apr 12 j 17:47	5° \mathbb{M} 03'13		minimum elong	-12354 Apr 01 j 21:16	11° \mathbb{L} 56'20	2°51'06
min. Earth dist.	-12355 Apr 16 j 12:19	2° \mathbb{M} 05'50	0.61643 AU	morning rise	-12354 Apr 09 j 11:46	7° \mathbb{L} 10'45	
	-12355 Apr 18 j 18:30	30° \mathbb{L}		direct	-12354 Apr 11 j 21:49	6° \mathbb{L} 48'47	
inferior conj	-12355 Apr 19 j 15:08	29° \mathbb{L} 11'16	-3°18'16	morning max el	-12354 Apr 19 j 07:47	10° \mathbb{L} 25'02	18°19'07
minimum elong	-12355 Apr 19 j 13:52	29° \mathbb{L} 14'15	3°18'51	asc. node	-12354 Apr 28 j 04:29	22° \mathbb{L} 42'55	
morning rise	-12355 Apr 26 j 11:46	24° \mathbb{L} 12'03			-12354 May 02 j 06:08	0° \mathbb{M}	
direct	-12355 Apr 29 j 02:20	23° \mathbb{L} 42'03		morning set	-12354 May 05 j 10:01	5° \mathbb{M} 54'49	
morning max el	-12355 May 05 j 20:24	27° \mathbb{L} 05'36	18°03'28				
	-12355 May 08 j 10:32	0° \mathbb{M}		superior conj	-12354 May 15 j 04:43	24° \mathbb{M} 07'27	1°46'06
asc. node	-12355 May 11 j 07:39	4° \mathbb{M} 00'07		minimum elong	-12354 May 15 j 02:55	23° \mathbb{M} 59'18	1°45'34
morning set	-12355 May 22 j 06:26	22° \mathbb{M} 49'20			-12354 May 18 j 11:30	0° \mathbb{L}	
	-12355 May 26 j 05:58	0° \mathbb{L}		max. Earth dist.	-12354 May 22 j 13:02	7° \mathbb{L} 03'59	1.40603 AU
superior conj	-12355 Jun 02 j 08:42	12° \mathbb{L} 31'19	1°48'34	evening rise	-12354 May 27 j 15:48	15° \mathbb{L} 38'32	
minimum elong	-12355 Jun 02 j 09:40	12° \mathbb{L} 35'29	1°48'19		-12354 Jun 05 j 16:34	0° \mathbb{Y}	
max. Earth dist.	-12355 Jun 09 j 09:43	24° \mathbb{L} 23'25	1.42329 AU	desc. node	-12354 Jun 15 j 09:34	14° \mathbb{Y} 24'31	
	-12355 Jun 12 j 20:14	0° \mathbb{Y}			-12354 Jun 27 j 05:11	0° \mathbb{L}	
evening rise	-12355 Jun 16 j 18:51	6° \mathbb{Y} 18'02		evening max el	-12354 Jun 30 j 18:20	3° \mathbb{L} 53'04	22°55'51
desc. node	-12355 Jun 28 j 12:00	24° \mathbb{Y} 17'25		retrograde	-12354 Jul 10 j 17:19	9° \mathbb{L} 47'47	
	-12355 Jul 02 j 09:01	0° \mathbb{L}		evening set	-12354 Jul 15 j 14:16	7° \mathbb{L} 44'50	
evening max el	-12355 Jul 18 j 03:51	20° \mathbb{L} 32'59	21°35'45	inferior conj	-12354 Jul 20 j 19:22	1° \mathbb{L} 30'52	-1°20'03
retrograde	-12355 Jul 26 j 23:36	25° \mathbb{L} 45'38		minimum elong	-12354 Jul 20 j 20:54	1° \mathbb{L} 25'34	1°19'07
evening set	-12355 Jul 31 j 06:28	24° \mathbb{L} 03'58		min. Earth dist.	-12354 Jul 20 j 16:59	1° \mathbb{L} 39'08	0.67245 AU
inferior conj	-12355 Aug 05 j 13:04	17° \mathbb{L} 53'55	-0°33'56		-12354 Jul 21 j 21:50	30° \mathbb{L}	
minimum elong	-12355 Aug 05 j 13:46	17° \mathbb{L} 51'31	0°33'07	asc. node	-12354 Jul 25 j 05:38	26° \mathbb{Y} 02'33	
min. Earth dist.	-12355 Aug 05 j 21:16	17° \mathbb{L} 25'40	0.67091 AU	morning rise	-12354 Jul 26 j 03:26	25° \mathbb{Y} 14'19	
asc. node	-12355 Aug 07 j 08:50	15° \mathbb{L} 25'30		direct	-12354 Jul 30 j 11:50	23° \mathbb{Y} 30'34	
morning rise	-12355 Aug 10 j 20:57	11° \mathbb{L} 33'10		morning max el	-12354 Aug 08 j 16:26	29° \mathbb{Y} 01'52	21°56'40
direct	-12355 Aug 15 j 18:12	9° \mathbb{L} 31'22			-12354 Aug 09 j 14:28	0° \mathbb{L}	
morning max el	-12355 Aug 26 j 02:36	15° \mathbb{L} 45'19	23°19'29		-12354 Aug 31 j 11:32	0° \mathbb{L}	
	-12355 Sep 06 j 17:14	0° \mathbb{L}		morning set	-12354 Sep 09 j 15:40	14° \mathbb{L} 14'44	
desc. node	-12355 Sep 24 j 09:27	26° \mathbb{L} 17'33		desc. node	-12354 Sep 11 j 06:32	16° \mathbb{L} 50'14	
	-12355 Sep 26 j 16:45	0° \mathbb{L}		max. Earth dist.	-12354 Sep 16 j 10:10	25° \mathbb{L} 15'12	1.41728 AU
morning set	-12355 Sep 29 j 14:08	4° \mathbb{L} 44'53			-12354 Sep 19 j 06:06	0° \mathbb{L}	
max. Earth dist.	-12355 Oct 04 j 07:52	12° \mathbb{L} 46'51	1.39832 AU				
superior conj	-12355 Oct 11 j 20:06	26° \mathbb{L} 11'59	-1°28'55	superior conj	-12354 Sep 23 j 20:18	7° \mathbb{L} 53'53	-1°10'08
minimum elong	-12355 Oct 11 j 17:35	26° \mathbb{L} 00'23	1°28'05	minimum elong	-12354 Sep 23 j 16:20	7° \mathbb{L} 36'36	1°09'01
	-12355 Oct 13 j 21:12	0° \mathbb{L}		evening rise	-12354 Oct 04 j 12:18	27° \mathbb{L} 08'01	
evening rise	-12355 Oct 21 j 04:26	13° \mathbb{L} 54'55			-12354 Oct 06 j 01:44	0° \mathbb{L}	
	-12355 Oct 29 j 23:23	0° \mathbb{M}		evening max el	-12354 Oct 20 j 19:02	23° \mathbb{L} 02'35	18°10'20
asc. node	-12355 Nov 03 j 08:03	6° \mathbb{M} 30'12		asc. node	-12354 Oct 21 j 05:18	23° \mathbb{L} 27'23	
evening max el	-12355 Nov 06 j 10:17	10° \mathbb{M} 02'09	18°31'35	retrograde	-12354 Oct 27 j 19:44	26° \mathbb{L} 37'59	
retrograde	-12355 Nov 14 j 04:34	13° \mathbb{M} 50'55		evening set	-12354 Oct 30 j 07:36	26° \mathbb{L} 11'29	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

inferior conj	-12354 Nov 06 j 09:37	21°Ω15'28	3°53'53	inferior conj	-12353 Oct 20 j 04:48	4°Ω02'16	3°15'55
minimum elong	-12354 Nov 06 j 06:14	21°Ω23'06	3°53'51	minimum elong	-12353 Oct 20 j 00:58	4°Ω12'06	3°15'37
min. Earth dist.	-12354 Nov 09 j 10:16	18°Ω31'53	0.60870 AU	min. Earth dist.	-12353 Oct 22 j 18:48	1°Ω24'04	0.62617 AU
morning rise	-12354 Nov 13 j 03:31	15°Ω41'15			-12353 Oct 24 j 06:04	30°R☿	
direct	-12354 Nov 20 j 01:57	13°Ω26'57		morning rise	-12353 Oct 26 j 10:41	28°☿11'32	
morning max el	-12354 Dec 04 j 00:16	20°Ω51'25	27°15'48	direct	-12353 Nov 02 j 11:57	25°☿36'15	
desc. node	-12354 Dec 08 j 07:27	25°Ω24'42			-12353 Nov 12 j 17:05	0°Ω	
	-12354 Dec 12 j 01:13	0°♊		morning max el	-12353 Nov 16 j 05:40	3°Ω06'03	27°34'07
	-12354 Dec 30 j 15:19	0°♊		desc. node	-12353 Nov 25 j 04:02	13°Ω22'04	
morning set	-12353 Jan 04 j 14:29	9°♊54'10			-12353 Dec 06 j 09:37	0°♊	
max. Earth dist.	-12353 Jan 11 j 00:13	23°♊33'54	1.32836 AU	morning set	-12353 Dec 19 j 17:34	24°♊27'22	
					-12353 Dec 22 j 10:17	0°♊	
superior conj	-12353 Jan 11 j 17:30	25°♊08'05	-0°48'32	max. Earth dist.	-12353 Dec 25 j 09:46	6°♊18'12	1.33219 AU
minimum elong	-12353 Jan 11 j 19:13	25°♊17'26	0°48'33				
	-12353 Jan 13 j 23:01	0°♋		superior conj	-12353 Dec 27 j 03:54	10°♊04'52	-1°06'46
asc. node	-12353 Jan 17 j 02:45	6°♋48'53		minimum elong	-12353 Dec 27 j 05:55	10°♊15'46	1°06'36
evening rise	-12353 Jan 18 j 18:12	10°♋17'33		evening rise	-12352 Jan 03 j 05:20	25°♊15'31	
	-12353 Jan 29 j 00:28	0°♋		asc. node	-12352 Jan 04 j 00:06	26°♊53'36	
evening max el	-12353 Feb 15 j 00:01	22°♋58'22	25°28'19		-12352 Jan 05 j 12:20	0°♋	
	-12353 Feb 27 j 07:12	0°♋			-12352 Jan 24 j 00:31	0°♋	
retrograde	-12353 Mar 01 j 01:14	0°♋07'18		evening max el	-12352 Jan 27 j 17:30	3°♋53'42	23°59'53
	-12353 Mar 02 j 19:08	30°R♋		retrograde	-12352 Feb 10 j 08:18	10°♋36'39	
evening set	-12353 Mar 06 j 06:30	29°♋02'59		evening set	-12352 Feb 14 j 12:04	9°♋58'21	
desc. node	-12353 Mar 06 j 09:05	29°♋00'22		desc. node	-12352 Feb 21 j 05:56	6°♋43'12	
min. Earth dist.	-12353 Mar 11 j 13:35	26°♋05'13	0.57781 AU	min. Earth dist.	-12352 Feb 21 j 06:42	6°♋42'03	0.56309 AU
inferior conj	-12353 Mar 14 j 14:54	23°♋56'21	-1°56'15	inferior conj	-12352 Feb 23 j 09:47	5°♋23'07	-0°32'35
minimum elong	-12353 Mar 14 j 11:30	24°♋02'23	1°56'08	minimum elong	-12352 Feb 23 j 08:28	5°♋25'08	0°32'51
morning rise	-12353 Mar 22 j 19:42	19°♋35'26		morning rise	-12352 Mar 03 j 07:34	1°♋16'26	
direct	-12353 Mar 25 j 01:35	19°♋19'37		direct	-12352 Mar 05 j 11:19	1°♋04'09	
morning max el	-12353 Apr 02 j 13:47	23°♋22'43	18°54'14	morning max el	-12352 Mar 15 j 11:23	5°♋48'14	19°49'16
	-12353 Apr 08 j 00:11	0°♌			-12352 Mar 31 j 02:53	0°♌	
asc. node	-12353 Apr 15 j 01:24	11°♌57'52		asc. node	-12352 Mar 31 j 22:24	1°♌36'31	
morning set	-12353 Apr 19 j 02:07	19°♌41'47		morning set	-12352 Apr 02 j 03:04	3°♌59'46	
	-12353 Apr 24 j 08:34	0°♍					
superior conj	-12353 Apr 27 j 21:17	6°♍47'33	1°34'06	superior conj	-12352 Apr 10 j 05:06	20°♌16'45	1°16'05
minimum elong	-12353 Apr 27 j 18:19	6°♍33'28	1°33'14	minimum elong	-12352 Apr 10 j 02:09	20°♌02'06	1°15'01
max. Earth dist.	-12353 May 04 j 13:25	19°♍07'27	1.38736 AU	max. Earth dist.	-12352 Apr 15 j 05:16	0°♍	
evening rise	-12353 May 08 j 16:17	26°♍21'52		evening rise	-12352 Apr 15 j 15:58	0°♍50'35	1.36951 AU
	-12353 May 10 j 19:25	0°♎			-12352 Apr 19 j 17:43	8°♍22'03	
	-12353 May 30 j 06:07	0°♎			-12352 May 02 j 13:54	0°♎	
desc. node	-12353 Jun 02 j 07:04	4°♎09'34		desc. node	-12352 May 19 j 04:32	23°♎23'38	
evening max el	-12353 Jun 13 j 04:59	17°♎13'05	24°18'13		-12352 May 25 j 00:51	0°♎	
retrograde	-12353 Jun 24 j 07:41	23°♎47'40		evening max el	-12352 May 25 j 14:34	0°♎34'34	25°34'49
evening set	-12353 Jun 29 j 19:25	21°♎24'34		retrograde	-12352 Jun 06 j 17:56	7°♎40'58	
min. Earth dist.	-12353 Jul 04 j 11:33	15°♎55'16	0.67082 AU	evening set	-12352 Jun 12 j 19:52	5°♎02'01	
inferior conj	-12353 Jul 05 j 01:14	15°♎08'52	-2°01'15	min. Earth dist.	-12352 Jun 17 j 02:44	0°♎11'40	0.66567 AU
minimum elong	-12353 Jul 05 j 03:19	15°♎01'47	2°00'26		-12352 Jun 17 j 06:20	30°R♎	
morning rise	-12353 Jul 10 j 11:09	9°♎00'06		inferior conj	-12352 Jun 18 j 04:51	28°♎46'33	-2°36'14
asc. node	-12353 Jul 12 j 02:25	8°♎02'16		minimum elong	-12352 Jun 18 j 07:07	28°♎39'11	2°35'43
direct	-12353 Jul 14 j 08:21	7°♎33'38		morning rise	-12352 Jun 23 j 18:24	22°♎48'39	
morning max el	-12353 Jul 22 j 11:56	12°♎23'13	20°41'01	direct	-12352 Jun 27 j 06:11	21°♎37'52	
	-12353 Aug 04 j 20:47	0°♏		asc. node	-12352 Jun 27 j 23:12	21°♎40'41	
morning set	-12353 Aug 19 j 22:06	22°♏52'14		morning max el	-12352 Jul 04 j 14:03	25°♎51'53	19°37'21
	-12353 Aug 24 j 11:10	0°♐			-12352 Jul 08 j 03:20	0°♐	
desc. node	-12353 Aug 29 j 03:42	7°♐28'50			-12352 Jul 28 j 04:46	0°♐	
max. Earth dist.	-12353 Aug 29 j 19:10	8°♐31'10	1.43275 AU	morning set	-12352 Jul 29 j 03:20	1°♐28'17	
				max. Earth dist.	-12352 Aug 11 j 09:25	22°♐20'32	1.44265 AU
superior conj	-12353 Sep 04 j 18:47	18°♐19'15	-0°39'02				
minimum elong	-12353 Sep 04 j 15:19	18°♐04'54	0°37'53	superior conj	-12352 Aug 14 j 13:56	27°♐25'46	0°02'46
	-12353 Sep 11 j 16:29	0°♑		minimum elong	-12352 Aug 14 j 14:19	27°♐27'18	0°03'21
evening rise	-12353 Sep 17 j 05:00	9°♑36'03		behind sun begin	-12352 Aug 14 j 03:28	26°♐43'52	
	-12353 Sep 29 j 08:09	0°♑		behind sun end	-12352 Aug 15 j 01:10	28°♐10'47	
evening max el	-12353 Oct 04 j 07:47	6°♑19'12	18°08'26	desc. node	-12352 Aug 15 j 00:59	28°♐10'03	
asc. node	-12353 Oct 08 j 02:30	9°♑10'14			-12352 Aug 16 j 04:22	0°♑	
retrograde	-12353 Oct 10 j 23:48	9°♑51'42		evening rise	-12352 Aug 29 j 01:09	21°♑05'43	
evening set	-12353 Oct 13 j 14:16	9°♑18'30			-12352 Sep 03 j 09:15	0°♑	
				evening max el	-12352 Sep 16 j 21:31	19°♑45'23	18°24'58

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

retrograde	-12352 Sep 23 j 12:38	23° ♄ 24'06		asc. node	-12351 Sep 10 j 20:45	5° ♄ 55'16	
asc. node	-12352 Sep 23 j 23:39	23° ♄ 22'57		inferior conj	-12351 Sep 16 j 04:54	0° ♄ 26'29	1°37'45
evening set	-12352 Sep 26 j 07:53	22° ♄ 41'38		minimum elong	-12351 Sep 16 j 02:40	0° ♄ 33'23	1°37'40
inferior conj	-12352 Oct 02 j 12:18	17° ♄ 08'12	2°28'58		-12351 Sep 16 j 13:29	30° ♄ II	
minimum elong	-12352 Oct 02 j 09:01	17° ♄ 17'32	2°28'38	min. Earth dist.	-12351 Sep 17 j 17:46	28° ♄ 32'59	0.65342 AU
min. Earth dist.	-12352 Oct 04 j 13:37	14° ♄ 48'22	0.64125 AU	morning rise	-12351 Sep 21 j 19:52	24° ♄ 12'31	
morning rise	-12352 Oct 08 j 09:26	11° ♄ 03'57		direct	-12351 Sep 28 j 04:50	21° ♄ 32'33	
direct	-12352 Oct 15 j 05:07	8° ♄ 20'45		morning max el	-12351 Oct 11 j 01:23	28° ♄ 58'16	26°33'44
morning max el	-12352 Oct 28 j 14:58	15° ♄ 52'40	27°18'30		-12351 Oct 12 j 01:48	0° ♄	
	-12352 Nov 09 j 10:38	0° ♄		desc. node	-12351 Oct 28 j 21:26	21° ♄ 42'05	
desc. node	-12352 Nov 11 j 00:43	2° ♄ 13'14			-12351 Nov 03 j 05:45	0° ♄	
	-12352 Nov 28 j 00:56	0° ♄		morning set	-12351 Nov 15 j 20:17	21° ♄ 59'56	
morning set	-12352 Dec 02 j 12:40	8° ♄ 33'01			-12351 Nov 19 j 23:37	0° ♄	
max. Earth dist.	-12352 Dec 07 j 12:06	18° ♄ 36'16	1.33993 AU	max. Earth dist.	-12351 Nov 20 j 04:11	0° ♄ 22'40	1.35184 AU
superior conj	-12352 Dec 10 j 11:04	24° ♄ 48'37	-1°21'43	superior conj	-12351 Nov 24 j 12:47	9° ♄ 11'56	-1°32'21
minimum elong	-12352 Dec 10 j 12:59	24° ♄ 58'48	1°21'27	minimum elong	-12351 Nov 24 j 14:07	9° ♄ 18'50	1°31'59
	-12352 Dec 12 j 21:33	0° ♄		evening rise	-12351 Dec 02 j 01:21	24° ♄ 51'40	
evening rise	-12352 Dec 17 j 16:17	10° ♄ 08'48			-12351 Dec 04 j 13:57	0° ♄	
asc. node	-12352 Dec 20 j 21:28	16° ♄ 43'49		asc. node	-12351 Dec 07 j 18:52	6° ♄ 13'29	
	-12352 Dec 28 j 03:16	0° ♄		evening max el	-12351 Dec 21 j 12:31	25° ♄ 59'29	20°58'18
evening max el	-12351 Jan 08 j 11:47	14° ♄ 46'14	22°25'40		-12351 Dec 27 j 05:33	0° ♄	
retrograde	-12351 Jan 21 j 04:05	20° ♄ 50'29		retrograde	-12350 Jan 01 j 18:43	1° ♄ 16'44	
evening set	-12351 Jan 24 j 10:44	20° ♄ 26'52		evening set	-12350 Jan 04 j 13:21	0° ♄ 58'40	
min. Earth dist.	-12351 Feb 01 j 21:41	16° ♄ 38'40	0.55530 AU		-12350 Jan 07 j 15:40	30° ♄ II	
inferior conj	-12351 Feb 02 j 12:42	16° ♄ 17'05	1°09'55	inferior conj	-12350 Jan 13 j 10:15	26° ♄ 59'39	2°46'16
minimum elong	-12351 Feb 02 j 15:37	16° ♄ 12'53	1°08'28	minimum elong	-12350 Jan 13 j 15:59	26° ♄ 51'20	2°44'29
desc. node	-12351 Feb 07 j 02:45	13° ♄ 49'15		min. Earth dist.	-12350 Jan 14 j 11:38	26° ♄ 22'49	0.55608 AU
morning rise	-12351 Feb 11 j 21:28	12° ♄ 13'08		morning rise	-12350 Jan 22 j 17:27	22° ♄ 42'41	
direct	-12351 Feb 14 j 06:17	12° ♄ 00'07		desc. node	-12350 Jan 24 j 23:29	22° ♄ 22'27	
morning max el	-12351 Feb 25 j 22:16	17° ♄ 34'43	21°03'20	direct	-12350 Jan 25 j 21:25	22° ♄ 20'34	
	-12351 Mar 07 j 11:24	0° ♄		morning max el	-12350 Feb 07 j 22:06	28° ♄ 42'59	22°32'53
morning set	-12351 Mar 17 j 10:01	18° ♄ 40'08			-12350 Feb 09 j 05:02	0° ♄	
asc. node	-12351 Mar 18 j 19:26	21° ♄ 32'24			-12350 Feb 28 j 02:47	0° ♄	
	-12351 Mar 22 j 21:04	0° ♄		morning set	-12350 Mar 01 j 20:40	3° ♄ 35'51	
				asc. node	-12350 Mar 05 j 16:32	11° ♄ 40'35	
superior conj	-12351 Mar 24 j 23:51	4° ♄ 22'18	0°54'36	superior conj	-12350 Mar 09 j 02:18	18° ♄ 54'33	0°31'27
minimum elong	-12351 Mar 24 j 21:34	4° ♄ 10'33	0°53'30	minimum elong	-12350 Mar 09 j 00:58	18° ♄ 47'31	0°30'28
max. Earth dist.	-12351 Mar 29 j 01:57	12° ♄ 38'01	1.35431 AU	max. Earth dist.	-12350 Mar 11 j 22:12	24° ♄ 49'46	1.34258 AU
evening rise	-12351 Apr 02 j 14:28	21° ♄ 23'09			-12350 Mar 14 j 10:55	0° ♄	
	-12351 Apr 07 j 07:16	0° ♄			-12350 Mar 17 j 01:22	5° ♄ 10'05	
	-12351 Apr 26 j 09:08	0° ♄		evening rise	-12350 Mar 31 j 00:28	0° ♄	
desc. node	-12351 May 06 j 01:58	11° ♄ 53'42			-12350 Apr 20 j 11:40	27° ♄ 04'49	27°16'34
evening max el	-12351 May 08 j 00:48	13° ♄ 54'11	26°36'59	evening max el	-12350 Apr 22 j 23:20	29° ♄ 21'59	
retrograde	-12351 May 20 j 23:33	21° ♄ 20'43		desc. node	-12350 Apr 23 j 17:29	0° ♄	
evening set	-12351 May 27 j 13:15	18° ♄ 34'00			-12350 Apr 23 j 17:29	0° ♄	
min. Earth dist.	-12351 May 31 j 12:17	14° ♄ 22'45	0.65667 AU	retrograde	-12350 May 03 j 23:51	4° ♄ 39'36	
inferior conj	-12351 Jun 02 j 04:10	12° ♄ 20'50	-3°03'22	evening set	-12350 May 10 j 20:49	1° ♄ 56'36	
minimum elong	-12351 Jun 02 j 06:09	12° ♄ 14'46	3°03'17		-12350 May 13 j 00:38	30° ♄ II	
morning rise	-12351 Jun 07 j 23:18	6° ♄ 36'27		min. Earth dist.	-12350 May 14 j 14:25	28° ♄ 20'54	0.64376 AU
direct	-12351 Jun 11 j 03:28	5° ♄ 39'21		inferior conj	-12350 May 16 j 20:50	25° ♄ 48'25	-3°20'24
asc. node	-12351 Jun 14 j 19:58	6° ♄ 51'42		minimum elong	-12350 May 16 j 21:58	25° ♄ 45'11	3°20'45
morning max el	-12351 Jun 17 j 21:59	9° ♄ 26'20	18°48'40	morning rise	-12350 May 22 j 23:44	20° ♄ 19'49	
	-12351 Jul 02 j 07:51	0° ♄		direct	-12350 May 25 j 21:52	19° ♄ 34'26	
morning set	-12351 Jul 09 j 01:15	10° ♄ 50'18		morning max el	-12350 Jun 01 j 10:00	23° ♄ 03'56	18°16'52
	-12351 Jul 21 j 00:51	0° ♄		asc. node	-12350 Jun 01 j 16:44	23° ♄ 21'06	
					-12350 Jun 06 j 21:47	0° ♄	
superior conj	-12351 Jul 24 j 15:24	5° ♄ 42'47	0°47'30	morning set	-12350 Jun 20 j 00:07	21° ♄ 21'25	
minimum elong	-12351 Jul 24 j 20:45	6° ♄ 03'59	0°47'19		-12350 Jun 25 j 04:08	0° ♄	
max. Earth dist.	-12351 Jul 25 j 01:45	6° ♄ 23'44	1.44580 AU				
desc. node	-12351 Aug 01 j 22:22	18° ♄ 50'20		superior conj	-12350 Jul 03 j 20:31	14° ♄ 12'10	1°23'39
	-12351 Aug 08 j 22:39	0° ♄		minimum elong	-12350 Jul 04 j 02:51	14° ♄ 37'39	1°23'19
evening rise	-12351 Aug 09 j 19:13	1° ♄ 22'11		max. Earth dist.	-12350 Jul 07 j 17:24	20° ♄ 24'11	1.44196 AU
	-12351 Aug 28 j 13:34	0° ♄			-12350 Jul 13 j 18:59	0° ♄	
evening max el	-12351 Aug 31 j 09:21	3° ♄ 15'16	18°58'54	desc. node	-12350 Jul 19 j 19:49	9° ♄ 26'47	
retrograde	-12351 Sep 07 j 06:35	7° ♄ 08'43		evening rise	-12350 Jul 20 j 10:36	10° ♄ 24'19	
evening set	-12351 Sep 10 j 08:58	6° ♄ 13'49		greatest brilliancy	-12350 Aug 01 j 13:00	29° ♄ 02'20	-0.7m

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12350 Aug 02 j 04:20	0°♊		evening max el	-12349 Jul 28 j 17:50	0°♊12'05	20°53'27
evening max el	-12350 Aug 14 j 16:47	16°♊45'15	19°48'59		-12349 Jul 28 j 13:08	0°♊	
retrograde	-12350 Aug 22 j 02:54	21°♊02'11		retrograde	-12349 Aug 05 j 23:27	5°♊01'42	
evening set	-12350 Aug 25 j 14:46	19°♊51'24		evening set	-12349 Aug 09 j 22:57	3°♊31'51	
asc. node	-12350 Aug 28 j 17:45	16°♊55'47			-12349 Aug 13 j 08:45	30°♊♌	
inferior conj	-12350 Aug 31 j 04:01	13°♊53'11	0°45'28	inferior conj	-12349 Aug 15 j 07:24	27°♊25'30	-0°05'40
minimum elong	-12350 Aug 31 j 02:59	13°♊56'36	0°45'47	minimum elong	-12349 Aug 15 j 07:31	27°♊25'09	0°05'00
min. Earth dist.	-12350 Sep 01 j 05:13	12°♊30'48	0.66259 AU	transit middle	-12349 Aug 15 j 07:31	27°♊25'09	0°05'00
morning rise	-12350 Sep 05 j 14:53	7°♊33'36		transit begin	-12349 Aug 15 j 04:55	27°♊33'58	
direct	-12350 Sep 11 j 10:27	5°♊05'05		transit end	-12349 Aug 15 j 10:06	27°♊16'19	
morning max el	-12350 Sep 23 j 11:20	12°♊11'55	25°27'13	asc. node	-12349 Aug 15 j 14:40	27°♊00'49	
	-12350 Oct 07 j 21:24	0°♊		min. Earth dist.	-12349 Aug 15 j 21:40	26°♊37'00	0.66872 AU
desc. node	-12350 Oct 15 j 18:13	11°♊37'48		morning rise	-12349 Aug 20 j 15:55	21°♊04'19	
	-12350 Oct 26 j 21:56	0°♊		direct	-12349 Aug 25 j 21:15	18°♊52'08	
morning set	-12350 Oct 29 j 11:49	4°♊34'39		morning max el	-12349 Sep 05 j 21:10	25°♊27'31	24°07'47
max. Earth dist.	-12350 Nov 02 j 09:43	11°♊46'33	1.36789 AU		-12349 Sep 10 j 00:08	0°♊	
					-12349 Oct 01 j 10:26	0°♊	
superior conj	-12350 Nov 08 j 06:12	23°♊05'57	-1°37'15	desc. node	-12349 Oct 02 j 15:06	1°♊52'42	
minimum elong	-12350 Nov 08 j 06:24	23°♊06'56	1°36'47	morning set	-12349 Oct 11 j 06:03	16°♊03'32	
	-12350 Nov 11 j 16:41	0°♊		max. Earth dist.	-12349 Oct 15 j 09:21	23°♊16'48	1.38693 AU
evening rise	-12350 Nov 16 j 06:41	9°♊18'16			-12349 Oct 19 j 02:23	0°♊	
asc. node	-12350 Nov 24 j 16:16	25°♊14'44					
	-12350 Nov 27 j 15:28	0°♊		superior conj	-12349 Oct 22 j 11:37	6°♊20'00	-1°34'40
evening max el	-12350 Dec 03 j 22:59	7°♊45'12	19°45'59	minimum elong	-12349 Oct 22 j 10:10	6°♊13'06	1°34'00
retrograde	-12350 Dec 13 j 15:25	12°♊18'47		evening rise	-12349 Oct 31 j 06:03	23°♊22'53	
evening set	-12350 Dec 16 j 05:13	12°♊00'56			-12349 Nov 03 j 16:03	0°♊	
inferior conj	-12350 Dec 24 j 15:26	7°♊55'45	3°51'17	asc. node	-12349 Nov 11 j 13:37	13°♊38'01	
minimum elong	-12350 Dec 24 j 19:48	7°♊48'49	3°50'33	evening max el	-12349 Nov 16 j 19:35	20°♊04'34	18°52'49
min. Earth dist.	-12350 Dec 27 j 00:54	6°♊24'57	0.56509 AU	retrograde	-12349 Nov 25 j 03:58	24°♊06'08	
morning rise	-12349 Jan 02 j 08:20	3°♊16'32		evening set	-12349 Nov 27 j 15:44	23°♊46'06	
direct	-12349 Jan 06 j 19:29	2°♊31'49		inferior conj	-12349 Dec 05 j 13:22	19°♊23'25	4°16'33
desc. node	-12349 Jan 11 j 20:08	3°♊29'45		minimum elong	-12349 Dec 05 j 14:01	19°♊22'14	4°16'42
morning max el	-12349 Jan 20 j 14:05	9°♊26'13	24°09'38	min. Earth dist.	-12349 Dec 08 j 15:20	17°♊10'00	0.58012 AU
	-12349 Feb 04 j 17:26	0°♊		morning rise	-12349 Dec 13 j 10:24	14°♊20'48	
morning set	-12349 Feb 14 j 09:01	18°♊39'20		direct	-12349 Dec 19 j 04:32	13°♊01'37	
	-12349 Feb 19 j 16:15	0°♊		desc. node	-12349 Dec 29 j 16:44	17°♊11'35	
asc. node	-12349 Feb 20 j 13:43	1°♊55'56		morning max el	-12348 Jan 02 j 05:05	20°♊12'25	25°40'07
					-12348 Jan 10 j 14:58	0°♊	
superior conj	-12349 Feb 21 j 09:48	3°♊44'12	0°07'54		-12348 Jan 28 j 02:02	0°♊	
minimum elong	-12349 Feb 21 j 09:29	3°♊42'33	0°07'10	morning set	-12348 Jan 29 j 21:16	3°♊44'06	
behind sun begin	-12349 Feb 21 j 04:53	3°♊17'42					
behind sun end	-12349 Feb 21 j 14:06	4°♊07'24		superior conj	-12348 Feb 05 j 20:21	18°♊44'26	-0°15'09
max. Earth dist.	-12349 Feb 23 j 03:32	7°♊28'06	1.33439 AU	minimum elong	-12348 Feb 05 j 20:59	18°♊47'54	0°15'36
evening rise	-12349 Feb 28 j 22:09	19°♊28'42		behind sun begin	-12348 Feb 05 j 20:19	18°♊44'19	
	-12349 Mar 06 j 08:29	0°♊		behind sun end	-12348 Feb 05 j 21:38	18°♊51'30	
	-12349 Mar 25 j 06:06	0°♊		max. Earth dist.	-12348 Feb 06 j 14:49	20°♊25'00	1.32953 AU
evening max el	-12349 Apr 02 j 21:13	9°♊54'08	27°27'03	asc. node	-12348 Feb 07 j 10:57	22°♊14'15	
desc. node	-12349 Apr 09 j 20:36	15°♊22'49			-12348 Feb 11 j 01:59	0°♊	
retrograde	-12349 Apr 16 j 17:47	17°♊28'29		evening rise	-12348 Feb 13 j 01:46	4°♊08'38	
evening set	-12349 Apr 23 j 15:19	15°♊02'13			-12348 Feb 27 j 03:32	0°♊	
min. Earth dist.	-12349 Apr 27 j 07:43	11°♊54'07	0.62723 AU	evening max el	-12348 Mar 15 j 02:58	22°♊11'04	27°04'50
inferior conj	-12349 Apr 30 j 03:54	9°♊02'57	-3°24'03	desc. node	-12348 Mar 26 j 17:44	29°♊24'23	
minimum elong	-12349 Apr 30 j 03:38	9°♊03'37	3°24'39	retrograde	-12348 Mar 29 j 04:14	29°♊40'03	
morning rise	-12349 May 06 j 17:12	3°♊52'16		evening set	-12348 Apr 04 j 17:29	27°♊41'55	
direct	-12349 May 09 j 10:26	3°♊16'56		min. Earth dist.	-12348 Apr 08 j 15:54	24°♊49'11	0.60811 AU
morning max el	-12349 May 15 j 23:46	6°♊39'17	18°03'01	inferior conj	-12348 Apr 11 j 22:01	21°♊57'11	-3°09'38
asc. node	-12349 May 19 j 13:28	10°♊52'28		minimum elong	-12348 Apr 11 j 20:00	22°♊01'40	3°10'06
	-12349 May 31 j 06:00	0°♊		morning rise	-12348 Apr 19 j 00:38	17°♊06'08	
morning set	-12349 Jun 01 j 22:56	3°♊00'20		direct	-12348 Apr 21 j 13:27	16°♊39'35	
				morning max el	-12348 Apr 28 j 12:49	20°♊06'35	18°07'47
superior conj	-12349 Jun 13 j 23:18	23°♊44'50	1°44'06	asc. node	-12348 May 05 j 10:15	29°♊12'18	
minimum elong	-12349 Jun 14 j 02:27	23°♊58'03	1°43'52		-12348 May 05 j 22:04	0°♊	
	-12349 Jun 17 j 17:42	0°♊		morning set	-12348 May 14 j 17:21	15°♊37'14	
max. Earth dist.	-12349 Jun 20 j 05:49	4°♊05'27	1.43164 AU		-12348 May 22 j 14:31	0°♊	
evening rise	-12349 Jun 29 j 10:59	18°♊44'33					
desc. node	-12349 Jul 06 j 17:21	29°♊55'38		superior conj	-12348 May 25 j 05:03	4°♊37'39	1°48'58
	-12349 Jul 06 j 18:30	0°♊		minimum elong	-12348 May 25 j 04:38	4°♊35'51	1°48'36

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

max. Earth dist.	-12348 Jun 01 j 12:59	17° H 12'30	1.41628 AU	minimum elong	-12347 May 07 j 08:05	16° \approx 31'57	1°41'17
evening rise	-12348 Jun 07 j 18:55	27° H 26'26		max. Earth dist.	-12347 May 14 j 14:36	29° \approx 36'26	1.39804 AU
	-12348 Jun 09 j 09:23	0° Y			-12347 May 14 j 20:01	0° H	
desc. node	-12348 Jun 22 j 14:53	20° Y 12'11		evening rise	-12347 May 19 j 03:20	7° H 21'05	
	-12348 Jun 29 j 11:58	0° B			-12347 Jun 02 j 11:02	0° Y	
evening max el	-12348 Jul 10 j 11:49	13° B 33'46	22°09'09	desc. node	-12347 Jun 09 j 12:25	10° Y 11'06	
retrograde	-12348 Jul 19 j 18:36	19° B 03'45		evening max el	-12347 Jun 23 j 00:06	26° Y 52'49	23°31'04
evening set	-12348 Jul 24 j 07:26	17° B 12'48			-12347 Jun 26 j 10:45	0° B	
inferior conj	-12348 Jul 29 j 13:07	11° B 00'50	-0°54'02	retrograde	-12347 Jul 03 j 11:07	3° B 05'44	
minimum elong	-12348 Jul 29 j 14:12	10° B 57'05	0°53'09	evening set	-12347 Jul 08 j 14:21	0° B 53'40	
min. Earth dist.	-12348 Jul 29 j 16:47	10° B 48'11	0.67190 AU		-12347 Jul 09 j 13:00	30° R Y	
asc. node	-12348 Aug 01 j 11:29	7° B 08'33		inferior conj	-12347 Jul 13 j 19:26	24° Y 38'28	-1°38'13
morning rise	-12348 Aug 03 j 20:54	4° B 41'43		minimum elong	-12347 Jul 13 j 21:15	24° Y 32'15	1°37'19
direct	-12348 Aug 08 j 12:29	2° B 47'47		min. Earth dist.	-12347 Jul 13 j 12:17	25° Y 03'07	0.67208 AU
morning max el	-12348 Aug 18 j 08:53	8° B 43'27	22°43'56	morning rise	-12347 Jul 19 j 04:06	18° Y 24'54	
	-12348 Sep 03 j 20:24	0° II		asc. node	-12347 Jul 19 j 08:16	18° Y 16'56	
desc. node	-12348 Sep 18 j 12:06	22° II 20'13		direct	-12347 Jul 23 j 07:24	16° Y 48'54	
morning set	-12348 Sep 20 j 22:30	26° II 16'04		morning max el	-12347 Aug 01 j 01:03	22° Y 02'22	21°23'23
	-12348 Sep 23 j 05:02	0° E			-12347 Aug 07 j 16:42	0° B	
max. Earth dist.	-12348 Sep 26 j 09:37	5° E 21'08	1.40667 AU		-12347 Aug 28 j 04:31	0° II	
				morning set	-12347 Aug 31 j 14:22	5° II 19'18	
superior conj	-12348 Oct 04 j 00:05	18° E 39'32	-1°22'25	desc. node	-12347 Sep 05 j 09:14	12° II 56'03	
minimum elong	-12348 Oct 03 j 20:50	18° E 24'54	1°21'27	max. Earth dist.	-12347 Sep 08 j 14:37	18° II 10'14	1.42438 AU
	-12348 Oct 10 j 03:55	0° Ω					
evening rise	-12348 Oct 13 j 20:36	6° Ω 57'23		superior conj	-12347 Sep 15 j 13:52	29° II 49'53	-0°58'28
	-12348 Oct 27 j 11:36	0° M		minimum elong	-12347 Sep 15 j 09:47	29° II 32'23	0°57'16
asc. node	-12348 Oct 28 j 10:55	1° M 10'42			-12347 Sep 15 j 16:15	0° E	
evening max el	-12348 Oct 30 j 00:34	2° M 51'39	18°20'00	evening rise	-12347 Sep 26 j 22:38	19° E 52'57	
retrograde	-12348 Nov 06 j 10:18	6° M 33'41			-12347 Oct 02 j 14:26	0° Ω	
evening set	-12348 Nov 08 j 21:30	6° M 10'06		evening max el	-12347 Oct 13 j 11:20	15° Ω 59'39	18°07'10
inferior conj	-12348 Nov 16 j 06:31	1° M 26'08	4°08'53	asc. node	-12347 Oct 15 j 08:09	17° Ω 38'20	
minimum elong	-12348 Nov 16 j 04:07	1° M 31'10	4°09'03	retrograde	-12347 Oct 20 j 07:33	19° Ω 32'57	
	-12348 Nov 17 j 23:22	30° R Ω		evening set	-12347 Oct 22 j 20:07	19° Ω 04'02	
min. Earth dist.	-12348 Nov 19 j 10:29	28° Ω 47'47	0.59811 AU	inferior conj	-12347 Oct 29 j 17:08	13° Ω 59'12	3°39'17
morning rise	-12348 Nov 23 j 09:07	26° Ω 02'18		minimum elong	-12347 Oct 29 j 13:24	14° Ω 08'08	3°39'07
direct	-12348 Nov 30 j 00:33	24° Ω 06'15		min. Earth dist.	-12347 Nov 01 j 13:46	11° Ω 15'42	0.61636 AU
	-12348 Dec 12 j 11:04	0° M		morning rise	-12347 Nov 05 j 05:25	8° Ω 17'17	
morning max el	-12348 Dec 14 j 00:55	1° M 26'46	26°49'38	direct	-12347 Nov 12 j 06:10	5° Ω 52'17	
desc. node	-12348 Dec 15 j 13:17	2° M 57'12		morning max el	-12347 Nov 26 j 03:11	13° Ω 20'05	27°27'47
	-12347 Jan 03 j 15:06	0° Ω		desc. node	-12347 Dec 02 j 09:52	20° Ω 14'27	
morning set	-12347 Jan 13 j 07:37	18° Ω 42'54			-12347 Dec 09 j 15:06	0° M	
	-12347 Jan 18 j 14:18	0° M			-12347 Dec 26 j 20:55	0° Ω	
				morning set	-12347 Dec 28 j 14:02	3° Ω 28'11	
superior conj	-12347 Jan 20 j 08:10	3° M 48'31	-0°36'54	max. Earth dist.	-12346 Jan 03 j 16:12	16° Ω 21'25	1.32954 AU
minimum elong	-12347 Jan 20 j 09:34	3° M 56'08	0°37'03				
max. Earth dist.	-12347 Jan 20 j 04:18	3° M 27'21	1.32784 AU	superior conj	-12346 Jan 04 j 19:37	18° Ω 50'11	-0°56'38
asc. node	-12347 Jan 24 j 08:16	12° M 31'07		minimum elong	-12346 Jan 04 j 21:31	19° Ω 00'27	0°56'33
evening rise	-12347 Jan 27 j 09:47	19° M 01'10			-12346 Jan 09 j 23:13	0° M	
	-12347 Feb 01 j 21:28	0° J		asc. node	-12346 Jan 11 j 05:38	2° M 41'52	
	-12347 Feb 21 j 11:06	0° B		evening rise	-12346 Jan 11 j 20:18	3° M 59'09	
evening max el	-12347 Feb 25 j 03:09	3° B 50'26	26°11'03		-12346 Jan 25 j 23:37	0° J	
retrograde	-12347 Mar 11 j 05:56	11° B 09'39		evening max el	-12346 Feb 06 j 22:16	14° J 57'38	24°52'11
desc. node	-12347 Mar 13 j 14:44	10° B 55'34		retrograde	-12346 Feb 20 j 20:46	21° J 57'56	
evening set	-12347 Mar 17 j 01:09	9° B 45'51		evening set	-12346 Feb 25 j 14:55	21° J 06'03	
min. Earth dist.	-12347 Mar 21 j 16:27	6° B 53'51	0.58832 AU	desc. node	-12346 Feb 28 j 11:38	19° J 49'09	
inferior conj	-12347 Mar 24 j 23:35	4° B 22'53	-2°31'15	min. Earth dist.	-12346 Mar 03 j 11:55	18° J 01'35	0.57081 AU
minimum elong	-12347 Mar 24 j 20:13	4° B 29'21	2°31'19	inferior conj	-12346 Mar 06 j 05:46	16° J 12'17	-1°24'01
	-12347 Apr 01 j 07:13	30° R J		minimum elong	-12346 Mar 06 j 02:54	16° J 17'05	1°23'56
morning rise	-12347 Apr 01 j 18:20	29° J 51'54		morning rise	-12346 Mar 14 j 18:08	11° J 58'33	
direct	-12347 Apr 04 j 02:37	29° J 32'47		direct	-12346 Mar 16 j 22:24	11° J 44'47	
	-12347 Apr 06 j 20:04	0° B		morning max el	-12346 Mar 26 j 01:13	16° J 03'58	19°15'17
morning max el	-12347 Apr 11 j 22:20	3° B 18'16	18°31'44		-12346 Apr 05 j 01:36	0° B	
asc. node	-12347 Apr 22 j 07:08	18° B 09'52		asc. node	-12346 Apr 09 j 04:05	7° B 35'43	
morning set	-12347 Apr 28 j 02:45	29° B 01'40		morning set	-12346 Apr 11 j 23:00	13° B 02'46	
	-12347 Apr 28 j 14:55	0° \approx					
				superior conj	-12346 Apr 20 j 10:14	29° B 46'13	1°27'01
superior conj	-12347 May 07 j 10:33	16° \approx 43'23	1°41'57	minimum elong	-12346 Apr 20 j 07:09	29° B 31'21	1°26'03

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12346 Apr 20 j 13:04	0°♊		asc. node	-12345 Mar 27 j 01:08	27°♊22'59	
max. Earth dist.	-12346 Apr 26 j 14:35	11°♊25'52	1.37947 AU		-12345 Mar 28 j 07:59	0°♊	
evening rise	-12346 Apr 30 j 15:05	18°♊38'57					
	-12346 May 07 j 07:16	0°♋		superior conj	-12345 Apr 03 j 23:13	13°♋32'48	1°07'16
desc. node	-12346 May 27 j 09:55	29°♋44'20		minimum elong	-12345 Apr 03 j 20:29	13°♋19'02	1°06'10
	-12346 May 27 j 14:47	0°♌		max. Earth dist.	-12345 Apr 08 j 19:50	23°♋08'29	1.36273 AU
evening max el	-12346 Jun 05 j 09:50	10°♌12'52	24°52'06		-12345 Apr 12 j 10:49	0°♌	
retrograde	-12346 Jun 16 j 23:56	17°♌03'05		evening rise	-12345 Apr 13 j 01:35	1°♌08'10	
evening set	-12346 Jun 22 j 17:45	14°♌32'36			-12345 Apr 30 j 09:32	0°♋	
min. Earth dist.	-12346 Jun 27 j 05:47	9°♌19'26	0.66900 AU	desc. node	-12345 May 14 j 07:21	18°♋41'41	
inferior conj	-12346 Jun 28 j 00:35	8°♌16'31	-2°16'58	evening max el	-12345 May 18 j 19:50	23°♋35'11	26°03'34
minimum elong	-12346 Jun 28 j 02:47	8°♌09'07	2°16'16		-12345 May 27 j 11:32	0°♌	
morning rise	-12346 Jul 03 j 11:48	2°♌11'48		retrograde	-12345 May 31 j 08:16	0°♌51'14	
asc. node	-12346 Jul 06 j 05:03	0°♌57'49			-12345 Jun 03 j 22:09	30°♌	
direct	-12346 Jul 07 j 04:41	0°♌52'19		evening set	-12345 Jun 06 j 15:29	28°♌08'08	
morning max el	-12346 Jul 14 j 23:19	5°♌26'20	20°12'12	min. Earth dist.	-12345 Jun 10 j 18:56	23°♌34'17	0.66234 AU
	-12346 Aug 01 j 18:36	0°♍		inferior conj	-12345 Jun 12 j 02:39	21°♌53'25	-2°48'50
morning set	-12346 Aug 10 j 17:37	13°♍48'20		minimum elong	-12345 Jun 12 j 04:52	21°♌46'24	2°48'30
	-12346 Aug 21 j 00:30	0°♎		morning rise	-12345 Jun 17 j 18:18	16°♌00'40	
max. Earth dist.	-12346 Aug 22 j 01:23	1°♎39'28	1.43766 AU	direct	-12345 Jun 21 j 02:41	14°♌55'48	
desc. node	-12346 Aug 23 j 06:29	3°♎36'13		asc. node	-12345 Jun 23 j 01:50	15°♌17'01	
				morning max el	-12345 Jun 28 j 03:58	18°♌57'13	19°14'34
superior conj	-12346 Aug 27 j 00:24	9°♎40'19	-0°22'18		-12345 Jul 06 j 15:11	0°♌	
minimum elong	-12346 Aug 26 j 22:10	9°♎31'14	0°21'20	morning set	-12345 Jul 21 j 04:09	22°♌38'56	
	-12346 Sep 08 j 03:51	0°♏			-12345 Jul 25 j 19:47	0°♍	
evening rise	-12346 Sep 09 j 07:14	1°♏57'22		max. Earth dist.	-12345 Aug 04 j 16:49	15°♍36'35	1.44485 AU
evening max el	-12346 Sep 27 j 00:54	29°♏21'23	18°13'23				
	-12346 Sep 27 j 16:44	0°♐		superior conj	-12345 Aug 06 j 09:58	18°♐19'47	0°22'04
asc. node	-12346 Oct 02 j 05:19	2°♐44'44		minimum elong	-12345 Aug 06 j 12:39	18°♐30'25	0°22'17
retrograde	-12346 Oct 03 j 15:40	2°♐55'22		desc. node	-12345 Aug 10 j 03:49	24°♐17'26	
evening set	-12346 Oct 06 j 07:53	2°♐18'39			-12345 Aug 13 j 17:18	0°♑	
	-12346 Oct 09 j 16:19	30°♑		evening rise	-12345 Aug 21 j 16:44	12°♑56'47	
inferior conj	-12346 Oct 12 j 17:58	26°♑55'05	2°56'48		-12345 Sep 01 j 04:53	0°♏	
minimum elong	-12346 Oct 12 j 14:16	27°♑04'59	2°56'26	evening max el	-12345 Sep 10 j 14:14	12°♑50'02	18°37'29
min. Earth dist.	-12346 Oct 15 j 02:48	24°♑23'07	0.63290 AU	retrograde	-12345 Sep 17 j 06:57	16°♑33'35	
morning rise	-12346 Oct 18 j 19:45	20°♑58'14		asc. node	-12345 Sep 19 j 02:27	16°♑15'14	
direct	-12346 Oct 25 j 19:37	18°♑17'39		evening set	-12345 Sep 20 j 05:03	15°♑46'07	
morning max el	-12346 Nov 08 j 10:25	25°♑49'30	27°31'24	inferior conj	-12345 Sep 26 j 05:39	10°♑06'30	2°07'32
	-12346 Nov 12 j 09:17	0°♒		minimum elong	-12345 Sep 26 j 02:46	10°♑14'59	2°07'17
desc. node	-12346 Nov 19 j 06:32	8°♒37'29		min. Earth dist.	-12345 Sep 28 j 01:35	7°♑57'16	0.64678 AU
	-12346 Dec 03 j 00:55	0°♓		morning rise	-12345 Oct 01 j 23:54	3°♑57'59	
morning set	-12346 Dec 12 j 14:10	17°♓51'49		direct	-12345 Oct 08 j 15:39	1°♑14'55	
max. Earth dist.	-12346 Dec 17 j 23:00	28°♓55'48	1.33494 AU	morning max el	-12345 Oct 21 j 20:14	8°♑44'50	27°02'44
	-12346 Dec 18 j 11:07	0°♈		desc. node	-12345 Nov 06 j 03:14	27°♑46'26	
					-12345 Nov 07 j 15:30	0°♒	
superior conj	-12346 Dec 20 j 04:59	3°♈43'27	-1°13'34		-12345 Nov 25 j 07:31	0°♓	
minimum elong	-12346 Dec 20 j 07:00	3°♈54'21	1°13'21	morning set	-12345 Nov 26 j 04:51	1°♓42'29	
evening rise	-12346 Dec 27 j 07:36	18°♈56'44		max. Earth dist.	-12345 Nov 30 j 21:12	11°♓00'29	1.34446 AU
asc. node	-12346 Dec 29 j 03:01	22°♈41'52					
	-12345 Jan 01 j 19:25	0°♉		superior conj	-12345 Dec 04 j 10:08	18°♉19'54	-1°26'50
evening max el	-12345 Jan 19 j 15:43	25°♉50'44	23°19'47	minimum elong	-12345 Dec 04 j 11:52	18°♉29'01	1°26'31
	-12345 Jan 25 j 02:19	0°♊			-12345 Dec 09 j 22:41	0°♈	
retrograde	-12345 Feb 01 j 22:48	2°♊18'22		evening rise	-12345 Dec 11 j 17:58	3°♈46'45	
evening set	-12345 Feb 05 j 16:22	1°♊47'55		asc. node	-12345 Dec 16 j 00:24	12°♈24'38	
	-12345 Feb 10 j 04:29	30°♉			-12345 Dec 26 j 12:59	0°♉	
min. Earth dist.	-12345 Feb 13 j 04:23	28°♉19'48	0.55880 AU	evening max el	-12344 Jan 01 j 12:18	6°♉50'39	21°47'08
inferior conj	-12345 Feb 14 j 17:11	27°♉25'03	0°09'43	retrograde	-12344 Jan 13 j 14:45	12°♉34'36	
minimum elong	-12345 Feb 14 j 17:34	27°♉24'29	0°09'00	evening set	-12344 Jan 16 j 15:26	12°♉14'07	
transit middle	-12345 Feb 14 j 17:34	27°♉24'29	0°09'00	inferior conj	-12344 Jan 25 j 16:16	8°♉11'21	1°53'11
transit begin	-12345 Feb 14 j 14:15	27°♉29'26		minimum elong	-12344 Jan 25 j 20:48	8°♉04'53	1°51'24
transit end	-12345 Feb 14 j 20:53	27°♉19'33		min. Earth dist.	-12344 Jan 25 j 18:41	8°♉07'54	0.55465 AU
desc. node	-12345 Feb 15 j 08:28	27°♉02'21		desc. node	-12344 Feb 02 j 05:15	4°♉32'44	
morning rise	-12345 Feb 23 j 20:45	23°♉20'52		morning rise	-12344 Feb 04 j 02:09	4°♉03'46	
direct	-12345 Feb 26 j 01:16	23°♉08'56		direct	-12344 Feb 06 j 17:33	3°♉48'03	
morning max el	-12345 Mar 08 j 18:32	28°♉14'30	20°18'27	morning max el	-12344 Feb 19 j 00:27	9°♉43'45	21°39'44
	-12345 Mar 10 j 11:52	0°♊			-12344 Mar 04 j 05:34	0°♊	
morning set	-12345 Mar 27 j 02:54	27°♊31'56		morning set	-12344 Mar 10 j 11:43	12°♊20'11	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

asc. node	-12344 Mar 12 j 22:13	17° ♁ 25'01		morning set	-12343 Feb 22 j 23:18	27° ♁ 20'13	
					-12343 Feb 24 j 05:41	0° ♁	
superior conj	-12344 Mar 17 j 21:36	27° ♁ 50'55	0°44'54	asc. node	-12343 Feb 27 j 19:20	7° ♁ 36'53	
minimum elong	-12344 Mar 17 j 19:42	27° ♁ 41'01	0°43'50				
	-12344 Mar 18 j 22:30	0° ♁		superior conj	-12343 Mar 02 j 02:26	12° ♁ 31'33	0°21'27
max. Earth dist.	-12344 Mar 21 j 10:30	5° ♁ 06'51	1.34899 AU	minimum elong	-12343 Mar 02 j 01:33	12° ♁ 26'47	0°20'34
evening rise	-12344 Mar 26 j 04:57	14° ♁ 30'50		max. Earth dist.	-12343 Mar 04 j 10:58	17° ♁ 30'43	1.33871 AU
	-12344 Apr 03 j 17:41	0° ♁		evening rise	-12343 Mar 09 j 20:27	28° ♁ 32'22	
	-12344 Apr 24 j 01:17	0° ♁			-12343 Mar 10 j 14:13	0° ♁	
desc. node	-12344 Apr 30 j 04:44	6° ♁ 48'18			-12343 Mar 27 j 22:05	0° ♁	
evening max el	-12344 Apr 30 j 06:40	6° ♁ 53'04	26°56'57	evening max el	-12343 Apr 12 j 17:05	19° ♁ 55'34	27°24'44
retrograde	-12344 May 13 j 11:29	14° ♁ 23'24		desc. node	-12343 Apr 17 j 02:03	23° ♁ 43'03	
evening set	-12344 May 20 j 05:04	11° ♁ 36'53		retrograde	-12343 Apr 26 j 09:06	27° ♁ 30'57	
min. Earth dist.	-12344 May 24 j 01:30	7° ♁ 41'28	0.65173 AU	evening set	-12343 May 03 j 07:28	24° ♁ 53'09	
inferior conj	-12344 May 25 j 23:29	5° ♁ 25'46	-3°12'01	min. Earth dist.	-12343 May 06 j 23:46	21° ♁ 30'50	0.63718 AU
minimum elong	-12344 May 26 j 01:11	5° ♁ 20'44	3°12'07	inferior conj	-12343 May 09 j 12:25	18° ♁ 48'24	-3°23'51
morning rise	-12344 May 31 j 21:37	29° ♁ 47'48		minimum elong	-12343 May 09 j 13:02	18° ♁ 46'44	3°24'20
	-12344 May 31 j 13:21	30° ♁		morning rise	-12343 May 15 j 19:27	13° ♁ 27'30	
direct	-12344 Jun 03 j 23:10	28° ♁ 55'45		direct	-12343 May 18 j 15:25	12° ♁ 46'35	
	-12344 Jun 07 j 10:36	0° ♁		morning max el	-12343 May 25 j 03:00	16° ♁ 11'25	18°08'45
asc. node	-12344 Jun 08 j 22:35	1° ♁ 03'41		asc. node	-12343 May 26 j 19:19	18° ♁ 01'23	
morning max el	-12344 Jun 10 j 13:53	2° ♁ 33'40	18°32'59		-12343 Jun 03 j 23:07	0° ♁	
	-12344 Jun 28 j 23:50	0° ♁		morning set	-12343 Jun 11 j 21:52	13° ♁ 30'58	
morning set	-12344 Jun 30 j 12:27	2° ♁ 30'12			-12343 Jun 21 j 15:47	0° ♁	
superior conj	-12344 Jul 15 j 10:07	26° ♁ 33'55	1°04'31	superior conj	-12343 Jun 24 j 22:59	5° ♁ 26'06	1°34'25
minimum elong	-12344 Jul 15 j 16:34	26° ♁ 59'32	1°04'11	minimum elong	-12343 Jun 25 j 04:14	5° ♁ 47'36	1°34'07
max. Earth dist.	-12344 Jul 17 j 09:50	29° ♁ 43'17	1.44504 AU	max. Earth dist.	-12343 Jun 30 j 00:40	13° ♁ 38'38	1.43828 AU
	-12344 Jul 17 j 14:03	0° ♁			-12343 Jul 10 j 09:25	0° ♁	
desc. node	-12344 Jul 27 j 01:13	14° ♁ 56'44		evening rise	-12343 Jul 11 j 05:44	1° ♁ 18'57	
evening rise	-12344 Jul 31 j 23:03	22° ♁ 41'04		desc. node	-12343 Jul 13 j 22:41	5° ♁ 30'27	
	-12344 Aug 05 j 14:33	0° ♁			-12343 Jul 30 j 08:02	0° ♁	
evening max el	-12344 Aug 24 j 00:29	26° ♁ 20'36	19°18'20	evening max el	-12343 Aug 07 j 05:15	9° ♁ 48'54	20°14'45
	-12344 Aug 29 j 01:18	0° ♁		retrograde	-12343 Aug 14 j 22:59	14° ♁ 19'04	
retrograde	-12344 Aug 31 j 02:14	0° ♁		evening set	-12343 Aug 18 j 15:31	13° ♁ 00'28	
	-12344 Sep 02 j 01:56	30° ♁		asc. node	-12343 Aug 22 j 20:26	8° ♁ 37'06	
evening set	-12344 Sep 03 j 08:28	29° ♁ 21'23		inferior conj	-12343 Aug 24 j 02:27	6° ♁ 58'12	0°23'30
asc. node	-12344 Sep 04 j 23:29	28° ♁ 06'22		minimum elong	-12343 Aug 24 j 01:55	6° ♁ 59'59	0°23'59
inferior conj	-12344 Sep 09 j 01:18	23° ♁ 28'51	1°15'32	min. Earth dist.	-12343 Aug 24 j 22:52	5° ♁ 50'05	0.66552 AU
minimum elong	-12344 Sep 08 j 23:34	23° ♁ 34'21	1°15'37	morning rise	-12343 Aug 29 j 12:06	0° ♁ 37'17	
min. Earth dist.	-12344 Sep 10 j 08:58	21° ♁ 48'30	0.65766 AU		-12343 Aug 30 j 06:37	30° ♁	
morning rise	-12344 Sep 14 j 14:18	17° ♁ 12'10		direct	-12343 Sep 04 j 01:28	28° ♁ 15'32	
direct	-12344 Sep 20 j 17:42	14° ♁ 36'36			-12343 Sep 09 j 09:56	0° ♁	
morning max el	-12344 Oct 03 j 06:37	21° ♁ 55'20	26°07'45	morning max el	-12343 Sep 15 j 16:33	5° ♁ 10'53	24°54'31
	-12344 Oct 10 j 10:22	0° ♁			-12343 Oct 04 j 22:05	0° ♁	
desc. node	-12344 Oct 22 j 24:00	17° ♁ 28'04		desc. node	-12343 Oct 09 j 20:49	7° ♁ 32'36	
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morning set	-12344 Nov 08 j 06:11	14° ♁ 48'36			-12343 Oct 23 j 06:31	0° ♁	
max. Earth dist.	-12344 Nov 12 j 08:55	22° ♁ 36'30	1.35822 AU	max. Earth dist.	-12343 Oct 25 j 11:13	3° ♁ 59'05	1.37570 AU
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superior conj	-12344 Nov 17 j 08:40	2° ♁ 31'39	-1°35'13	superior conj	-12343 Oct 31 j 21:25	16° ♁ 09'21	-1°37'11
minimum elong	-12344 Nov 17 j 09:35	2° ♁ 36'22	1°34'50	minimum elong	-12343 Oct 31 j 20:58	16° ♁ 07'10	1°36'40
evening rise	-12344 Nov 25 j 01:40	18° ♁ 23'30			-12343 Nov 07 j 20:31	0° ♁	
	-12344 Nov 30 j 23:14	0° ♁		evening rise	-12343 Nov 09 j 04:43	2° ♁ 41'05	
asc. node	-12344 Dec 01 j 21:47	1° ♁ 43'16		asc. node	-12343 Nov 18 j 19:08	20° ♁ 29'31	
evening max el	-12344 Dec 13 j 16:45	18° ♁ 16'04	20°25'19		-12343 Nov 26 j 00:57	0° ♁	
retrograde	-12344 Dec 24 j 06:40	23° ♁ 14'08		evening max el	-12343 Nov 26 j 07:29	0° ♁ 15'45	19°20'56
evening set	-12344 Dec 26 j 22:45	22° ♁ 56'29		retrograde	-12343 Dec 05 j 09:36	4° ♁ 34'36	
inferior conj	-12343 Jan 04 j 15:28	18° ♁ 56'14	3°18'39	evening set	-12343 Dec 07 j 22:06	4° ♁ 16'10	
minimum elong	-12343 Jan 04 j 21:07	18° ♁ 47'46	3°17'13	inferior conj	-12343 Dec 16 j 03:02	0° ♁ 04'28	4°06'43
min. Earth dist.	-12343 Jan 06 j 07:52	17° ♁ 55'55	0.55903 AU	minimum elong	-12343 Dec 16 j 05:54	29° ♁ 59'39	4°06'28
morning rise	-12343 Jan 13 j 17:55	14° ♁ 30'43			-12343 Dec 16 j 05:42	30° ♁	
direct	-12343 Jan 17 j 10:06	14° ♁ 01'01		min. Earth dist.	-12343 Dec 18 j 21:28	28° ♁ 13'34	0.57082 AU
desc. node	-12343 Jan 19 j 01:57	14° ♁ 07'17		morning rise	-12343 Dec 24 j 11:35	25° ♁ 14'42	
morning max el	-12343 Jan 30 j 20:17	20° ♁ 38'32	23°13'52	direct	-12343 Dec 29 j 12:22	24° ♁ 16'30	
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					-12342 Jan 11 j 00:05	0° ♁	




































































































































Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning max el	-12342 Jan 12 j 11:09	1° Ω 20'05	24°49'54	desc. node	-12342 Dec 23 j 19:10	11° \cap 00'41	
	-12342 Feb 01 j 07:02	0° \cap		morning max el	-12342 Dec 25 j 03:34	12° \cap 15'17	26°13'05
morning set	-12342 Feb 07 j 11:49	12° \cap 25'31			-12341 Jan 08 j 01:39	0° Ω	
				morning set	-12341 Jan 22 j 23:28	27° Ω 28'22	
superior conj	-12342 Feb 14 j 11:29	27° \cap 27'09	-0°02'00		-12341 Jan 24 j 04:14	0° \cap	
minimum elong	-12342 Feb 14 j 11:36	27° \cap 27'45	0°02'37				
behind sun begin	-12342 Feb 14 j 06:34	27° \cap 00'32		superior conj	-12341 Jan 29 j 22:47	12° \cap 29'55	-0°24'35
behind sun end	-12342 Feb 14 j 16:37	27° \cap 54'58		minimum elong	-12341 Jan 29 j 23:46	12° \cap 35'17	0°24'53
asc. node	-12342 Feb 14 j 16:34	27° \cap 54'38		max. Earth dist.	-12341 Jan 30 j 07:35	13° \cap 17'56	1.32832 AU
	-12342 Feb 15 j 15:46	0° Υ		asc. node	-12341 Feb 01 j 13:48	18° \cap 12'51	
max. Earth dist.	-12342 Feb 15 j 19:07	0° Υ 18'01	1.33184 AU	evening rise	-12341 Feb 06 j 02:11	27° \cap 47'54	
evening rise	-12342 Feb 21 j 20:27	13° Υ 01'35			-12341 Feb 07 j 03:53	0° Υ	
	-12342 Mar 02 j 18:27	0° Υ			-12341 Feb 24 j 06:18	0° Υ	
	-12342 Mar 23 j 13:37	0° \approx		evening max el	-12341 Mar 08 j 04:44	14° Υ 34'08	26°45'45
evening max el	-12342 Mar 26 j 01:07	2° \approx 32'21	27°21'38	desc. node	-12341 Mar 21 j 20:19	21° Υ 59'19	
desc. node	-12342 Apr 03 j 23:15	8° \approx 58'09		retrograde	-12341 Mar 22 j 07:32	21° Υ 59'53	
retrograde	-12342 Apr 09 j 00:19	10° \approx 05'53		evening set	-12341 Mar 28 j 13:59	20° Υ 16'20	
evening set	-12342 Apr 15 j 19:29	7° \approx 50'06		min. Earth dist.	-12341 Apr 01 j 18:09	17° Υ 25'22	0.59959 AU
min. Earth dist.	-12342 Apr 19 j 13:11	4° \approx 50'20	0.61931 AU	inferior conj	-12341 Apr 05 j 01:59	14° Υ 39'35	-2°56'41
inferior conj	-12342 Apr 22 j 14:27	1° \approx 55'56	-3°20'31	minimum elong	-12341 Apr 04 j 23:16	14° Υ 45'16	2°57'01
minimum elong	-12342 Apr 22 j 13:27	1° \approx 58'19	3°21'06	morning rise	-12341 Apr 12 j 11:08	9° Υ 56'54	
	-12342 Apr 24 j 16:34	30° \cap		direct	-12341 Apr 14 j 21:55	9° Υ 33'46	
morning rise	-12342 Apr 29 j 09:05	26° Υ 53'41		morning max el	-12341 Apr 22 j 04:47	13° Υ 07'16	18°15'31
direct	-12342 May 02 j 00:17	26° Υ 22'25		asc. node	-12341 Apr 30 j 12:56	24° Υ 32'57	
morning max el	-12342 May 08 j 16:54	29° Υ 45'21	18°02'42		-12341 May 03 j 15:37	0° \approx	
	-12342 May 08 j 22:49	0° \approx		morning set	-12341 May 08 j 07:03	8° \approx 35'11	
asc. node	-12342 May 13 j 16:05	5° \approx 55'34					
morning set	-12342 May 25 j 05:40	25° \approx 36'20		superior conj	-12341 May 18 j 05:53	26° \approx 59'19	1°47'10
	-12342 May 27 j 16:27	0° Υ		minimum elong	-12341 May 18 j 04:23	26° \approx 52'37	1°46'43
					-12341 May 19 j 22:18	0° Υ	
superior conj	-12342 Jun 05 j 13:23	15° Υ 33'48	1°47'53	max. Earth dist.	-12341 May 25 j 14:49	9° Υ 53'15	1.40880 AU
minimum elong	-12342 Jun 05 j 14:54	15° Υ 40'17	1°47'38	evening rise	-12341 May 30 j 23:45	18° Υ 50'09	
max. Earth dist.	-12342 Jun 12 j 10:30	27° Υ 05'21	1.42562 AU		-12341 Jun 06 j 24:00	0° Υ	
	-12342 Jun 14 j 05:17	0° Υ		desc. node	-12341 Jun 17 j 17:43	16° Υ 04'35	
evening rise	-12342 Jun 20 j 06:30	9° Υ 40'21			-12341 Jun 28 j 00:22	0° Υ	
desc. node	-12342 Jun 30 j 20:12	25° Υ 54'45		evening max el	-12341 Jul 03 j 18:37	6° Υ 34'20	22°43'39
	-12342 Jul 03 j 14:08	0° Υ		retrograde	-12341 Jul 13 j 13:18	12° Υ 22'25	
evening max el	-12342 Jul 21 j 03:11	23° Υ 13'19	21°24'29	evening set	-12341 Jul 18 j 08:07	10° Υ 22'36	
retrograde	-12342 Jul 29 j 19:11	28° Υ 19'52		inferior conj	-12341 Jul 23 j 13:18	4° Υ 09'12	-1°13'21
evening set	-12342 Aug 03 j 00:03	26° Υ 41'24		minimum elong	-12341 Jul 23 j 14:44	4° Υ 04'16	1°12'26
inferior conj	-12342 Aug 08 j 07:05	20° Υ 32'17	-0°26'36	min. Earth dist.	-12341 Jul 23 j 12:31	4° Υ 11'55	0.67241 AU
minimum elong	-12342 Aug 08 j 07:38	20° Υ 30'24	0°25'50		-12341 Jul 26 j 17:38	30° \cap	
min. Earth dist.	-12342 Aug 08 j 16:53	19° Υ 58'37	0.67045 AU	asc. node	-12341 Jul 27 j 14:08	29° Υ 03'50	
asc. node	-12342 Aug 09 j 17:18	18° Υ 35'41		morning rise	-12341 Jul 28 j 21:15	27° Υ 51'55	
morning rise	-12342 Aug 13 j 15:04	14° Υ 11'14		direct	-12341 Aug 02 j 07:30	26° Υ 05'28	
direct	-12342 Aug 18 j 14:23	12° Υ 06'37			-12341 Aug 09 j 21:35	0° Υ	
morning max el	-12342 Aug 29 j 02:51	18° Υ 26'26	23°31'59	morning max el	-12341 Aug 11 j 16:02	1° Υ 42'56	22°08'44
	-12342 Sep 07 j 18:23	0° \cap			-12341 Sep 01 j 17:55	0° \cap	
desc. node	-12342 Sep 26 j 17:46	27° \cap 53'22		morning set	-12341 Sep 13 j 02:10	17° \cap 34'25	
	-12342 Sep 28 j 01:25	0° \cap		desc. node	-12341 Sep 13 j 14:49	18° \cap 25'09	
morning set	-12342 Oct 02 j 20:51	7° \cap 53'30		max. Earth dist.	-12341 Sep 19 j 11:34	28° \cap 01'22	1.41462 AU
max. Earth dist.	-12342 Oct 07 j 09:43	15° \cap 38'14	1.39537 AU		-12341 Sep 20 j 15:53	0° \cap	
superior conj	-12342 Oct 14 j 20:14	29° \cap 01'37	-1°30'47	superior conj	-12341 Sep 26 j 23:52	10° \cap 54'28	-1°13'48
minimum elong	-12342 Oct 14 j 18:00	28° \cap 51'13	1°30'00	minimum elong	-12341 Sep 26 j 20:03	10° \cap 37'39	1°12'42
	-12342 Oct 15 j 08:47	0° \cap		evening rise	-12341 Oct 07 j 10:27	29° \cap 52'50	
evening rise	-12342 Oct 24 j 00:41	16° \cap 33'19			-12341 Oct 07 j 12:00	0° \cap	
	-12342 Oct 31 j 05:37	0° \cap		evening max el	-12341 Oct 23 j 15:54	25° \cap 45'38	18°12'12
asc. node	-12342 Nov 05 j 16:28	8° \cap 32'47		asc. node	-12341 Oct 23 j 13:45	25° \cap 40'15	
evening max el	-12342 Nov 09 j 07:58	12° \cap 47'48	18°36'27	retrograde	-12341 Oct 30 j 18:35	29° \cap 22'20	
retrograde	-12342 Nov 17 j 05:33	16° \cap 39'19		evening set	-12341 Nov 02 j 06:17	28° \cap 56'35	
evening set	-12342 Nov 19 j 16:51	16° \cap 18'02		inferior conj	-12341 Nov 09 j 10:04	24° \cap 03'35	3°58'26
inferior conj	-12342 Nov 27 j 09:06	11° \cap 46'52	4°16'42	minimum elong	-12341 Nov 09 j 06:54	24° \cap 10'37	3°58'26
minimum elong	-12342 Nov 27 j 08:16	11° \cap 48'29	4°16'56	min. Earth dist.	-12341 Nov 12 j 11:48	21° \cap 20'51	0.60601 AU
min. Earth dist.	-12342 Nov 30 j 13:41	9° \cap 20'03	0.58753 AU	morning rise	-12341 Nov 16 j 06:07	18° \cap 32'03	
morning rise	-12342 Dec 04 j 21:49	6° \cap 34'51		direct	-12341 Nov 23 j 03:08	16° \cap 22'13	
direct	-12342 Dec 11 j 02:40	4° \cap 59'08		morning max el	-12341 Dec 07 j 01:58	23° \cap 45'23	27°10'03

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

desc. node	-12341 Dec 10 j 15:47	27° Ω 29'16			-12340 Nov 10 j 10:05	0° Ω	
	-12341 Dec 12 j 19:24	0° \mathbb{M}	morning max el		-12340 Nov 18 j 06:41	5° Ω 54'56	27°33'34
	-12340 Jan 01 j 02:21	0° $\underline{\Omega}$	desc. node		-12340 Nov 26 j 12:25	15° Ω 16'58	
morning set	-12340 Jan 07 j 08:23	12° $\underline{\Omega}$ 22'15			-12340 Dec 06 j 16:06	0° \mathbb{M}	
			morning set		-12340 Dec 21 j 12:26	26° \mathbb{M} 58'56	
superior conj	-12340 Jan 14 j 10:39	27° $\underline{\Omega}$ 33'43	-0°45'33		-12340 Dec 22 j 23:48	0° $\underline{\Omega}$	
minimum elong	-12340 Jan 14 j 12:18	27° $\underline{\Omega}$ 42'41	0°45'35	max. Earth dist.	-12340 Dec 27 j 07:15	9° $\underline{\Omega}$ 06'11	1.33142 AU
max. Earth dist.	-12340 Jan 13 j 20:54	26° $\underline{\Omega}$ 18'41	1.32816 AU				
	-12340 Jan 15 j 13:27	0° \mathbb{M}	superior conj		-12340 Dec 28 j 21:24	12° $\underline{\Omega}$ 31'58	-1°04'12
asc. node	-12340 Jan 19 j 11:09	8° \mathbb{M} 27'44	minimum elong		-12340 Dec 28 j 23:24	12° $\underline{\Omega}$ 42'46	1°04'04
evening rise	-12340 Jan 21 j 11:31	12° \mathbb{M} 43'51	evening rise		-12339 Jan 04 j 22:34	27° $\underline{\Omega}$ 42'02	
	-12340 Jan 30 j 08:29	0° \mathbb{M}	asc. node		-12339 Jan 05 j 08:32	28° $\underline{\Omega}$ 34'15	
evening max el	-12340 Feb 18 j 02:47	25° \mathbb{M} 59'00	25°40'04		-12339 Jan 06 j 01:01	0° \mathbb{M}	
	-12340 Feb 23 j 01:11	0° \mathbb{M}			-12339 Jan 23 j 15:26	0° \mathbb{M}	
retrograde	-12340 Mar 03 j 04:29	3° \mathbb{M} 10'38	evening max el		-12339 Jan 29 j 20:30	6° \mathbb{M} 56'27	24°13'39
desc. node	-12340 Mar 07 j 17:19	2° \mathbb{M} 21'15	retrograde		-12339 Feb 12 j 13:37	13° \mathbb{M} 44'32	
evening set	-12340 Mar 08 j 13:37	2° \mathbb{M} 01'28	evening set		-12339 Feb 16 j 21:05	13° \mathbb{M} 03'01	
	-12340 Mar 12 j 07:41	30° \mathbb{M} 27'41	desc. node		-12339 Feb 22 j 14:13	10° \mathbb{M} 20'00	
min. Earth dist.	-12340 Mar 13 j 16:14	29° \mathbb{M} 05'39	0.58044 AU	min. Earth dist.	-12339 Feb 23 j 09:50	9° \mathbb{M} 50'11	0.56487 AU
inferior conj	-12340 Mar 16 j 19:32	26° \mathbb{M} 50'33	-2°06'26	inferior conj	-12339 Feb 25 j 17:17	8° \mathbb{M} 23'01	-0°46'53
minimum elong	-12340 Mar 16 j 16:04	26° \mathbb{M} 56'50	2°06'21	minimum elong	-12339 Feb 25 j 15:28	8° \mathbb{M} 25'52	0°47'00
morning rise	-12340 Mar 24 j 21:42	22° \mathbb{M} 27'06	morning rise		-12339 Mar 06 j 12:46	4° \mathbb{M} 15'00	
direct	-12340 Mar 27 j 04:14	22° \mathbb{M} 10'27	direct		-12339 Mar 08 j 16:29	4° \mathbb{M} 02'27	
morning max el	-12340 Apr 04 j 11:45	26° \mathbb{M} 08'24	18°47'48	morning max el	-12339 Mar 18 j 10:50	8° \mathbb{M} 39'35	19°39'55
	-12340 Apr 07 j 21:55	0° \mathbb{M}			-12339 Apr 01 j 14:01	0° \mathbb{M}	
asc. node	-12340 Apr 16 j 09:50	13° \mathbb{M} 43'25	asc. node		-12339 Apr 03 j 06:50	3° \mathbb{M} 19'00	
morning set	-12340 Apr 20 j 21:32	22° \mathbb{M} 16'33	morning set		-12339 Apr 04 j 21:23	6° \mathbb{M} 30'37	
	-12340 Apr 24 j 20:44	0° \approx					
superior conj	-12340 Apr 29 j 19:45	9° \approx 30'53	1°36'22	superior conj	-12339 Apr 13 j 01:38	22° \mathbb{M} 54'00	1°19'06
minimum elong	-12340 Apr 29 j 16:52	9° \approx 17'19	1°35'34	minimum elong	-12339 Apr 12 j 22:38	22° \mathbb{M} 39'09	1°18'03
max. Earth dist.	-12340 May 06 j 15:36	22° \approx 02'30	1.39011 AU	max. Earth dist.	-12339 Apr 16 j 17:23	0° \approx	
evening rise	-12340 May 10 j 20:05	29° \approx 20'49	evening rise		-12339 Apr 18 j 17:16	3° \approx 46'26	1.37198 AU
	-12340 May 11 j 05:15	0° \mathbb{M}			-12339 Apr 22 j 18:09	11° \approx 10'39	
	-12340 May 30 j 09:34	0° \mathbb{M}			-12339 May 03 j 21:17	0° \mathbb{M}	
desc. node	-12340 Jun 03 j 15:13	5° \mathbb{M} 53'37	desc. node		-12339 May 21 j 12:42	25° \mathbb{M} 13'22	
evening max el	-12340 Jun 15 j 05:35	19° \mathbb{M} 54'10	24°06'08	evening max el	-12339 May 25 j 13:28	0° \mathbb{M}	
retrograde	-12340 Jun 26 j 04:12	26° \mathbb{M} 23'12	retrograde		-12339 May 28 j 15:05	3° \mathbb{M} 15'19	25°24'06
evening set	-12340 Jul 01 j 13:48	24° \mathbb{M} 02'46	evening set		-12339 Jun 09 j 15:12	10° \mathbb{M} 18'07	
inferior conj	-12340 Jul 06 j 19:21	17° \mathbb{M} 47'11	-1°55'24	min. Earth dist.	-12339 Jun 15 j 15:06	7° \mathbb{M} 41'01	
minimum elong	-12340 Jul 06 j 21:23	17° \mathbb{M} 40'18	1°54'34	inferior conj	-12339 Jun 19 j 23:13	2° \mathbb{M} 44'47	0.66664 AU
min. Earth dist.	-12340 Jul 06 j 07:23	18° \mathbb{M} 28'00	0.67126 AU	minimum elong	-12339 Jun 20 j 23:26	1° \mathbb{M} 25'16	-2°31'27
morning rise	-12340 Jul 12 j 04:55	11° \mathbb{M} 37'12	morning rise		-12339 Jun 21 j 01:42	1° \mathbb{M} 17'50	2°30'52
asc. node	-12340 Jul 13 j 10:56	10° \mathbb{M} 49'28	asc. node		-12339 Jun 22 j 01:41	30° \mathbb{M} 27'41	
direct	-12340 Jul 16 j 03:38	10° \mathbb{M} 08'21	direct		-12339 Jun 26 j 12:20	25° \mathbb{M} 25'34	
morning max el	-12340 Jul 24 j 10:41	15° \mathbb{M} 03'47	20°51'40	morning max el	-12339 Jun 30 j 01:21	24° \mathbb{M} 12'41	
	-12340 Aug 05 j 00:41	0° \mathbb{M}			-12339 Jun 30 j 07:41	24° \mathbb{M} 13'04	
morning set	-12340 Aug 22 j 10:32	26° \mathbb{M} 17'06	morning set		-12339 Jul 07 j 11:52	28° \mathbb{M} 31'40	19°45'56
	-12340 Aug 24 j 19:27	0° \mathbb{M}			-12339 Jul 08 j 20:25	0° \mathbb{M}	
desc. node	-12340 Aug 30 j 11:58	9° \mathbb{M} 03'05	desc. node		-12339 Jul 29 j 12:16	0° \mathbb{M}	
max. Earth dist.	-12340 Aug 31 j 19:45	11° \mathbb{M} 11'25	1.43075 AU	max. Earth dist.	-12339 Aug 01 j 14:37	4° \mathbb{M} 49'47	
					-12339 Aug 14 j 09:07	24° \mathbb{M} 55'57	1.44158 AU
superior conj	-12340 Sep 07 j 02:25	21° \mathbb{M} 31'38	-0°44'31	desc. node	-12339 Aug 17 j 09:14	29° \mathbb{M} 44'07	
minimum elong	-12340 Sep 06 j 22:40	21° \mathbb{M} 16'00	0°43'21		-12339 Aug 17 j 13:12	0° \mathbb{M}	
	-12340 Sep 12 j 02:16	0° \mathbb{M}		superior conj	-12339 Aug 18 j 01:22	0° \mathbb{M} 48'52	-0°04'02
evening rise	-12340 Sep 19 j 05:45	12° \mathbb{M} 28'28	evening rise		-12339 Aug 18 j 00:58	0° \mathbb{M} 47'18	0°03'20
	-12340 Sep 29 j 10:42	0° Ω		minimum elong	-12339 Aug 17 j 14:15	0° \mathbb{M} 04'15	
evening max el	-12340 Oct 06 j 04:14	9° Ω 00'08	18°07'30	behind sun begin	-12339 Aug 18 j 11:41	1° \mathbb{M} 30'26	
asc. node	-12340 Oct 09 j 10:59	11° Ω 35'26	asc. node		-12339 Aug 18 j 11:41	1° \mathbb{M} 30'26	
retrograde	-12340 Oct 12 j 21:07	12° Ω 32'39	retrograde		-12339 Sep 01 j 05:19	24° \mathbb{M} 07'38	
evening set	-12340 Oct 15 j 11:00	12° Ω 00'39	evening set		-12339 Sep 04 j 17:08	0° \mathbb{M}	
inferior conj	-12340 Oct 22 j 03:10	6° Ω 47'10	3°22'25	evening max el	-12339 Sep 19 j 17:58	22° \mathbb{M} 25'00	18°21'23
minimum elong	-12340 Oct 21 j 23:19	6° Ω 56'52	3°22'07	retrograde	-12339 Sep 26 j 08:50	26° \mathbb{M} 02'21	
min. Earth dist.	-12340 Oct 24 j 18:54	4° Ω 07'13	0.62371 AU	asc. node	-12339 Sep 26 j 08:09	26° \mathbb{M} 02'21	
morning rise	-12340 Oct 28 j 10:35	0° Ω 58'34	morning rise		-12339 Sep 29 j 03:11	25° \mathbb{M} 21'31	
	-12340 Oct 29 j 22:53	30° \mathbb{M} 27'41		evening set	-12339 Oct 05 j 09:01	19° \mathbb{M} 50'32	2°36'25
direct	-12340 Nov 04 j 11:57	28° \mathbb{M} 25'39	direct		minimum elong	-12339 Oct 05 j 05:37	2°36'05
				min. Earth dist.	-12339 Oct 07 j 12:19	17° \mathbb{M} 27'11	0.63919 AU

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning rise	-12339 Oct 11 j 07:16	13°  47'59		direct	-12338 Oct 01 j 03:03	24°  13'32	
direct	-12339 Oct 18 j 04:10	11°  05'01			-12338 Oct 12 j 07:14	0° 	
morning max el	-12339 Oct 31 j 15:34	18°  37'26	27°22'48	morning max el	-12338 Oct 14 j 01:52	1°  40'54	26°42'00
	-12339 Nov 10 j 10:26	0° 		desc. node	-12338 Oct 31 j 05:48	23°  25'25	
desc. node	-12339 Nov 13 j 09:04	4°  01'05			-12338 Nov 04 j 12:48	0° 	
	-12339 Nov 29 j 11:41	0° 		morning set	-12338 Nov 18 j 18:34	24°  043'33	
morning set	-12339 Dec 05 j 08:57	11°  09'37			-12338 Nov 21 j 12:08	0° 	
max. Earth dist.	-12339 Dec 10 j 10:50	21°  28'34	1.33849 AU	max. Earth dist.	-12338 Nov 23 j 04:27	3°  19'31	1.34975 AU
superior conj	-12339 Dec 13 j 05:12	27°  18'19	-1°19'43	superior conj	-12338 Nov 27 j 07:54	11°  45'48	-1°31'05
minimum elong	-12339 Dec 13 j 07:10	27°  28'47	1°19'28	minimum elong	-12338 Nov 27 j 09:22	11°  53'23	1°30'45
	-12339 Dec 14 j 11:31	0° 		evening rise	-12338 Dec 04 j 19:06	27°  12'43	
evening rise	-12339 Dec 20 j 09:39	12°  36'29			-12338 Dec 06 j 01:55	0° 	
asc. node	-12339 Dec 23 j 05:56	18°  27'16		asc. node	-12338 Dec 10 j 03:18	8°  00'53	
	-12339 Dec 29 j 09:16	0° 		evening max el	-12338 Dec 24 j 13:58	28°  58'24	21°10'34
evening max el	-12338 Jan 11 j 14:21	17°  48'20	22°39'32		-12338 Dec 25 j 17:40	0° 	
retrograde	-12338 Jan 24 j 11:04	23°  59'10		retrograde	-12337 Jan 05 j 01:38	4°  12'23	
evening set	-12338 Jan 27 j 20:07	23°  34'10		evening set	-12337 Jan 07 j 21:32	4°  03'55	
min. Earth dist.	-12338 Feb 05 j 01:13	19°  51'37	0.55591 AU	inferior conj	-12337 Jan 16 j 19:42	0°  04'38	2°33'14
inferior conj	-12338 Feb 05 j 22:06	19°  21'22	0°54'08	minimum elong	-12337 Jan 17 j 01:15	29°  56'38	2°31'23
minimum elong	-12338 Feb 06 j 00:23	19°  18'04	0°52'51		-12337 Jan 16 j 22:55	30°  R 	
desc. node	-12338 Feb 09 j 11:03	17°  23'35		min. Earth dist.	-12337 Jan 17 j 15:21	29°  36'19	0.55544 AU
morning rise	-12338 Feb 15 j 05:54	15°  17'50		morning rise	-12337 Jan 26 j 04:03	25°  50'23	
direct	-12338 Feb 17 j 13:05	15°  05'21		desc. node	-12337 Jan 27 j 07:47	25°  38'01	
morning max el	-12338 Feb 28 j 23:28	20°  32'37	20°51'12	direct	-12337 Jan 29 j 04:18	25°  30'18	
	-12338 Mar 08 j 14:30	0° 			-12337 Feb 09 j 00:43	0° 	
morning set	-12338 Mar 20 j 03:36	21°  08'08		morning max el	-12337 Feb 11 j 00:48	1°  46'20	22°18'41
asc. node	-12338 Mar 21 j 03:52	23°  12'43			-12337 Mar 01 j 14:49	0° 	
	-12338 Mar 24 j 10:31	0° 		morning set	-12337 Mar 04 j 13:49	6°  02'10	
				asc. node	-12337 Mar 08 j 00:58	13°  19'38	
superior conj	-12338 Mar 27 j 19:00	6°  54'55	0°58'01	superior conj	-12337 Mar 11 j 20:26	21°  23'46	0°35'02
minimum elong	-12338 Mar 27 j 16:35	6°  42'33	0°56'53	minimum elong	-12337 Mar 11 j 18:57	21°  15'57	0°34'01
max. Earth dist.	-12338 Apr 01 j 01:44	15°  31'08	1.35635 AU	max. Earth dist.	-12337 Mar 14 j 20:34	27°  03'20	1.34417 AU
evening rise	-12338 Apr 05 j 12:25	24°  30'57			-12337 Mar 16 j 00:03	0° 	
	-12338 Apr 08 j 17:52	0° 		evening rise	-12337 Mar 19 j 21:29	7°  345'09	
	-12338 Apr 27 j 10:49	0° 			-12337 Apr 01 j 07:41	0° 	
desc. node	-12338 May 08 j 10:09	13°  51'11		evening max el	-12337 Apr 23 j 12:08	29°  48'28	27°12'22
evening max el	-12338 May 11 j 01:13	16°  35'40	26°29'00		-12337 Apr 23 j 16:52	0° 	
retrograde	-12338 May 23 j 21:36	24°  00'08		desc. node	-12337 Apr 25 j 07:30	1°  30'03	
evening set	-12338 May 30 j 09:41	21°  14'03		retrograde	-12337 May 06 j 22:37	7°  22'14	
min. Earth dist.	-12338 Jun 03 j 09:47	16°  56'57	0.65825 AU	evening set	-12337 May 13 j 18:52	4°  38'02	
inferior conj	-12338 Jun 04 j 23:31	15°  00'18	-2°59'55	min. Earth dist.	-12337 May 17 j 13:09	0°  57'19	0.64595 AU
minimum elong	-12338 Jun 05 j 01:35	14°  53'55	2°59'46		-12337 May 18 j 09:30	30°  R 	
morning rise	-12338 Jun 10 j 17:40	9°  13'37		inferior conj	-12337 May 19 j 17:19	28°  28'59	-3°18'40
direct	-12338 Jun 13 j 22:51	8°  14'37		minimum elong	-12337 May 19 j 18:38	28°  25'15	3°18'57
asc. node	-12338 Jun 17 j 04:25	9°  10'44		morning rise	-12337 May 25 j 18:54	22°  57'46	
morning max el	-12338 Jun 20 j 18:58	12°  05'14	18°54'51	direct	-12337 May 28 j 17:52	22°  510'41	
	-12338 Jul 03 j 14:26	0° 		asc. node	-12337 Jun 04 j 01:09	25°  28'58	
morning set	-12338 Jul 12 j 09:14	14°  02'42		morning max el	-12337 Jun 04 j 06:25	25°  42'05	18°20'26
	-12338 Jul 22 j 09:21	0° 			-12337 Jun 07 j 21:16	0° 	
superior conj	-12338 Jul 28 j 04:18	9°  10'08	0°41'01	morning set	-12337 Jun 23 j 04:14	24°  122'59	
minimum elong	-12338 Jul 28 j 09:04	9°  28'58	0°40'56		-12337 Jun 26 j 13:11	0° 	
max. Earth dist.	-12338 Jul 28 j 01:06	8°  57'26	1.44578 AU	superior conj	-12337 Jul 07 j 07:21	17°  033'05	1°19'10
desc. node	-12338 Aug 04 j 06:36	20°  24'51		minimum elong	-12337 Jul 07 j 13:53	17°  59'16	1°18'48
	-12338 Aug 10 j 06:47	0° 		max. Earth dist.	-12337 Jul 10 j 17:06	22°  59'36	1.44297 AU
evening rise	-12338 Aug 13 j 03:28	4°  35'32			-12337 Jul 15 j 03:17	0° 	
	-12338 Aug 29 j 10:34	0° 		desc. node	-12337 Jul 22 j 04:01	11°  02'04	
evening max el	-12338 Sep 03 j 06:17	5°  54'59	18°52'51	evening rise	-12337 Jul 23 j 22:24	13°  47'36	
retrograde	-12338 Sep 10 j 02:09	9°  45'32			-12337 Aug 03 j 09:31	0° 	
evening set	-12338 Sep 13 j 03:20	8°  52'44		greatest brilliancy	-12337 Aug 04 j 08:01	1°  25'42	-0.7m
asc. node	-12338 Sep 13 j 05:12	8°  50'03		evening max el	-12337 Aug 17 j 14:31	19°  25'21	19°40'37
inferior conj	-12338 Sep 19 j 00:26	3°  07'25	1°45'37	retrograde	-12337 Aug 24 j 22:12	23°  38'02	
minimum elong	-12338 Sep 18 j 22:01	3°  14'46	1°45'31	evening set	-12337 Aug 28 j 08:34	22°  29'44	
min. Earth dist.	-12338 Sep 20 j 15:09	1°  50'34	0.65179 AU	asc. node	-12337 Aug 31 j 02:10	20°  02'56	
	-12338 Sep 21 j 14:47	30°  R 		inferior conj	-12337 Sep 02 j 22:41	16°  33'00	0°53'21
morning rise	-12338 Sep 24 j 16:11	26°  54'44					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-12337 Sep 02 j 21:28	16° Π 36'57	0°53'37	minimum elong	-12336 Aug 17 j 01:30	0° Π 04'43	0°02'34
min. Earth dist.	-12337 Sep 04 j 01:32	15° Π 05'52	0.66140 AU	transit middle	-12336 Aug 17 j 01:30	0° Π 04'43	0°02'34
morning rise	-12337 Sep 08 j 10:03	10° Π 14'09		transit begin	-12336 Aug 16 j 22:48	0° Π 13'51	
direct	-12337 Sep 14 j 07:44	7° Π 43'35		transit end	-12336 Aug 17 j 04:12	29° \mathcal{R} 55'34	
morning max el	-12337 Sep 26 j 11:49	14° Π 53'40	25°38'15		-12336 Aug 17 j 02:53	30° \mathcal{R} 8	
	-12337 Oct 08 j 23:33	0° \mathfrak{D}		min. Earth dist.	-12336 Aug 17 j 17:22	29° \mathcal{R} 11'00	0.66798 AU
desc. node	-12337 Oct 18 j 02:33	13° \mathfrak{D} 17'47		morning rise	-12336 Aug 22 j 10:18	23° \mathcal{R} 43'21	
	-12337 Oct 28 j 07:55	0° \mathcal{Q}		direct	-12336 Aug 27 j 17:42	21° \mathcal{R} 28'43	
morning set	-12337 Nov 01 j 12:47	7° \mathcal{Q} 26'46		morning max el	-12336 Sep 07 j 21:38	28° \mathcal{R} 09'24	24°20'08
max. Earth dist.	-12337 Nov 05 j 11:28	14° \mathcal{Q} 45'47	1.36527 AU		-12336 Sep 09 j 15:44	0° Π	
					-12336 Oct 01 j 17:33	0° \mathfrak{D}	
superior conj	-12337 Nov 11 j 02:44	25° \mathcal{Q} 44'48	-1°36'58	desc. node	-12336 Oct 03 j 23:25	3° \mathfrak{D} 30'11	
minimum elong	-12337 Nov 11 j 03:09	25° \mathcal{Q} 46'51	1°36'32	morning set	-12336 Oct 13 j 10:28	19° \mathfrak{D} 05'55	
	-12337 Nov 13 j 05:28	0° \mathfrak{P}		max. Earth dist.	-12336 Oct 17 j 11:45	26° \mathfrak{D} 13'41	1.38401 AU
evening rise	-12337 Nov 19 j 01:05	11° \mathfrak{P} 51'09			-12336 Oct 19 j 13:42	0° \mathcal{Q}	
asc. node	-12337 Nov 27 j 00:41	27° \mathfrak{P} 06'57					
	-12337 Nov 28 j 17:55	0° \mathfrak{L}		superior conj	-12336 Oct 24 j 10:11	9° \mathcal{Q} 05'10	-1°35'39
evening max el	-12337 Dec 06 j 22:51	10° \mathfrak{L} 38'44	19°55'36	minimum elong	-12336 Oct 24 j 09:00	8° \mathcal{Q} 59'32	1°35'01
retrograde	-12337 Dec 16 j 20:36	15° \mathfrak{L} 18'14		evening rise	-12336 Nov 02 j 01:30	25° \mathcal{Q} 59'14	
evening set	-12337 Dec 19 j 10:59	15° \mathfrak{L} 00'28			-12336 Nov 04 j 02:42	0° \mathfrak{P}	
inferior conj	-12337 Dec 27 j 22:57	10° \mathfrak{L} 56'59	3°43'59	asc. node	-12336 Nov 12 j 22:00	15° \mathfrak{P} 36'17	
minimum elong	-12337 Dec 28 j 03:46	10° \mathfrak{L} 49'29	3°43'05	evening max el	-12336 Nov 18 j 17:54	22° \mathfrak{P} 52'36	18°59'24
min. Earth dist.	-12337 Dec 30 j 04:28	9° \mathfrak{L} 33'51	0.56333 AU	retrograde	-12336 Nov 27 j 06:35	26° \mathfrak{P} 58'20	
morning rise	-12336 Jan 05 j 18:37	6° \mathfrak{L} 21'31		evening set	-12336 Nov 29 j 18:30	26° \mathfrak{P} 38'45	
direct	-12336 Jan 10 j 00:48	5° \mathfrak{L} 41'10		inferior conj	-12336 Dec 07 j 18:01	22° \mathfrak{P} 18'55	4°15'07
desc. node	-12336 Jan 14 j 04:26	6° \mathfrak{L} 20'35		minimum elong	-12336 Dec 07 j 19:15	22° \mathfrak{P} 16'45	4°15'11
morning max el	-12336 Jan 23 j 17:31	12° \mathfrak{L} 31'28	23°55'12	min. Earth dist.	-12336 Dec 10 j 18:28	20° \mathfrak{P} 10'52	0.57761 AU
	-12336 Feb 05 j 23:41	0° \mathfrak{M}		morning rise	-12336 Dec 15 j 18:01	17° \mathfrak{P} 19'32	
morning set	-12336 Feb 17 j 02:01	21° \mathfrak{M} 05'00		direct	-12336 Dec 21 j 07:53	16° \mathfrak{P} 06'03	
	-12336 Feb 21 j 06:23	0° \mathcal{J}		desc. node	-12336 Dec 31 j 01:03	19° \mathfrak{P} 40'12	
asc. node	-12336 Feb 22 j 22:09	3° \mathcal{J} 34'19		morning max el	-12335 Jan 04 j 08:16	23° \mathfrak{P} 15'09	25°27'44
					-12335 Jan 10 j 10:02	0° \mathfrak{L}	
superior conj	-12336 Feb 24 j 03:19	6° \mathcal{J} 11'14	0°11'27		-12335 Jan 28 j 14:27	0° \mathfrak{M}	
minimum elong	-12336 Feb 24 j 02:51	6° \mathcal{J} 08'45	0°10'41	morning set	-12335 Jan 31 j 14:24	6° \mathfrak{M} 09'56	
behind sun begin	-12336 Feb 23 j 23:01	5° \mathcal{J} 48'10					
behind sun end	-12336 Feb 24 j 06:41	6° \mathcal{J} 29'19		superior conj	-12335 Feb 07 j 13:32	21° \mathfrak{M} 10'12	-0°11'45
max. Earth dist.	-12336 Feb 26 j 00:49	10° \mathcal{J} 14'29	1.33545 AU	minimum elong	-12335 Feb 07 j 14:02	21° \mathfrak{M} 12'56	0°12'13
evening rise	-12336 Mar 02 j 17:01	21° \mathcal{J} 59'41		behind sun begin	-12335 Feb 07 j 10:50	20° \mathfrak{M} 55'31	
	-12336 Mar 06 j 19:34	0° \mathfrak{Z}		behind sun end	-12335 Feb 07 j 17:14	21° \mathfrak{M} 30'21	
	-12336 Mar 25 j 04:41	0° \approx		max. Earth dist.	-12335 Feb 08 j 11:26	23° \mathfrak{M} 09'13	1.33002 AU
evening max el	-12336 Apr 04 j 22:04	12° \approx 41'49	27°27'27	asc. node	-12335 Feb 08 j 19:25	23° \mathfrak{M} 52'29	
desc. node	-12336 Apr 11 j 04:44	17° \approx 46'05			-12335 Feb 11 j 15:49	0° \mathcal{J}	
retrograde	-12336 Apr 18 j 17:27	20° \approx 16'16		evening rise	-12335 Feb 14 j 19:46	6° \mathcal{J} 36'49	
evening set	-12336 Apr 25 j 15:31	17° \approx 46'39			-12335 Feb 27 j 09:45	0° \mathfrak{Z}	
min. Earth dist.	-12336 Apr 29 j 07:43	14° \approx 35'15	0.62993 AU	evening max el	-12335 Mar 18 j 04:25	25° \mathfrak{Z} 03'50	27°10'12
inferior conj	-12336 May 02 j 02:01	11° \approx 45'55	-3°24'36		-12335 Mar 24 j 08:25	0° \approx	
minimum elong	-12336 May 02 j 02:00	11° \approx 45'58	3°25'10	desc. node	-12335 Mar 29 j 01:54	2° \approx 08'08	
morning rise	-12336 May 08 j 13:36	6° \approx 32'30		retrograde	-12335 Apr 01 j 05:09	2° \approx 34'10	
direct	-12336 May 11 j 07:34	5° \approx 55'43		evening set	-12335 Apr 07 j 20:20	0° \approx 31'04	
morning max el	-12336 May 17 j 20:06	9° \approx 18'14	18°03'54		-12335 Apr 08 j 15:39	30° \mathcal{R} 3	
asc. node	-12336 May 20 j 21:55	12° \approx 52'02		min. Earth dist.	-12335 Apr 11 j 17:08	27° \mathfrak{Z} 37'07	0.61106 AU
	-12336 May 31 j 15:05	0° \mathcal{H}		inferior conj	-12335 Apr 14 j 22:18	24° \mathfrak{Z} 43'45	-3°13'16
morning set	-12336 Jun 03 j 23:44	5° \mathcal{H} 52'30		minimum elong	-12335 Apr 14 j 20:33	24° \mathfrak{Z} 47'44	3°13'47
				morning rise	-12335 Apr 21 j 22:46	19° \mathfrak{Z} 49'53	
superior conj	-12336 Jun 16 j 06:16	26° \mathcal{H} 54'29	1°42'07	direct	-12335 Apr 24 j 12:13	19° \mathfrak{Z} 22'09	
minimum elong	-12336 Jun 16 j 10:00	27° \mathcal{H} 10'03	1°41'52	morning max el	-12335 May 01 j 09:30	22° \mathfrak{Z} 47'33	18°05'53
	-12336 Jun 18 j 03:02	0° \mathcal{Y}			-12335 May 07 j 01:45	0° \approx	
max. Earth dist.	-12336 Jun 22 j 06:29	6° \mathcal{Y} 46'02	1.43354 AU	asc. node	-12335 May 07 j 18:44	1° \approx 05'34	
evening rise	-12336 Jul 01 j 23:44	22° \mathcal{Y} 10'36		morning set	-12335 May 17 j 15:34	18° \approx 21'31	
	-12336 Jul 07 j 01:21	0° \mathcal{R}			-12335 May 24 j 01:14	0° \mathcal{H}	
desc. node	-12336 Jul 08 j 01:30	1° \mathcal{R} 32'17					
	-12336 Jul 28 j 02:09	0° Π		superior conj	-12335 May 28 j 08:10	7° \mathcal{H} 35'52	1°49'05
evening max el	-12336 Jul 30 j 16:35	2° Π 52'38	20°43'01	minimum elong	-12335 May 28 j 08:12	7° \mathcal{H} 36'05	1°48'47
retrograde	-12336 Aug 07 j 18:52	7° Π 36'52		max. Earth dist.	-12335 Jun 04 j 14:26	19° \mathcal{H} 58'39	1.41880 AU
evening set	-12336 Aug 11 j 16:31	6° Π 09'56			-12335 Jun 10 j 17:53	0° \mathcal{Y}	
asc. node	-12336 Aug 16 j 23:03	0° Π 12'58		evening rise	-12335 Jun 11 j 05:09	0° \mathcal{Y} 45'00	
inferior conj	-12336 Aug 17 j 01:33	0° Π 04'31	0°01'57	desc. node	-12335 Jun 24 j 23:01	21° \mathcal{Y} 50'53	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12335 Jun 30 j 14:29	0°♄		evening max el	-12334 Jun 26 j 00:31	29°♄33'48	23°18'44
evening max el	-12335 Jul 13 j 11:30	16°♄14'33	21°57'19		-12334 Jun 26 j 11:02	0°♄	
retrograde	-12335 Jul 22 j 14:23	21°♄38'33		retrograde	-12334 Jul 06 j 07:24	5°♄40'33	
evening set	-12335 Jul 27 j 01:06	19°♄50'48		evening set	-12334 Jul 11 j 08:24	3°♄31'40	
inferior conj	-12335 Aug 01 j 07:04	13°♄39'23	-0°46'56		-12334 Jul 14 j 13:11	30°♄♂	
minimum elong	-12335 Aug 01 j 08:01	13°♄36'06	0°46'05	inferior conj	-12334 Jul 16 j 13:26	27°♄16'48	-1°31'52
min. Earth dist.	-12335 Aug 01 j 12:17	13°♄21'20	0.67161 AU	minimum elong	-12334 Jul 16 j 15:09	27°♄10'52	1°30'57
asc. node	-12335 Aug 03 j 19:55	10°♄16'04		min. Earth dist.	-12334 Jul 16 j 07:58	27°♄35'40	0.67227 AU
morning rise	-12335 Aug 06 j 14:50	7°♄19'39		morning rise	-12334 Jul 21 j 21:51	21°♄02'03	
direct	-12335 Aug 11 j 08:20	5°♄23'01		asc. node	-12334 Jul 21 j 16:46	21°♄12'21	
morning max el	-12335 Aug 21 j 09:00	11°♄25'15	22°56'19	direct	-12334 Jul 26 j 02:53	19°♄23'23	
	-12335 Sep 05 j 00:29	0°♄		morning max el	-12334 Aug 04 j 00:20	24°♄43'09	21°34'47
desc. node	-12335 Sep 20 j 20:24	23°♄55'56			-12334 Aug 08 j 14:24	0°♄	
morning set	-12335 Sep 24 j 06:54	29°♄29'51			-12334 Aug 29 j 12:00	0°♄	
	-12335 Sep 24 j 14:15	0°♄		morning set	-12334 Sep 04 j 01:55	8°♄41'29	
max. Earth dist.	-12335 Sep 29 j 11:21	8°♄10'34	1.40377 AU	desc. node	-12334 Sep 07 j 17:29	14°♄30'25	
				max. Earth dist.	-12334 Sep 11 j 15:13	20°♄51'42	1.42195 AU
superior conj	-12335 Oct 07 j 01:31	21°♄33'21	-1°25'00		-12334 Sep 17 j 02:14	0°♄	
minimum elong	-12335 Oct 06 j 22:30	21°♄19'43	1°24'05				
	-12335 Oct 11 j 15:13	0°♄		superior conj	-12334 Sep 18 j 19:02	2°♄54'47	-1°02'54
evening rise	-12335 Oct 16 j 17:34	9°♄38'30		minimum elong	-12334 Sep 18 j 14:56	2°♄37'08	1°01'43
	-12335 Oct 28 j 08:10	0°♄		evening rise	-12334 Sep 29 j 21:44	22°♄40'12	
asc. node	-12335 Oct 30 j 19:18	3°♄17'18			-12334 Oct 03 j 23:02	0°♄	
evening max el	-12335 Nov 01 j 21:48	5°♄35'56	18°23'37	evening max el	-12334 Oct 16 j 07:57	18°♄41'30	18°07'56
retrograde	-12335 Nov 09 j 10:23	9°♄20'10		asc. node	-12334 Oct 17 j 16:34	19°♄55'50	
evening set	-12335 Nov 11 j 21:30	8°♄57'17		retrograde	-12334 Oct 23 j 05:36	22°♄15'19	
inferior conj	-12335 Nov 19 j 08:22	4°♄16'40	4°11'46	evening set	-12334 Oct 25 j 17:52	21°♄47'18	
minimum elong	-12335 Nov 19 j 06:19	4°♄20'53	4°11'57	inferior conj	-12334 Nov 01 j 16:37	16°♄45'37	3°44'48
min. Earth dist.	-12335 Nov 22 j 12:52	1°♄40'34	0.59531 AU	minimum elong	-12334 Nov 01 j 12:58	16°♄54'09	3°44'39
	-12335 Nov 24 j 19:40	30°♄♂		min. Earth dist.	-12334 Nov 04 j 14:48	14°♄01'38	0.61369 AU
morning rise	-12335 Nov 26 j 13:27	28°♄55'41		morning rise	-12334 Nov 08 j 06:46	11°♄06'20	
direct	-12335 Dec 03 j 02:28	27°♄04'40		direct	-12334 Nov 15 j 06:57	8°♄44'43	
	-12335 Dec 11 j 16:21	0°♄		morning max el	-12334 Nov 29 j 04:29	16°♄11'35	27°24'19
morning max el	-12335 Dec 17 j 03:13	4°♄24'27	26°41'10	desc. node	-12334 Dec 04 j 18:17	22°♄14'54	
desc. node	-12335 Dec 17 j 21:40	5°♄09'29			-12334 Dec 10 j 16:25	0°♄	
	-12334 Jan 04 j 23:10	0°♄			-12334 Dec 28 j 09:13	0°♄	
morning set	-12334 Jan 16 j 01:11	21°♄10'21		morning set	-12334 Dec 31 j 08:20	5°♄58'04	
	-12334 Jan 20 j 04:36	0°♄		max. Earth dist.	-12333 Jan 06 j 13:06	19°♄07'24	1.32904 AU
superior conj	-12334 Jan 23 j 01:19	6°♄14'28	-0°33'43	superior conj	-12333 Jan 07 j 12:56	21°♄16'58	-0°53'47
minimum elong	-12334 Jan 23 j 02:37	6°♄21'33	0°33'54	minimum elong	-12333 Jan 07 j 14:46	21°♄26'57	0°53'45
max. Earth dist.	-12334 Jan 23 j 00:45	6°♄11'22	1.32782 AU		-12333 Jan 11 j 13:10	0°♄	
asc. node	-12334 Jan 26 j 16:43	14°♄09'58		asc. node	-12333 Jan 13 j 14:04	4°♄21'52	
evening rise	-12334 Jan 30 j 03:18	21°♄28'11		evening rise	-12333 Jan 14 j 13:34	6°♄25'51	
	-12334 Feb 03 j 08:42	0°♄			-12333 Jan 27 j 03:23	0°♄	
	-12334 Feb 22 j 01:17	0°♄		evening max el	-12333 Feb 10 j 01:21	18°♄00'37	25°05'11
evening max el	-12334 Feb 28 j 05:28	6°♄49'03	26°20'56	retrograde	-12333 Feb 24 j 01:07	25°♄04'13	
retrograde	-12334 Mar 14 j 08:31	14°♄10'33		evening set	-12333 Feb 28 j 23:06	24°♄08'16	
desc. node	-12334 Mar 15 j 22:58	14°♄04'01		desc. node	-12333 Mar 02 j 19:57	23°♄19'37	
evening set	-12334 Mar 20 j 06:54	12°♄41'35		min. Earth dist.	-12333 Mar 06 j 15:02	21°♄06'19	0.57315 AU
min. Earth dist.	-12334 Mar 24 j 18:51	9°♄50'17	0.59118 AU	inferior conj	-12333 Mar 09 j 11:49	19°♄09'52	-1°36'12
inferior conj	-12334 Mar 28 j 02:36	7°♄14'39	-2°38'56	minimum elong	-12333 Mar 09 j 08:41	19°♄15'12	1°36'03
minimum elong	-12334 Mar 27 j 23:22	7°♄21'01	2°39'03	morning rise	-12333 Mar 17 j 21:32	14°♄53'41	
morning rise	-12334 Apr 04 j 18:49	2°♄40'46		direct	-12333 Mar 20 j 02:17	14°♄39'16	
direct	-12334 Apr 07 j 03:42	2°♄20'43		morning max el	-12333 Mar 28 j 23:51	18°♄52'39	19°07'31
morning max el	-12334 Apr 14 j 19:48	6°♄02'39	18°26'55		-12333 Apr 06 j 08:07	0°♄	
asc. node	-12334 Apr 24 j 15:39	19°♄58'25		asc. node	-12333 Apr 11 j 12:36	9°♄20'26	
	-12334 Apr 30 j 02:04	0°♄		morning set	-12333 Apr 14 j 17:58	15°♄36'08	
morning set	-12334 Apr 30 j 23:05	1°♄39'52			-12333 Apr 22 j 01:25	0°♄	
superior conj	-12334 May 10 j 10:32	19°♄31'59	1°43'36	superior conj	-12333 Apr 23 j 07:51	2°♄27'06	1°29'40
minimum elong	-12334 May 10 j 08:16	19°♄21'35	1°43'00	minimum elong	-12333 Apr 23 j 04:48	2°♄12'24	1°28'44
	-12334 May 16 j 06:29	0°♄		max. Earth dist.	-12333 Apr 29 j 16:28	14°♄21'46	1.38221 AU
max. Earth dist.	-12334 May 17 j 16:29	2°♄28'02	1.40087 AU	evening rise	-12333 May 03 j 17:26	21°♄33'47	
evening rise	-12334 May 22 j 09:32	10°♄27'40			-12333 May 08 j 16:16	0°♄	
	-12334 Jun 03 j 17:14	0°♄			-12333 May 28 j 14:42	0°♄	
desc. node	-12334 Jun 11 j 20:32	11°♄52'43		desc. node	-12333 May 29 j 18:02	1°♄30'27	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening max el	-12333 Jun 08 j 10:34	12° Υ 54'09	24°40'26			-12332 Apr 12 j 22:34	0° \approx	
retrograde	-12333 Jun 19 j 20:48	19° Υ 39'03		evening rise		-12332 Apr 15 j 00:51	3° \approx 52'42	
evening set	-12333 Jun 25 j 12:29	17° Υ 11'08				-12332 Apr 30 j 15:15	0° \mathcal{H}	
min. Earth dist.	-12333 Jun 30 j 01:57	11° Υ 52'13	0.66970 AU	desc. node		-12332 May 15 j 15:32	20° \mathcal{H} 34'00	
inferior conj	-12333 Jun 30 j 18:54	10° Υ 55'09	-2°11'33	evening max el		-12332 May 20 j 20:25	26° \mathcal{H} 16'06	25°53'54
minimum elong	-12333 Jun 30 j 21:05	10° Υ 47'50	2°10'48			-12332 May 25 j 01:32	0° Υ	
morning rise	-12333 Jul 06 j 05:38	4° Υ 48'54		retrograde		-12332 Jun 02 j 05:44	3° Υ 28'52	
asc. node	-12333 Jul 08 j 13:34	3° Υ 38'38		evening set		-12332 Jun 08 j 11:11	0° Υ 47'04	
direct	-12333 Jul 09 j 24:00	3° Υ 26'57				-12332 Jun 09 j 07:20	30° $\mathcal{R}\mathcal{H}$	
morning max el	-12333 Jul 17 j 21:37	8° Υ 06'19	20°21'59	min. Earth dist.		-12332 Jun 12 j 15:49	26° \mathcal{H} 07'28	0.66358 AU
	-12333 Aug 03 j 00:33	0° \mathcal{B}		inferior conj		-12332 Jun 13 j 21:32	24° \mathcal{H} 32'07	-2°44'36
morning set	-12333 Aug 14 j 05:54	17° \mathcal{B} 12'34		minimum elong		-12332 Jun 13 j 23:46	24° \mathcal{H} 24'56	2°44'11
	-12333 Aug 22 j 09:10	0° Π		morning rise		-12332 Jun 19 j 12:24	18° \mathcal{H} 37'32	
max. Earth dist.	-12333 Aug 25 j 01:26	4° Π 16'49	1.43606 AU	direct		-12332 Jun 22 j 21:58	17° \mathcal{H} 30'36	
desc. node	-12333 Aug 25 j 14:40	5° Π 10'01		asc. node		-12332 Jun 24 j 10:18	17° \mathcal{H} 43'17	
				morning max el		-12332 Jun 30 j 01:22	21° \mathcal{H} 36'07	19°22'14
superior conj	-12333 Aug 30 j 09:49	12° Π 57'49	-0°28'28			-12332 Jul 06 j 17:30	0° Υ	
minimum elong	-12333 Aug 30 j 07:05	12° Π 46'34	0°27'26	morning set		-12332 Jul 23 j 14:14	25° Υ 57'01	
	-12333 Sep 09 j 13:13	0° \mathcal{E}				-12332 Jul 26 j 03:57	0° \mathcal{B}	
evening rise	-12333 Sep 12 j 09:19	4° \mathcal{E} 53'21		max. Earth dist.		-12332 Aug 06 j 16:37	18° \mathcal{B} 11'50	1.44424 AU
	-12333 Sep 28 j 01:45	0° Ω						
evening max el	-12333 Sep 29 j 21:21	2° Ω 01'50	18°11'18	superior conj		-12332 Aug 08 j 22:27	21° \mathcal{B} 45'42	0°15'11
asc. node	-12333 Oct 04 j 13:46	5° Ω 15'44		minimum elong		-12332 Aug 09 j 00:19	21° \mathcal{B} 53'07	0°15'33
retrograde	-12333 Oct 06 j 12:22	5° Ω 35'01		behind sun begin		-12332 Aug 08 j 20:48	21° \mathcal{B} 39'06	
evening set	-12333 Oct 09 j 03:57	4° Ω 59'33		behind sun end		-12332 Aug 09 j 03:50	22° \mathcal{B} 07'08	
	-12333 Oct 15 j 07:24	30° $\mathcal{R}\mathcal{E}$		desc. node		-12332 Aug 11 j 11:58	25° \mathcal{B} 51'03	
inferior conj	-12333 Oct 15 j 15:33	29° \mathcal{E} 38'31	3°03'45			-12332 Aug 14 j 02:02	0° Π	
minimum elong	-12333 Oct 15 j 11:47	29° \mathcal{E} 48'28	3°03'25	evening rise		-12332 Aug 23 j 22:38	16° Π 03'25	
min. Earth dist.	-12333 Oct 18 j 02:13	27° \mathcal{E} 04'10	0.63061 AU			-12332 Sep 01 j 10:35	0° \mathcal{E}	
morning rise	-12333 Oct 21 j 18:43	23° \mathcal{E} 43'50		evening max el		-12332 Sep 12 j 10:50	15° \mathcal{E} 29'20	18°32'43
direct	-12333 Oct 28 j 19:17	21° \mathcal{E} 04'48		retrograde		-12332 Sep 19 j 02:49	19° \mathcal{E} 10'58	
morning max el	-12333 Nov 11 j 11:05	28° \mathcal{E} 35'53	27°33'00	asc. node		-12332 Sep 20 j 10:53	19° \mathcal{E} 01'04	
	-12333 Nov 12 j 20:40	0° Ω		evening set		-12332 Sep 21 j 23:54	18° \mathcal{E} 25'16	
desc. node	-12333 Nov 21 j 14:55	10° Ω 29'12		inferior conj		-12332 Sep 28 j 01:47	12° \mathcal{E} 47'41	2°15'12
	-12333 Dec 04 j 09:39	0° \mathcal{M}		minimum elong		-12332 Sep 27 j 22:45	12° \mathcal{E} 56'29	2°14'57
morning set	-12333 Dec 15 j 09:32	20° \mathcal{M} 25'03		min. Earth dist.		-12332 Sep 29 j 23:34	10° \mathcal{E} 34'40	0.64493 AU
	-12333 Dec 20 j 01:02	0° $\underline{\Omega}$		morning rise		-12332 Oct 03 j 21:00	6° \mathcal{E} 40'37	
max. Earth dist.	-12333 Dec 20 j 20:54	1° $\underline{\Omega}$ 45'15	1.33393 AU	direct		-12332 Oct 10 j 14:13	3° \mathcal{E} 57'21	
				morning max el		-12332 Oct 23 j 20:43	11° \mathcal{E} 27'56	27°08'49
superior conj	-12333 Dec 22 j 22:41	6° $\underline{\Omega}$ 11'29	-1°11'12	desc. node		-12332 Nov 07 j 11:33	29° \mathcal{E} 31'37	
minimum elong	-12333 Dec 23 j 00:44	6° $\underline{\Omega}$ 22'27	1°11'01			-12332 Nov 07 j 19:24	0° Ω	
evening rise	-12333 Dec 30 j 00:50	21° $\underline{\Omega}$ 23'36				-12332 Nov 25 j 19:20	0° \mathcal{M}	
asc. node	-12333 Dec 31 j 11:25	24° $\underline{\Omega}$ 23'28		morning set		-12332 Nov 28 j 01:49	4° \mathcal{M} 20'49	
	-12332 Jan 03 j 06:16	0° \mathcal{M}		max. Earth dist.		-12332 Dec 02 j 20:38	13° \mathcal{M} 54'34	1.34280 AU
evening max el	-12332 Jan 22 j 18:43	28° \mathcal{M} 53'48	23°33'49					
	-12332 Jan 24 j 00:02	0° \mathcal{J}		superior conj		-12332 Dec 06 j 04:34	20° \mathcal{M} 50'15	-1°25'07
retrograde	-12332 Feb 05 j 04:42	5° \mathcal{J} 26'50		minimum elong		-12332 Dec 06 j 06:23	20° \mathcal{M} 59'49	1°24'50
evening set	-12332 Feb 09 j 01:43	4° \mathcal{J} 53'54				-12332 Dec 10 j 12:18	0° $\underline{\Omega}$	
min. Earth dist.	-12332 Feb 16 j 07:40	1° \mathcal{J} 30'11	0.56018 AU	evening rise		-12332 Dec 13 j 11:25	6° $\underline{\Omega}$ 14'36	
desc. node	-12332 Feb 17 j 16:50	0° \mathcal{J} 40'19		asc. node		-12332 Dec 17 j 08:48	14° $\underline{\Omega}$ 08'49	
inferior conj	-12332 Feb 18 j 01:41	0° \mathcal{J} 26'57	-0°05'37			-12332 Dec 26 j 11:33	0° \mathcal{M}	
minimum elong	-12332 Feb 18 j 01:26	0° \mathcal{J} 27'20	0°06'11	evening max el		-12331 Jan 03 j 14:20	9° \mathcal{M} 50'19	22°00'23
transit middle	-12332 Feb 18 j 01:26	0° \mathcal{J} 27'20	0°06'11	retrograde		-12331 Jan 15 j 21:46	15° \mathcal{M} 41'32	
transit begin	-12332 Feb 17 j 21:44	0° \mathcal{J} 32'55		evening set		-12331 Jan 19 j 00:23	15° \mathcal{M} 20'05	
transit end	-12332 Feb 18 j 05:08	0° \mathcal{J} 21'46		inferior conj		-12331 Jan 28 j 01:49	11° \mathcal{M} 15'13	1°38'08
	-12332 Feb 18 j 19:38	30° $\mathcal{R}\mathcal{M}$		minimum elong		-12331 Jan 28 j 05:50	11° \mathcal{M} 09'29	1°36'25
morning rise	-12332 Feb 27 j 03:22	26° \mathcal{M} 22'04		min. Earth dist.		-12331 Jan 27 j 22:04	11° \mathcal{M} 20'34	0.55470 AU
direct	-12332 Feb 29 j 07:30	26° \mathcal{M} 10'05		desc. node		-12331 Feb 03 j 13:36	7° \mathcal{M} 59'19	
	-12332 Mar 09 j 12:10	0° \mathcal{J}		morning rise		-12331 Feb 06 j 11:37	7° \mathcal{M} 09'21	
morning max el	-12332 Mar 10 j 18:38	1° \mathcal{J} 07'56	20°07'50	direct		-12331 Feb 09 j 00:25	6° \mathcal{M} 54'46	
asc. node	-12332 Mar 28 j 09:35	29° \mathcal{J} 04'18		morning max el		-12331 Feb 21 j 02:15	12° \mathcal{M} 43'05	21°26'43
morning set	-12332 Mar 28 j 20:51	0° \mathcal{B} 01'05				-12331 Mar 05 j 14:11	0° \mathcal{J}	
	-12332 Mar 28 j 20:38	0° \mathcal{B}		morning set		-12331 Mar 13 j 05:02	14° \mathcal{J} 46'45	
				asc. node		-12331 Mar 15 j 06:38	19° \mathcal{J} 04'17	
superior conj	-12332 Apr 05 j 19:03	16° \mathcal{B} 07'14	1°10'30					
minimum elong	-12332 Apr 05 j 16:14	15° \mathcal{B} 53'06	1°09'22	superior conj		-12331 Mar 20 j 16:13	0° \mathcal{B} 21'12	0°48'24
max. Earth dist.	-12332 Apr 10 j 20:40	26° \mathcal{B} 03'42	1.36505 AU	minimum elong		-12331 Mar 20 j 14:10	0° \mathcal{B} 10'36	0°47'18

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12331 Mar 20 j 12:07	0°♄		max. Earth dist.	-12330 Mar 07 j 08:42	20°♄17'43	1.33997 AU
max. Earth dist.	-12331 Mar 24 j 09:43	7°♄58'15	1.35077 AU		-12330 Mar 12 j 02:51	0°♄	
evening rise	-12331 Mar 29 j 01:59	17°♄08'03		evening rise	-12330 Mar 12 j 15:55	1°♄04'37	
	-12331 Apr 05 j 03:17	0°♄			-12330 Mar 29 j 02:52	0°♄	
	-12331 Apr 24 j 21:54	0°♄		evening max el	-12330 Apr 15 j 17:31	22°♄39'48	27°22'29
desc. node	-12331 May 02 j 12:56	8°♄49'23		desc. node	-12330 Apr 19 j 10:16	25°♄56'27	
evening max el	-12331 May 03 j 07:01	9°♄34'38	26°50'28		-12330 Apr 27 j 02:21	0°♄	
retrograde	-12331 May 16 j 09:45	17°♄03'47		retrograde	-12330 Apr 29 j 08:21	0°♄15'20	
evening set	-12331 May 23 j 02:07	14°♄16'52			-12330 May 01 j 12:35	30°♄	
min. Earth dist.	-12331 May 26 j 23:23	10°♄16'06	0.65354 AU	evening set	-12330 May 06 j 06:23	27°♄35'21	
inferior conj	-12331 May 28 j 19:14	8°♄05'02	-3°09'13	min. Earth dist.	-12330 May 09 j 23:01	24°♄08'34	0.63956 AU
minimum elong	-12331 May 28 j 21:03	7°♄59'36	3°09'16	inferior conj	-12330 May 12 j 09:31	21°♄29'16	-3°22'58
morning rise	-12331 Jun 03 j 16:17	2°♄24'51		minimum elong	-12330 May 12 j 10:20	21°♄27'02	3°23'26
direct	-12331 Jun 06 j 18:43	1°♄31'05		morning rise	-12330 May 18 j 15:04	16°♄05'41	
asc. node	-12331 Jun 11 j 07:02	3°♄17'26		direct	-12330 May 21 j 11:44	15°♄23'18	
morning max el	-12331 Jun 13 j 10:37	5°♄11'55	18°38'09	morning max el	-12330 May 27 j 23:24	18°♄49'35	18°11'12
	-12331 Jun 30 j 07:58	0°♄		asc. node	-12330 May 29 j 03:46	20°♄05'12	
morning set	-12331 Jul 03 j 18:47	5°♄37'45			-12330 Jun 05 j 05:03	0°♄	
				morning set	-12330 Jun 15 j 00:30	16°♄27'46	
superior conj	-12331 Jul 18 j 22:34	29°♄59'20	0°58'43		-12330 Jun 23 j 01:14	0°♄	
minimum elong	-12331 Jul 19 j 04:44	0°♄23'49	0°58'26				
	-12331 Jul 18 j 22:44	0°♄		superior conj	-12330 Jun 28 j 08:19	8°♄42'15	1°30'58
max. Earth dist.	-12331 Jul 20 j 09:34	2°♄18'04	1.44545 AU	minimum elong	-12330 Jun 28 j 14:02	9°♄05'28	1°30'38
desc. node	-12331 Jul 29 j 09:21	16°♄30'46		max. Earth dist.	-12330 Jul 03 j 00:31	16°♄14'34	1.43967 AU
evening rise	-12331 Aug 04 j 09:04	25°♄58'59			-12330 Jul 11 j 17:30	0°♄	
	-12331 Aug 06 j 21:58	0°♄		evening rise	-12330 Jul 14 j 18:23	4°♄44'00	
evening max el	-12331 Aug 26 j 21:40	28°♄59'33	19°11'10	desc. node	-12330 Jul 16 j 06:50	7°♄05'24	
	-12331 Aug 27 j 22:30	0°♄			-12330 Jul 31 j 10:11	0°♄	
retrograde	-12331 Sep 02 j 21:42	2°♄58'34		evening max el	-12330 Aug 10 j 03:22	12°♄28'21	20°05'30
evening set	-12331 Sep 06 j 02:32	1°♄59'29		retrograde	-12330 Aug 17 j 18:23	16°♄53'53	
asc. node	-12331 Sep 07 j 07:54	1°♄06'34		evening set	-12330 Aug 21 j 09:12	15°♄38'07	
	-12331 Sep 08 j 12:54	30°♄		asc. node	-12330 Aug 25 j 04:50	11°♄47'12	
inferior conj	-12331 Sep 11 j 20:24	26°♄08'37	1°23'28	inferior conj	-12330 Aug 26 j 20:54	9°♄37'11	0°31'21
minimum elong	-12331 Sep 11 j 18:29	26°♄14'38	1°23'30	minimum elong	-12330 Aug 26 j 20:11	9°♄39'34	0°31'45
min. Earth dist.	-12331 Sep 13 j 05:51	24°♄23'38	0.65625 AU	min. Earth dist.	-12330 Aug 27 j 18:59	8°♄23'59	0.66451 AU
morning rise	-12331 Sep 17 j 10:02	19°♄52'45		morning rise	-12330 Sep 01 j 06:55	3°♄16'37	
direct	-12331 Sep 23 j 15:23	17°♄15'32		direct	-12330 Sep 06 j 22:28	0°♄52'22	
morning max el	-12331 Oct 06 j 07:12	24°♄37'03	26°17'15	morning max el	-12330 Sep 18 j 17:09	7°♄52'14	25°06'14
	-12331 Oct 11 j 05:44	0°♄			-12330 Oct 06 j 03:09	0°♄	
desc. node	-12331 Oct 25 j 08:16	19°♄08'39		desc. node	-12330 Oct 12 j 05:06	9°♄10'26	
	-12331 Nov 01 j 05:08	0°♄		morning set	-12330 Oct 24 j 15:39	29°♄52'32	
morning set	-12331 Nov 11 j 05:27	17°♄34'19			-12330 Oct 24 j 17:20	0°♄	
max. Earth dist.	-12331 Nov 15 j 09:53	25°♄33'52	1.35590 AU	max. Earth dist.	-12330 Oct 28 j 13:11	6°♄56'27	1.37288 AU
	-12331 Nov 17 j 15:42	0°♄					
				superior conj	-12330 Nov 03 j 18:45	18°♄50'02	-1°37'26
superior conj	-12331 Nov 20 j 04:15	5°♄05'59	-1°34'21	minimum elong	-12330 Nov 03 j 18:33	18°♄49'01	1°36'54
minimum elong	-12331 Nov 20 j 05:20	5°♄11'32	1°33'59		-12330 Nov 09 j 09:01	0°♄	
evening rise	-12331 Nov 27 j 19:37	20°♄53'23		evening rise	-12330 Nov 11 j 23:32	5°♄14'38	
	-12331 Dec 02 j 09:07	0°♄		asc. node	-12330 Nov 21 j 03:31	22°♄23'26	
asc. node	-12331 Dec 04 j 06:10	3°♄31'26			-12330 Nov 26 j 10:01	0°♄	
evening max el	-12331 Dec 16 j 17:22	21°♄11'01	20°36'29	evening max el	-12330 Nov 29 j 06:42	3°♄06'24	19°29'19
retrograde	-12331 Dec 27 j 13:06	26°♄15'48		retrograde	-12330 Dec 08 j 13:43	7°♄30'08	
evening set	-12331 Dec 30 j 05:53	25°♄58'08		evening set	-12330 Dec 11 j 02:35	7°♄11'58	
inferior conj	-12330 Jan 08 j 00:09	21°♄58'36	3°07'54	inferior conj	-12330 Dec 19 j 09:25	3°♄02'49	4°02'02
minimum elong	-12330 Jan 08 j 05:55	21°♄50'03	3°06'20	minimum elong	-12330 Dec 19 j 12:51	2°♄57'10	4°01'38
min. Earth dist.	-12330 Jan 09 j 11:29	21°♄06'25	0.55780 AU	min. Earth dist.	-12330 Dec 22 j 01:06	1°♄18'36	0.56869 AU
morning rise	-12330 Jan 17 j 04:31	17°♄36'15			-12330 Dec 24 j 05:00	30°♄	
direct	-12330 Jan 20 j 16:08	17°♄09'33		morning rise	-12330 Dec 27 j 20:57	28°♄16'38	
desc. node	-12330 Jan 21 j 10:17	17°♄10'51		direct	-12329 Jan 01 j 16:59	27°♄23'22	
morning max el	-12330 Feb 02 j 23:25	23°♄42'14	22°59'27	desc. node	-12329 Jan 08 j 06:55	29°♄02'29	
	-12330 Feb 08 j 13:34	0°♄			-12329 Jan 10 j 00:31	0°♄	
morning set	-12330 Feb 25 j 16:19	29°♄45'22		morning max el	-12329 Jan 15 j 14:35	4°♄24'13	24°35'58
	-12330 Feb 25 j 19:07	0°♄			-12329 Feb 02 j 16:55	0°♄	
asc. node	-12330 Mar 02 j 03:45	9°♄15'01		morning set	-12329 Feb 10 j 04:50	14°♄50'19	
superior conj	-12330 Mar 04 j 20:15	14°♄59'01	0°25'01	superior conj	-12329 Feb 17 j 04:50	29°♄52'59	0°01'31
minimum elong	-12330 Mar 04 j 19:12	14°♄53'26	0°24'07	minimum elong	-12329 Feb 17 j 04:48	29°♄52'46	0°00'54

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

behind sun begin	-12329 Feb 16 j 23:42	29° \mathbb{M} 25'14			-12328 Jan 25 j 17:55	0° \mathbb{M}	
behind sun end	-12329 Feb 17 j 09:53	0° \mathbb{A} 20'17					
asc. node	-12329 Feb 17 j 00:59	29° \mathbb{M} 32'11		superior conj	-12328 Feb 01 j 15:56	14° \mathbb{M} 54'56	-0°21'15
	-12329 Feb 17 j 06:08	0° \mathbb{A}		minimum elong	-12328 Feb 01 j 16:48	14° \mathbb{M} 59'39	0°21'35
max. Earth dist.	-12329 Feb 18 j 15:54	3° \mathbb{A} 01'56	1.33268 AU	max. Earth dist.	-12328 Feb 02 j 04:05	16° \mathbb{M} 01'08	1.32871 AU
evening rise	-12329 Feb 24 j 14:54	15° \mathbb{A} 30'34		asc. node	-12328 Feb 03 j 22:17	19° \mathbb{M} 50'34	
	-12329 Mar 04 j 04:11	0° \mathbb{B}		evening rise	-12328 Feb 08 j 19:59	0° \mathbb{A} 14'56	
	-12329 Mar 24 j 02:50	0° \approx			-12328 Feb 08 j 17:06	0° \mathbb{A}	
evening max el	-12329 Mar 29 j 02:10	5° \approx 21'17	27°24'10		-12328 Feb 25 j 08:46	0° \mathbb{B}	
desc. node	-12329 Apr 06 j 07:28	11° \approx 28'28		evening max el	-12328 Mar 10 j 06:40	17° \mathbb{B} 28'49	26°53'03
retrograde	-12329 Apr 12 j 00:36	12° \approx 55'16		desc. node	-12328 Mar 23 j 04:35	24° \mathbb{B} 51'56	
evening set	-12329 Apr 18 j 20:45	10° \approx 35'37		retrograde	-12328 Mar 24 j 08:59	24° \mathbb{B} 55'35	
min. Earth dist.	-12329 Apr 22 j 13:50	7° \approx 33'09	0.62215 AU	evening set	-12328 Mar 30 j 18:00	23° \mathbb{B} 06'56	
inferior conj	-12329 Apr 25 j 13:24	4° \approx 39'28	-3°22'15	min. Earth dist.	-12328 Apr 03 j 19:57	20° \mathbb{B} 15'37	0.60258 AU
minimum elong	-12329 Apr 25 j 12:41	4° \approx 41'14	3°22'51	inferior conj	-12328 Apr 07 j 03:22	17° \mathbb{B} 27'17	-3°01'58
	-12329 May 01 j 07:54	30° \mathbb{R} \mathbb{B}		minimum elong	-12328 Apr 07 j 00:53	17° \mathbb{B} 32'35	3°02'19
morning rise	-12329 May 02 j 06:07	29° \mathbb{B} 34'11		morning rise	-12328 Apr 14 j 10:09	12° \mathbb{B} 41'35	
direct	-12329 May 04 j 22:00	29° \mathbb{B} 01'33		direct	-12328 Apr 16 j 21:40	12° \mathbb{B} 17'16	
	-12329 May 08 j 10:29	0° \approx		morning max el	-12328 Apr 24 j 01:41	15° \mathbb{B} 48'13	18°12'24
morning max el	-12329 May 11 j 13:18	2° \approx 24'06	18°02'21	asc. node	-12328 May 01 j 21:28	26° \mathbb{B} 23'24	
asc. node	-12329 May 16 j 00:35	7° \approx 51'39			-12328 May 04 j 00:14	0° \approx	
morning set	-12329 May 28 j 05:15	28° \approx 23'54		morning set	-12328 May 10 j 04:24	11° \approx 15'55	
	-12329 May 29 j 02:48	0° \mathbb{H}					
superior conj	-12329 Jun 08 j 18:36	18° \mathbb{H} 37'15	1°46'51	superior conj	-12328 May 20 j 07:32	29° \approx 52'07	1°48'02
minimum elong	-12329 Jun 08 j 20:41	18° \mathbb{H} 46'06	1°46'38	minimum elong	-12328 May 20 j 06:23	29° \approx 47'02	1°47'38
max. Earth dist.	-12329 Jun 15 j 11:09	29° \mathbb{H} 45'56	1.42783 AU		-12328 May 20 j 09:17	0° \mathbb{H}	
	-12329 Jun 15 j 14:36	0° \mathbb{Y}		max. Earth dist.	-12328 May 27 j 16:42	12° \mathbb{H} 41'50	1.41148 AU
evening rise	-12329 Jun 23 j 18:27	13° \mathbb{Y} 03'08		evening rise	-12328 Jun 02 j 08:19	22° \mathbb{H} 03'06	
desc. node	-12329 Jul 03 j 04:20	27° \mathbb{Y} 31'12			-12328 Jun 07 j 07:54	0° \mathbb{Y}	
	-12329 Jul 04 j 20:01	0° \mathbb{B}		desc. node	-12328 Jun 19 j 01:51	17° \mathbb{Y} 43'44	
evening max el	-12329 Jul 24 j 02:25	25° \mathbb{B} 53'26	21°13'30		-12328 Jun 27 j 22:37	0° \mathbb{B}	
	-12329 Jul 29 j 06:47	0° \mathbb{I}		evening max el	-12328 Jul 05 j 18:46	9° \mathbb{B} 15'05	22°31'29
retrograde	-12329 Aug 01 j 14:42	0° \mathbb{I} 53'55		retrograde	-12328 Jul 15 j 09:12	14° \mathbb{B} 56'38	
	-12329 Aug 04 j 17:22	30° \mathbb{R} \mathbb{B}		evening set	-12328 Jul 20 j 01:55	12° \mathbb{B} 59'54	
evening set	-12329 Aug 05 j 17:39	29° \mathbb{B} 18'33		inferior conj	-12328 Jul 25 j 07:15	6° \mathbb{B} 46'59	-1°06'34
inferior conj	-12329 Aug 11 j 01:09	23° \mathbb{B} 10'26	-0°19'11	minimum elong	-12328 Jul 25 j 08:33	6° \mathbb{B} 42'27	1°05'39
minimum elong	-12329 Aug 11 j 01:32	23° \mathbb{B} 09'05	0°18'28	min. Earth dist.	-12328 Jul 25 j 08:01	6° \mathbb{B} 44'19	0.67232 AU
min. Earth dist.	-12329 Aug 11 j 12:31	22° \mathbb{B} 31'29	0.66988 AU	asc. node	-12328 Jul 28 j 22:36	2° \mathbb{B} 06'24	
asc. node	-12329 Aug 12 j 01:45	21° \mathbb{B} 46'28		morning rise	-12328 Jul 30 j 15:07	0° \mathbb{B} 29'05	
morning rise	-12329 Aug 16 j 09:16	16° \mathbb{B} 49'15			-12328 Jul 31 j 06:25	30° \mathbb{R} \mathbb{Y}	
direct	-12329 Aug 21 j 10:41	14° \mathbb{B} 41'53		direct	-12328 Aug 04 j 03:14	28° \mathbb{Y} 40'00	
morning max el	-12329 Sep 01 j 03:09	21° \mathbb{B} 07'19	23°44'33	morning max el	-12328 Aug 08 j 08:53	0° \mathbb{B}	
	-12329 Sep 08 j 17:55	0° \mathbb{I}			-12328 Aug 13 j 15:48	4° \mathbb{B} 23'40	22°20'55
desc. node	-12329 Sep 29 j 02:01	29° \mathbb{I} 29'03		desc. node	-12328 Sep 01 j 23:57	0° \mathbb{I}	
	-12329 Sep 29 j 09:48	0° \mathbb{E}		morning set	-12328 Sep 14 j 23:03	19° \mathbb{I} 59'21	
morning set	-12329 Oct 06 j 03:01	11° \mathbb{E} 00'33			-12328 Sep 15 j 12:09	20° \mathbb{I} 52'00	
max. Earth dist.	-12329 Oct 10 j 11:53	18° \mathbb{E} 31'33	1.39238 AU	max. Earth dist.	-12328 Sep 21 j 01:42	0° \mathbb{E}	
	-12329 Oct 16 j 20:22	0° \mathbb{Q}			-12328 Sep 21 j 13:10	0° \mathbb{E} 48'00	1.41191 AU
superior conj	-12329 Oct 17 j 20:00	1° \mathbb{Q} 50'11	-1°32'25	superior conj	-12328 Sep 29 j 02:51	13° \mathbb{E} 52'32	-1°17'08
minimum elong	-12329 Oct 17 j 18:02	1° \mathbb{Q} 41'00	1°31'40	minimum elong	-12328 Sep 28 j 23:12	13° \mathbb{E} 36'21	1°16'06
evening rise	-12329 Oct 26 j 20:46	19° \mathbb{Q} 11'13			-12328 Oct 07 j 22:47	0° \mathbb{Q}	
	-12329 Nov 01 j 13:38	0° \mathbb{P}		evening rise	-12328 Oct 09 j 08:17	2° \mathbb{Q} 36'02	
asc. node	-12329 Nov 08 j 00:52	10° \mathbb{P} 34'01		asc. node	-12328 Oct 24 j 22:09	27° \mathbb{Q} 50'34	
evening max el	-12329 Nov 12 j 05:54	15° \mathbb{P} 34'15	18°41'47	evening max el	-12328 Oct 25 j 12:52	28° \mathbb{Q} 28'16	18°14'31
retrograde	-12329 Nov 20 j 06:59	19° \mathbb{P} 28'54			-12328 Oct 27 j 06:40	0° \mathbb{P}	
evening set	-12329 Nov 22 j 18:29	19° \mathbb{P} 08'02		retrograde	-12328 Nov 01 j 17:48	2° \mathbb{P} 06'35	
inferior conj	-12329 Nov 30 j 12:37	14° \mathbb{P} 39'57	4°17'17	evening set	-12328 Nov 04 j 05:18	1° \mathbb{P} 41'36	
minimum elong	-12329 Nov 30 j 12:17	14° \mathbb{P} 40'35	4°17'29		-12328 Nov 07 j 12:20	30° \mathbb{R} \mathbb{Q}	
min. Earth dist.	-12329 Dec 03 j 16:36	12° \mathbb{P} 17'24	0.58490 AU	inferior conj	-12328 Nov 11 j 10:53	26° \mathbb{Q} 51'38	4°02'34
morning rise	-12329 Dec 08 j 04:12	9° \mathbb{P} 31'12		minimum elong	-12328 Nov 11 j 07:57	26° \mathbb{Q} 58'01	4°02'37
direct	-12329 Dec 14 j 05:36	8° \mathbb{P} 01'14		min. Earth dist.	-12328 Nov 14 j 13:31	24° \mathbb{Q} 10'07	0.60326 AU
desc. node	-12329 Dec 26 j 03:32	13° \mathbb{P} 21'13		morning rise	-12328 Nov 18 j 09:08	21° \mathbb{Q} 22'47	
morning max el	-12329 Dec 28 j 06:22	15° \mathbb{P} 15'32	26°02'02	direct	-12328 Nov 25 j 04:28	19° \mathbb{Q} 17'37	
	-12328 Jan 09 j 04:30	0° \mathbb{Q}		morning max el	-12328 Dec 09 j 03:50	26° \mathbb{Q} 39'41	27°03'37
morning set	-12328 Jan 25 j 16:45	29° \mathbb{Q} 53'56		desc. node	-12328 Dec 12 j 00:09	29° \mathbb{Q} 35'02	
					-12328 Dec 12 j 09:14	0° \mathbb{P}	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12327 Jan 01 j 12:49	0°♎		morning set	-12327 Dec 24 j 07:10	29°♎29'43	
morning set	-12327 Jan 09 j 02:14	14°♎49'32			-12327 Dec 24 j 13:07	0°♎	
max. Earth dist.	-12327 Jan 15 j 17:35	29°♎02'46	1.32799 AU	max. Earth dist.	-12327 Dec 30 j 04:36	11°♎53'20	1.33064 AU
superior conj	-12327 Jan 16 j 03:50	29°♎58'46	-0°42'30	superior conj	-12327 Dec 31 j 14:51	14°♎58'33	-1°01'33
minimum elong	-12327 Jan 16 j 05:24	0°♎07'17	0°42'35	minimum elong	-12327 Dec 31 j 16:49	15°♎09'12	1°01'27
	-12327 Jan 16 j 04:04	0°♎		evening rise	-12326 Jan 07 j 15:47	0°♎08'08	
asc. node	-12327 Jan 20 j 19:36	10°♎05'57		asc. node	-12326 Jan 07 j 16:55	0°♎14'03	
evening rise	-12327 Jan 23 j 04:54	15°♎09'42			-12326 Jan 07 j 14:15	0°♎	
	-12327 Jan 30 j 17:44	0°♎			-12326 Jan 24 j 11:31	0°♎	
evening max el	-12327 Feb 20 j 05:27	28°♎58'26	25°51'21	evening max el	-12326 Feb 01 j 23:33	9°♎59'10	24°27'22
	-12327 Feb 21 j 08:04	0°♎		retrograde	-12326 Feb 15 j 18:49	16°♎52'02	
retrograde	-12327 Mar 06 j 07:34	6°♎12'50		evening set	-12326 Feb 20 j 06:00	16°♎07'05	
desc. node	-12327 Mar 10 j 01:37	5°♎38'24		desc. node	-12326 Feb 24 j 22:34	13°♎55'37	
evening set	-12327 Mar 11 j 20:24	4°♎58'37		min. Earth dist.	-12326 Feb 26 j 12:59	12°♎57'26	0.56681 AU
min. Earth dist.	-12327 Mar 16 j 18:47	2°♎04'27	0.58314 AU	inferior conj	-12326 Mar 01 j 00:29	11°♎22'12	-1°00'40
inferior conj	-12327 Mar 19 j 23:46	29°♎43'26	-2°16'00	minimum elong	-12326 Feb 28 j 22:14	11°♎25'49	1°00'42
minimum elong	-12327 Mar 19 j 20:17	29°♎49'52	2°15'56	morning rise	-12326 Mar 09 j 17:33	7°♎12'28	
	-12327 Mar 19 j 14:49	30°♎		direct	-12326 Mar 11 j 21:21	6°♎59'34	
morning rise	-12327 Mar 27 j 23:18	25°♎17'28		morning max el	-12326 Mar 21 j 10:07	11°♎30'05	19°30'54
direct	-12327 Mar 30 j 06:29	24°♎59'57			-12326 Apr 03 j 00:24	0°♎	
morning max el	-12327 Apr 07 j 09:36	28°♎53'08	18°41'49	asc. node	-12326 Apr 05 j 15:19	5°♎01'45	
	-12327 Apr 08 j 12:04	0°♎		morning set	-12326 Apr 07 j 15:50	9°♎01'30	
asc. node	-12327 Apr 18 j 18:23	15°♎29'26					
morning set	-12327 Apr 23 j 17:12	24°♎51'38		superior conj	-12326 Apr 15 j 22:25	25°♎31'37	1°22'02
	-12327 Apr 26 j 08:51	0°♎		minimum elong	-12326 Apr 15 j 19:22	25°♎16'41	1°21'00
					-12326 Apr 18 j 05:42	0°♎	
superior conj	-12327 May 02 j 18:36	12°♎15'03	1°38'31	max. Earth dist.	-12326 Apr 21 j 18:39	6°♎41'33	1.37455 AU
minimum elong	-12327 May 02 j 15:51	12°♎02'07	1°37'45	evening rise	-12326 Apr 25 j 19:03	14°♎00'13	
max. Earth dist.	-12327 May 09 j 17:46	24°♎56'18	1.39287 AU		-12326 May 05 j 05:22	0°♎	
	-12327 May 12 j 15:28	0°♎		desc. node	-12326 May 23 j 20:54	27°♎01'33	
evening rise	-12327 May 14 j 00:29	2°♎21'07			-12326 May 26 j 06:55	0°♎	
	-12327 May 31 j 14:04	0°♎		evening max el	-12326 May 31 j 15:37	5°♎55'18	25°13'05
desc. node	-12327 Jun 05 j 23:23	7°♎36'33		retrograde	-12326 Jun 12 j 12:22	12°♎54'05	
evening max el	-12327 Jun 18 j 06:07	22°♎34'32	23°53'53	evening set	-12326 Jun 18 j 10:10	10°♎19'08	
retrograde	-12327 Jun 29 j 00:40	28°♎58'03		min. Earth dist.	-12326 Jun 22 j 19:35	5°♎16'57	0.66756 AU
evening set	-12327 Jul 04 j 08:05	26°♎40'25		inferior conj	-12326 Jun 23 j 17:54	4°♎03'08	-2°26'30
min. Earth dist.	-12327 Jul 09 j 03:08	21°♎00'08	0.67164 AU	minimum elong	-12326 Jun 23 j 20:10	3°♎55'41	2°25'51
inferior conj	-12327 Jul 09 j 13:25	20°♎24'56	-1°49'27		-12326 Jun 27 j 00:59	30°♎	
minimum elong	-12327 Jul 09 j 15:23	20°♎18'14	1°48'34	morning rise	-12326 Jun 29 j 06:11	28°♎01'39	
morning rise	-12327 Jul 14 j 22:39	14°♎13'40		direct	-12326 Jul 02 j 20:30	26°♎46'33	
asc. node	-12327 Jul 15 j 19:25	13°♎38'14		asc. node	-12326 Jul 02 j 16:11	26°♎46'43	
direct	-12327 Jul 18 j 22:55	12°♎42'25			-12326 Jul 09 j 04:49	0°♎	
morning max el	-12327 Jul 27 j 09:35	17°♎43'57	21°02'31	morning max el	-12326 Jul 10 j 09:46	1°♎10'43	19°54'48
	-12327 Aug 06 j 03:37	0°♎			-12326 Jul 30 j 19:37	0°♎	
morning set	-12327 Aug 25 j 22:48	29°♎40'53		morning set	-12326 Aug 05 j 02:09	8°♎11'15	
	-12327 Aug 26 j 03:42	0°♎		max. Earth dist.	-12326 Aug 17 j 08:44	27°♎30'32	1.44035 AU
desc. node	-12327 Sep 01 j 20:10	10°♎36'28			-12326 Aug 18 j 22:08	0°♎	
max. Earth dist.	-12327 Sep 03 j 20:16	13°♎51'05	1.42865 AU	desc. node	-12326 Aug 19 j 17:23	1°♎17'13	
superior conj	-12327 Sep 10 j 09:22	24°♎41'13	-0°49'44	superior conj	-12326 Aug 21 j 12:16	4°♎09'52	-0°10'40
minimum elong	-12327 Sep 10 j 05:26	24°♎24'38	0°48'33	minimum elong	-12326 Aug 21 j 11:10	4°♎05'26	0°09'51
	-12327 Sep 13 j 12:20	0°♎		behind sun begin	-12326 Aug 21 j 02:30	3°♎30'28	
evening rise	-12327 Sep 22 j 06:01	15°♎18'42		behind sun end	-12326 Aug 21 j 19:49	4°♎40'26	
	-12327 Sep 30 j 15:51	0°♎		evening rise	-12326 Sep 04 j 08:51	27°♎07'07	
evening max el	-12327 Oct 09 j 00:40	11°♎40'18	18°07'01		-12326 Sep 06 j 01:41	0°♎	
asc. node	-12327 Oct 11 j 19:22	13°♎57'28		evening max el	-12326 Sep 22 j 14:22	25°♎04'10	18°18'13
retrograde	-12327 Oct 15 j 18:35	15°♎13'01		asc. node	-12326 Sep 28 j 16:31	28°♎38'44	
evening set	-12327 Oct 18 j 07:57	14°♎42'09		retrograde	-12326 Sep 29 j 05:06	28°♎40'12	
inferior conj	-12327 Oct 25 j 01:47	9°♎31'37	3°28'39	evening set	-12326 Oct 01 j 22:37	28°♎00'55	
minimum elong	-12327 Oct 24 j 21:56	9°♎41'06	3°28'24	inferior conj	-12326 Oct 08 j 05:55	22°♎32'31	2°43'47
min. Earth dist.	-12327 Oct 27 j 19:17	6°♎50'05	0.62115 AU	minimum elong	-12326 Oct 08 j 02:23	22°♎42'15	2°43'27
morning rise	-12327 Oct 31 j 10:48	3°♎45'13		min. Earth dist.	-12326 Oct 10 j 11:11	22°♎05'50	0.63704 AU
direct	-12327 Nov 07 j 12:05	1°♎14'50		morning rise	-12326 Oct 14 j 05:20	16°♎31'51	
morning max el	-12327 Nov 21 j 07:48	8°♎43'49	27°32'21	direct	-12326 Oct 21 j 03:24	13°♎49'22	
desc. node	-12327 Nov 28 j 20:46	17°♎12'25		morning max el	-12326 Nov 03 j 16:09	21°♎22'00	27°26'28
	-12327 Dec 07 j 21:39	0°♎			-12326 Nov 11 j 08:05	0°♎	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

desc. node	-12326 Nov 15 j 17:22	5°Ω49'15				-12325 Nov 05 j 19:11	0°Ω		
	-12326 Nov 30 j 22:01	0°ྐ		morning set		-12325 Nov 21 j 16:26	27°Ω25'08		
morning set	-12326 Dec 08 j 04:59	13°ྐ45'03				-12325 Nov 23 j 00:35	0°ྐ		
max. Earth dist.	-12326 Dec 13 j 09:16	24°ྐ19'40	1.33711 AU	max. Earth dist.		-12325 Nov 26 j 04:27	6°ྐ15'03	1.34783 AU	
superior conj	-12326 Dec 15 j 23:11	29°ྐ47'20	-1°17'37	superior conj		-12325 Nov 30 j 02:48	14°ྐ18'14	-1°29'42	
minimum elong	-12326 Dec 16 j 01:12	29°ྐ58'01	1°17'23	minimum elong		-12325 Nov 30 j 04:23	14°ྐ26'25	1°29'22	
	-12326 Dec 16 j 01:34	0°Ω		evening rise		-12325 Dec 07 j 12:44	29°ྐ50'38		
evening rise	-12326 Dec 23 j 02:56	15°Ω03'37				-12325 Dec 07 j 14:33	0°Ω		
asc. node	-12326 Dec 25 j 14:16	20°Ω09'34		asc. node		-12325 Dec 12 j 11:39	9°Ω46'31		
	-12326 Dec 30 j 17:04	0°ℒ				-12325 Dec 25 j 17:09	0°ℒ		
evening max el	-12325 Jan 14 j 17:07	20°ℒ50'57	22°53'38	evening max el		-12325 Dec 27 j 15:34	1°ℒ56'57	21°23'05	
retrograde	-12325 Jan 27 j 17:54	27°ℒ08'01		retrograde		-12324 Jan 08 j 08:30	7°ℒ27'46		
evening set	-12325 Jan 31 j 05:38	26°ℒ41'24		evening set		-12324 Jan 11 j 05:54	7°ℒ08'44		
min. Earth dist.	-12325 Feb 08 j 04:47	23°ℒ04'11	0.55673 AU	inferior conj		-12324 Jan 20 j 05:11	3°ℒ08'43	2°19'30	
inferior conj	-12325 Feb 09 j 07:26	22°ℒ25'17	0°38'14	minimum elong		-12324 Jan 20 j 10:28	3°ℒ01'09	2°17'39	
minimum elong	-12325 Feb 09 j 09:02	22°ℒ22'57	0°37'08	min. Earth dist.		-12324 Jan 20 j 18:58	2°ℒ48'59	0.55500 AU	
desc. node	-12325 Feb 11 j 19:23	20°ℒ59'47				-12324 Jan 26 j 06:33	30°℞Ω		
morning rise	-12325 Feb 18 j 13:57	18°ℒ21'47		morning rise		-12324 Jan 29 j 14:22	28°Ω57'02		
direct	-12325 Feb 20 j 19:54	18°ℒ09'38		desc. node		-12324 Jan 29 j 16:06	28°Ω56'08		
morning max el	-12325 Mar 04 j 00:25	23°ℒ29'22	20°39'19	direct		-12324 Feb 01 j 11:16	28°Ω38'41		
	-12325 Mar 09 j 14:05	0°♌				-12324 Feb 07 j 09:06	0°ℒ		
morning set	-12325 Mar 22 j 21:14	23°♌36'03		morning max el		-12324 Feb 14 j 03:13	4°ℒ47'53	22°04'48	
asc. node	-12325 Mar 23 j 12:19	24°♌53'05				-12324 Mar 02 j 02:14	0°♌		
	-12325 Mar 25 j 23:53	0°♍		morning set		-12324 Mar 06 j 06:59	8°♌27'58		
				asc. node		-12324 Mar 09 j 09:24	14°♌58'08		
superior conj	-12325 Mar 30 j 14:17	9°♍27'37	1°01'23	superior conj		-12324 Mar 13 j 14:41	23°♌52'35	0°38'34	
minimum elong	-12325 Mar 30 j 11:45	9°♍14'43	1°00'15	minimum elong		-12324 Mar 13 j 13:03	23°♌44'00	0°37'32	
max. Earth dist.	-12325 Apr 04 j 01:48	18°♍24'33	1.35853 AU			-12324 Mar 16 j 13:31	0°♍		
evening rise	-12325 Apr 08 j 10:41	26°♍45'23		max. Earth dist.		-12324 Mar 16 j 19:09	0°♍28'53	1.34581 AU	
	-12325 Apr 10 j 04:54	0°♎		evening rise		-12324 Mar 21 j 17:50	10°♍20'10		
	-12325 Apr 28 j 14:02	0°♏				-12324 Apr 01 j 15:46	0°♎		
desc. node	-12325 May 10 j 18:22	15°♏46'48				-12324 Apr 23 j 02:03	0°♏		
evening max el	-12325 May 14 j 01:40	19°♏16'27	26°20'32	evening max el		-12324 Apr 25 j 12:38	2°♏31'16	27°07'34	
retrograde	-12325 May 26 j 19:28	26°♏38'21		desc. node		-12324 Apr 26 j 15:45	3°♏35'59		
evening set	-12325 Jun 02 j 05:54	23°♏53'08		retrograde		-12324 May 08 j 21:14	10°♏03'49		
min. Earth dist.	-12325 Jun 06 j 07:09	19°♏30'07	0.65974 AU	evening set		-12324 May 15 j 16:39	7°♏18'37		
inferior conj	-12325 Jun 07 j 18:43	17°♏38'57	-2°56'13	min. Earth dist.		-12324 May 19 j 11:39	3°♏32'50	0.64804 AU	
minimum elong	-12325 Jun 07 j 20:51	17°♏32'19	2°56'00	inferior conj		-12324 May 21 j 13:37	1°♏08'50	-3°16'36	
morning rise	-12325 Jun 13 j 11:56	11°♏50'02		minimum elong		-12324 May 21 j 15:05	1°♏04'36	3°16'50	
direct	-12325 Jun 16 j 18:11	10°♏49'02				-12324 May 22 j 13:42	30°℞♎		
asc. node	-12325 Jun 19 j 12:55	11°♏30'57		morning rise		-12324 May 27 j 13:56	25°♎35'09		
morning max el	-12325 Jun 23 j 16:01	14°♏43'21	19°01'25	direct		-12324 May 30 j 13:49	24°♎46'18		
	-12325 Jul 04 j 20:20	0°♐		asc. node		-12324 Jun 05 j 09:40	27°♎38'03		
morning set	-12325 Jul 15 j 17:45	17°♐16'03		morning max el		-12324 Jun 06 j 02:56	28°♎19'47	18°24'28	
	-12325 Jul 23 j 17:55	0°♑				-12324 Jun 07 j 15:39	0°♏		
max. Earth dist.	-12325 Jul 31 j 00:28	11°♑30'46	1.44559 AU	morning set		-12324 Jun 25 j 08:57	27°♏25'53		
						-12324 Jun 26 j 22:09	0°♐		
superior conj	-12325 Jul 31 j 17:13	12°♑37'02	0°34'23	superior conj		-12324 Jul 09 j 18:43	20°♐55'08	1°14'17	
minimum elong	-12325 Jul 31 j 21:18	12°♑53'10	0°34'24	minimum elong		-12324 Jul 10 j 01:20	21°♐21'34	1°13'55	
desc. node	-12325 Aug 06 j 14:44	21°♑58'31		max. Earth dist.		-12324 Jul 12 j 16:57	25°♐34'58	1.44382 AU	
	-12325 Aug 11 j 15:13	0°♒				-12324 Jul 15 j 11:51	0°♑		
evening rise	-12325 Aug 16 j 11:07	7°♒46'47		desc. node		-12324 Jul 23 j 12:11	12°♑36'38		
	-12325 Aug 30 j 11:20	0°♓		evening rise		-12324 Jul 26 j 09:51	17°♑09'32		
evening max el	-12325 Sep 06 j 03:07	8°♓34'22	18°47'06			-12324 Aug 03 j 15:34	0°♒		
retrograde	-12325 Sep 12 j 21:44	12°♓22'13		greatest brilliancy		-12324 Aug 05 j 23:25	3°♒34'56	-0.7m	
evening set	-12325 Sep 15 j 21:47	11°♓31'21		evening max el		-12324 Aug 19 j 12:08	22°♒04'56	19°32'31	
asc. node	-12325 Sep 15 j 13:35	11°♓42'13		retrograde		-12324 Aug 26 j 17:33	26°♒13'40		
inferior conj	-12325 Sep 21 j 20:05	5°♓48'03	1°53'30	evening set		-12324 Aug 30 j 02:27	25°♒07'48		
minimum elong	-12325 Sep 21 j 17:30	5°♓55'50	1°53'20	asc. node		-12324 Sep 01 j 10:36	23°♒08'12		
min. Earth dist.	-12325 Sep 23 j 12:38	3°♓46'04	0.65013 AU	inferior conj		-12324 Sep 04 j 17:29	19°♒12'29	1°01'17	
	-12325 Sep 27 j 01:54	30°℞♒		minimum elong		-12324 Sep 04 j 16:04	19°♒17'00	1°01'28	
morning rise	-12325 Sep 27 j 12:40	29°♒36'47		min. Earth dist.		-12324 Sep 05 j 21:59	17°♒40'44	0.66016 AU	
direct	-12325 Oct 04 j 01:22	26°♒54'39		morning rise		-12324 Sep 10 j 05:22	12°♒54'25		
	-12325 Oct 11 j 23:29	0°♔		direct		-12324 Sep 16 j 05:07	10°♒21'59		
morning max el	-12325 Oct 17 j 02:15	4°♔23'04	26°49'44						
desc. node	-12325 Nov 02 j 14:01	25°♔08'30							

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning max el	-12324 Sep 28 j 12:21	17° Π 35'09	25°48'55	min. Earth dist.	-12323 Aug 20 j 13:11	1° Π 44'40	0.66717 AU
	-12324 Oct 09 j 00:29	0° \mathfrak{C}			-12323 Aug 21 j 21:00	30° \mathfrak{R} \mathfrak{B}	
desc. node	-12324 Oct 19 j 10:46	14° \mathfrak{C} 57'16		morning rise	-12323 Aug 25 j 04:51	26° \mathfrak{B} 22'06	
	-12324 Oct 28 j 17:42	0° \mathfrak{Q}		direct	-12323 Aug 30 j 14:18	24° \mathfrak{B} 05'00	
morning set	-12324 Nov 03 j 13:15	10° \mathfrak{Q} 16'42			-12323 Sep 10 j 01:37	0° Π	
max. Earth dist.	-12324 Nov 07 j 13:08	17° \mathfrak{Q} 44'43	1.36277 AU	morning max el	-12323 Sep 10 j 22:15	0° Π 50'59	24°32'19
					-12323 Oct 03 j 00:17	0° \mathfrak{C}	
superior conj	-12324 Nov 12 j 23:01	28° \mathfrak{Q} 22'01	-1°36'32	desc. node	-12323 Oct 06 j 07:39	5° \mathfrak{C} 07'03	
minimum elong	-12324 Nov 12 j 23:37	28° \mathfrak{Q} 25'04	1°36'06	morning set	-12323 Oct 16 j 14:21	22° \mathfrak{C} 06'16	
	-12324 Nov 13 j 18:28	0° \mathfrak{M}		max. Earth dist.	-12323 Oct 20 j 14:05	29° \mathfrak{C} 10'28	1.38108 AU
evening rise	-12324 Nov 20 j 19:23	14° \mathfrak{M} 22'53			-12323 Oct 21 j 01:01	0° \mathfrak{Q}	
asc. node	-12324 Nov 28 j 09:01	28° \mathfrak{M} 57'16					
	-12324 Nov 28 j 23:25	0° \mathfrak{L}		superior conj	-12323 Oct 27 j 08:26	11° \mathfrak{Q} 48'45	-1°36'25
evening max el	-12324 Dec 08 j 22:52	13° \mathfrak{L} 31'54	20°05'33	minimum elong	-12323 Oct 27 j 07:31	11° \mathfrak{Q} 44'21	1°35'49
retrograde	-12324 Dec 19 j 02:06	18° \mathfrak{L} 17'39		evening rise	-12323 Nov 04 j 20:48	28° \mathfrak{Q} 34'36	
evening set	-12324 Dec 21 j 17:04	17° \mathfrak{L} 59'57			-12323 Nov 05 j 14:05	0° \mathfrak{M}	
inferior conj	-12324 Dec 30 j 06:45	13° \mathfrak{L} 57'51	3°35'50	asc. node	-12323 Nov 15 j 06:24	17° \mathfrak{M} 33'03	
minimum elong	-12324 Dec 30 j 11:56	13° \mathfrak{L} 49'53	3°34'44	evening max el	-12323 Nov 21 j 16:27	25° \mathfrak{M} 41'02	19°06'29
min. Earth dist.	-12323 Jan 01 j 07:58	12° \mathfrak{L} 42'33	0.56170 AU	retrograde	-12323 Nov 30 j 09:42	29° \mathfrak{M} 51'10	
morning rise	-12323 Jan 08 j 04:59	9° \mathfrak{L} 26'01		evening set	-12323 Dec 02 j 21:45	29° \mathfrak{M} 32'03	
direct	-12323 Jan 12 j 06:13	8° \mathfrak{L} 49'44		inferior conj	-12323 Dec 10 j 23:09	25° \mathfrak{M} 15'06	4°12'54
desc. node	-12323 Jan 15 j 12:45	9° \mathfrak{L} 14'08		minimum elong	-12323 Dec 11 j 00:58	25° \mathfrak{M} 11'57	4°12'52
morning max el	-12323 Jan 25 j 20:53	15° \mathfrak{L} 35'47	23°40'49	min. Earth dist.	-12323 Dec 13 j 21:47	23° \mathfrak{M} 12'43	0.57515 AU
	-12323 Feb 06 j 04:13	0° \mathfrak{M}		morning rise	-12323 Dec 19 j 02:09	20° \mathfrak{M} 19'00	
morning set	-12323 Feb 18 j 19:03	23° \mathfrak{M} 30'14		direct	-12323 Dec 24 j 11:32	19° \mathfrak{M} 11'02	
	-12323 Feb 21 j 20:30	0° \mathfrak{J}		desc. node	-12322 Jan 02 j 09:22	22° \mathfrak{M} 11'36	
asc. node	-12323 Feb 24 j 06:35	5° \mathfrak{J} 12'08		morning max el	-12322 Jan 07 j 11:36	26° \mathfrak{M} 18'26	25°14'52
					-12322 Jan 11 j 00:07	0° \mathfrak{L}	
superior conj	-12323 Feb 25 j 20:55	8° \mathfrak{J} 38'00	0°15'01		-12322 Jan 30 j 02:21	0° \mathfrak{M}	
minimum elong	-12323 Feb 25 j 20:18	8° \mathfrak{J} 34'43	0°14'13	morning set	-12322 Feb 03 j 07:32	8° \mathfrak{M} 35'34	
behind sun begin	-12323 Feb 25 j 18:03	8° \mathfrak{J} 22'35					
behind sun end	-12323 Feb 25 j 22:34	8° \mathfrak{J} 46'51		superior conj	-12322 Feb 10 j 06:47	23° \mathfrak{M} 36'03	-0°08'17
max. Earth dist.	-12323 Feb 27 j 22:15	13° \mathfrak{J} 00'53	1.33651 AU	minimum elong	-12322 Feb 10 j 07:09	23° \mathfrak{M} 38'02	0°08'48
evening rise	-12323 Mar 05 j 12:02	24° \mathfrak{J} 30'38		behind sun begin	-12322 Feb 10 j 02:56	23° \mathfrak{M} 15'06	
	-12323 Mar 08 j 07:16	0° \mathfrak{Z}		behind sun end	-12322 Feb 10 j 11:22	24° \mathfrak{M} 00'56	
	-12323 Mar 26 j 05:30	0° \approx		asc. node	-12322 Feb 11 j 03:49	25° \mathfrak{M} 30'12	
evening max el	-12323 Apr 07 j 22:49	15° \approx 28'28	27°27'10	max. Earth dist.	-12322 Feb 11 j 08:04	25° \mathfrak{M} 53'14	1.33058 AU
desc. node	-12323 Apr 13 j 13:01	20° \approx 06'44			-12322 Feb 13 j 05:54	0° \mathfrak{J}	
retrograde	-12323 Apr 21 j 16:59	23° \approx 03'10		evening rise	-12322 Feb 17 j 13:54	9° \mathfrak{J} 05'10	
evening set	-12323 Apr 28 j 15:24	20° \approx 30'23			-12322 Feb 28 j 17:09	0° \mathfrak{Z}	
min. Earth dist.	-12323 May 02 j 07:31	17° \approx 15'28	0.63254 AU	evening max el	-12322 Mar 21 j 05:44	27° \mathfrak{Z} 55'37	27°14'52
inferior conj	-12323 May 04 j 23:54	14° \approx 28'16	-3°24'45		-12322 Mar 23 j 12:27	0° \approx	
minimum elong	-12323 May 05 j 00:07	14° \approx 27'41	3°25'18	desc. node	-12322 Mar 31 j 10:12	4° \approx 48'28	
morning rise	-12323 May 11 j 09:50	9° \approx 12'12		retrograde	-12322 Apr 04 j 06:01	5° \approx 27'21	
direct	-12323 May 14 j 04:31	8° \approx 33'58		evening set	-12322 Apr 10 j 22:50	3° \approx 19'32	
morning max el	-12323 May 20 j 16:31	11° \approx 56'57	18°05'14	min. Earth dist.	-12322 Apr 14 j 18:17	0° \approx 23'56	0.61398 AU
asc. node	-12323 May 23 j 06:27	14° \approx 52'44			-12322 Apr 15 j 05:04	30° \mathfrak{R} \mathfrak{Z}	
	-12323 Jun 01 j 23:41	0° \mathfrak{H}		inferior conj	-12322 Apr 17 j 22:17	27° \mathfrak{Z} 29'40	-3°16'25
morning set	-12323 Jun 07 j 01:02	8° \mathfrak{H} 45'46		minimum elong	-12322 Apr 17 j 20:48	27° \mathfrak{Z} 33'06	3°16'58
				morning rise	-12322 Apr 24 j 20:40	22° \mathfrak{Z} 32'58	
superior conj	-12323 Jun 19 j 13:55	0° \mathfrak{Y} 05'46	1°39'43	direct	-12322 Apr 27 j 10:43	22° \mathfrak{Z} 04'02	
minimum elong	-12323 Jun 19 j 18:14	0° \mathfrak{Y} 23'36	1°39'28	morning max el	-12322 May 04 j 06:10	25° \mathfrak{Z} 28'16	18°04'23
	-12323 Jun 19 j 12:31	0° \mathfrak{Y}			-12322 May 08 j 01:56	0° \approx	
max. Earth dist.	-12323 Jun 25 j 07:03	9° \mathfrak{Y} 25'32	1.43532 AU	asc. node	-12322 May 10 j 03:17	2° \approx 59'47	
evening rise	-12323 Jul 05 j 12:37	25° \mathfrak{Y} 36'32		morning set	-12322 May 20 j 14:11	21° \approx 06'47	
	-12323 Jul 08 j 08:41	0° \mathfrak{B}			-12322 May 25 j 11:56	0° \mathfrak{H}	
desc. node	-12323 Jul 10 j 09:41	3° \mathfrak{B} 08'20					
	-12323 Jul 28 j 21:14	0° Π		superior conj	-12322 May 31 j 11:52	10° \mathfrak{H} 35'39	1°48'57
evening max el	-12323 Aug 02 j 15:11	5° Π 32'31	20°32'53	minimum elong	-12322 May 31 j 12:24	10° \mathfrak{H} 38'00	1°48'40
retrograde	-12323 Aug 10 j 14:19	10° Π 11'40		max. Earth dist.	-12322 Jun 07 j 15:37	22° \mathfrak{H} 43'05	1.42126 AU
evening set	-12323 Aug 14 j 10:10	8° Π 47'39			-12322 Jun 12 j 02:40	0° \mathfrak{Y}	
asc. node	-12323 Aug 19 j 07:34	3° Π 24'23		evening rise	-12322 Jun 14 j 15:57	4° \mathfrak{Y} 05'00	
inferior conj	-12323 Aug 19 j 19:49	2° Π 43'12	0°09'36	desc. node	-12322 Jun 27 j 07:14	23° \mathfrak{Y} 29'09	
minimum elong	-12323 Aug 19 j 19:35	2° Π 43'59	0°10'10		-12322 Jul 01 j 18:11	0° \mathfrak{B}	
transit middle	-12323 Aug 19 j 19:35	2° Π 43'59	0°10'10	evening max el	-12322 Jul 16 j 11:06	18° \mathfrak{B} 55'04	21°45'41
transit begin	-12323 Aug 19 j 17:26	2° Π 51'13		retrograde	-12322 Jul 25 j 10:09	24° \mathfrak{B} 13'03	
transit end	-12323 Aug 19 j 21:44	2° Π 36'44		evening set	-12322 Jul 29 j 18:46	22° \mathfrak{B} 28'34	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

inferior conj	-12322 Aug 04 j 01:04	16° 8 17'50	-0°39'47	min. Earth dist.	-12321 Jul 19 j 03:36	0° 8 08'16	0.67238 AU
minimum elong	-12322 Aug 04 j 01:53	16° 8 15'02	0°38'57		-12321 Jul 19 j 06:00	30° 8 Υ	
min. Earth dist.	-12322 Aug 04 j 07:53	15° 8 54'18	0.67124 AU	asc. node	-12321 Jul 24 j 01:18	24° 9 Υ09'49	
asc. node	-12322 Aug 06 j 04:28	13° 8 24'29		morning rise	-12321 Jul 24 j 15:37	23° 9 Υ39'20	
morning rise	-12322 Aug 09 j 08:52	9° 8 57'31		direct	-12321 Jul 28 j 22:26	21° 9 Υ57'57	
direct	-12322 Aug 14 j 04:21	7° 8 58'07		morning max el	-12321 Aug 06 j 23:42	27° 9 Υ23'57	21°46'27
morning max el	-12322 Aug 24 j 09:12	14° 8 06'46	23°08'47		-12321 Aug 09 j 08:38	0° 8	
	-12322 Sep 06 j 03:41	0° II			-12321 Aug 30 j 19:08	0° II	
desc. node	-12322 Sep 23 j 04:39	25° II 31'19		morning set	-12321 Sep 07 j 13:10	12° II 03'02	
	-12322 Sep 25 j 23:16	0° ☿		desc. node	-12321 Sep 10 j 01:43	16° II 04'49	
morning set	-12322 Sep 27 j 14:46	2° ☿ 42'03		max. Earth dist.	-12321 Sep 14 j 16:05	23° II 34'44	1.41943 AU
max. Earth dist.	-12322 Oct 02 j 13:08	11° ☿ 00'42	1.40079 AU		-12321 Sep 18 j 12:07	0° ☿	
superior conj	-12322 Oct 10 j 02:31	24° ☿ 25'52	-1°27'19	superior conj	-12321 Sep 21 j 23:39	5° ☿ 58'19	-1°07'03
minimum elong	-12322 Oct 09 j 23:46	24° ☿ 13'19	1°26'28	minimum elong	-12321 Sep 21 j 19:36	5° ☿ 40'45	1°05'54
	-12322 Oct 13 j 02:40	0° ♈		evening rise	-12321 Oct 02 j 20:30	25° ☿ 26'39	
evening rise	-12322 Oct 19 j 14:19	12° ♈ 18'53			-12321 Oct 05 j 08:24	0° ♈	
	-12322 Oct 29 j 09:42	0° ♐		evening max el	-12321 Oct 19 j 04:41	21° ♈ 23'59	18°09'05
asc. node	-12322 Nov 02 j 03:43	5° ♐ 22'45		asc. node	-12321 Oct 20 j 00:59	22° ♈ 11'48	
evening max el	-12322 Nov 04 j 19:16	8° ♐ 21'10	18°27'45	retrograde	-12321 Oct 26 j 03:53	24° ♈ 58'31	
retrograde	-12322 Nov 12 j 10:51	12° ♐ 07'47		evening set	-12321 Oct 28 j 15:56	24° ♈ 31'19	
evening set	-12322 Nov 14 j 21:58	11° ♐ 45'31		inferior conj	-12321 Nov 04 j 16:25	19° ♈ 32'45	3°49'58
inferior conj	-12322 Nov 22 j 10:43	7° ♐ 08'18	4°14'03	minimum elong	-12321 Nov 04 j 12:54	19° ♈ 40'49	3°49'53
minimum elong	-12322 Nov 22 j 09:04	7° ♐ 11'38	4°14'15	min. Earth dist.	-12321 Nov 07 j 16:00	16° ♈ 48'47	0.61100 AU
min. Earth dist.	-12322 Nov 25 j 15:30	4° ♐ 34'58	0.59254 AU	morning rise	-12321 Nov 11 j 08:33	13° ♈ 56'11	
morning rise	-12322 Nov 29 j 18:23	1° ♐ 50'19		direct	-12321 Nov 18 j 07:55	11° ♈ 38'21	
direct	-12322 Dec 06 j 04:44	0° ♐ 04'31		morning max el	-12321 Dec 02 j 05:53	19° ♈ 04'02	27°20'03
morning max el	-12322 Dec 20 j 05:42	7° ♐ 23'19	26°31'53	desc. node	-12321 Dec 07 j 02:34	24° ♈ 16'36	
desc. node	-12322 Dec 20 j 05:58	7° ♐ 23'58			-12321 Dec 11 j 15:29	0° ♐	
	-12321 Jan 06 j 06:04	0° ♑			-12321 Dec 29 j 21:03	0° ♑	
morning set	-12321 Jan 18 j 18:41	23° ♑ 37'28		morning set	-12320 Jan 03 j 02:29	8° ♑ 27'27	
	-12321 Jan 21 j 18:45	0° ♒		max. Earth dist.	-12320 Jan 09 j 09:54	21° ♑ 53'05	1.32867 AU
superior conj	-12321 Jan 25 j 18:28	8° ♒ 40'25	-0°30'28	superior conj	-12320 Jan 10 j 06:12	23° ♑ 43'33	-0°50'54
minimum elong	-12321 Jan 25 j 19:39	8° ♒ 46'55	0°30'43	minimum elong	-12320 Jan 10 j 07:58	23° ♑ 53'13	0°50'53
max. Earth dist.	-12321 Jan 25 j 21:11	8° ♒ 55'14	1.32796 AU		-12320 Jan 13 j 03:18	0° ♒	
asc. node	-12321 Jan 29 j 01:07	15° ♒ 48'19		asc. node	-12320 Jan 15 j 22:25	6° ♒ 01'21	
evening rise	-12321 Feb 01 j 20:53	23° ♒ 55'24		evening rise	-12320 Jan 17 j 06:50	8° ♒ 52'37	
	-12321 Feb 04 j 20:33	0° ♊			-12320 Jan 28 j 09:02	0° ♊	
	-12321 Feb 22 j 20:12	0° ♋		evening max el	-12320 Feb 13 j 04:19	21° ♊ 02'52	25°17'43
evening max el	-12321 Mar 03 j 07:42	9° ♋ 46'41	26°30'08	retrograde	-12320 Feb 27 j 04:57	28° ♊ 09'22	
retrograde	-12321 Mar 17 j 10:51	17° ♋ 09'56		evening set	-12320 Mar 03 j 06:52	27° ♊ 09'02	
desc. node	-12321 Mar 18 j 07:15	17° ♋ 08'05		desc. node	-12320 Mar 04 j 04:13	26° ♊ 46'41	
evening set	-12321 Mar 23 j 12:11	15° ♋ 35'52		min. Earth dist.	-12320 Mar 08 j 17:59	24° ♊ 09'23	0.57564 AU
min. Earth dist.	-12321 Mar 27 j 21:07	12° ♋ 44'55	0.59412 AU	inferior conj	-12320 Mar 11 j 17:19	22° ♊ 06'10	-1°47'37
inferior conj	-12321 Mar 31 j 05:10	10° ♋ 05'14	-2°45'56	minimum elong	-12320 Mar 11 j 14:00	22° ♊ 11'56	1°47'29
minimum elong	-12321 Mar 31 j 02:05	10° ♋ 11'26	2°46'07	morning rise	-12320 Mar 20 j 00:22	17° ♊ 47'27	
morning rise	-12321 Apr 07 j 18:52	5° ♋ 28'18		direct	-12320 Mar 22 j 05:44	17° ♊ 32'18	
direct	-12321 Apr 10 j 04:22	5° ♋ 07'14		morning max el	-12320 Mar 30 j 22:10	21° ♊ 40'02	19°00'11
morning max el	-12321 Apr 17 j 17:05	8° ♋ 46'00	18°22'30		-12320 Apr 06 j 12:13	0° ♋	
asc. node	-12321 Apr 27 j 00:09	21° ♋ 47'21		asc. node	-12320 Apr 12 j 21:03	11° ♋ 05'25	
	-12321 May 01 j 12:46	0° ♌		morning set	-12320 Apr 16 j 13:02	18° ♋ 09'49	
morning set	-12321 May 03 j 19:37	4° ♌ 18'28			-12320 Apr 22 j 13:45	0° ♌	
superior conj	-12321 May 13 j 10:54	22° ♌ 21'23	1°45'04	superior conj	-12320 Apr 25 j 05:41	5° ♌ 08'36	1°32'10
minimum elong	-12321 May 13 j 08:53	22° ♌ 12'10	1°44'31	minimum elong	-12320 Apr 25 j 02:41	4° ♌ 54'12	1°31'18
	-12321 May 17 j 17:09	0° ♍		max. Earth dist.	-12320 May 01 j 18:26	17° ♌ 17'22	1.38496 AU
max. Earth dist.	-12321 May 20 j 18:17	5° ♍ 18'24	1.40368 AU	evening rise	-12320 May 05 j 20:15	24° ♌ 29'56	
evening rise	-12321 May 25 j 16:18	13° ♍ 35'48			-12320 May 09 j 01:35	0° ♍	
	-12321 Jun 04 j 23:59	0° ♎			-12320 May 28 j 16:12	0° ♎	
desc. node	-12321 Jun 14 j 04:45	13° ♎ 34'03		desc. node	-12320 May 31 j 02:16	3° ♎ 16'12	
	-12321 Jun 26 j 22:05	0° ♏		evening max el	-12320 Jun 10 j 11:15	15° ♎ 35'27	24°28'34
evening max el	-12321 Jun 29 j 00:54	2° ♏ 14'52	23°06'27	retrograde	-12320 Jun 21 j 17:27	22° ♎ 14'51	
retrograde	-12321 Jun 09 j 03:34	8° ♏ 15'12		evening set	-12320 Jun 27 j 07:01	19° ♎ 49'31	
evening set	-12321 Jul 14 j 02:21	6° ♏ 09'33		min. Earth dist.	-12320 Jul 01 j 21:56	14° ♎ 24'59	0.67033 AU
inferior conj	-12321 Jul 19 j 07:25	29° ♎ 55'06	-1°25'25	inferior conj	-12320 Jul 02 j 13:06	13° ♎ 33'44	-2°05'57
minimum elong	-12321 Jul 19 j 09:02	29° ♎ 49'30	1°24'29	minimum elong	-12320 Jul 02 j 15:14	13° ♎ 26'31	2°05'10

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning rise	-12320 Jul 07 j 23:23	7°♃26'04		min. Earth dist.	-12319 Jun 15 j 12:28	28°♄40'46	0.66475 AU
asc. node	-12320 Jul 09 j 22:04	6°♃21'48		inferior conj	-12319 Jun 16 j 16:15	27°♄10'54	-2°40'06
direct	-12320 Jul 11 j 19:15	6°♃01'41		minimum elong	-12319 Jun 16 j 18:30	27°♄03'36	2°39'38
morning max el	-12320 Jul 19 j 20:01	10°♃46'27	20°32'06	morning rise	-12319 Jun 22 j 06:24	21°♄14'33	
	-12320 Aug 03 j 05:48	0°♄		direct	-12319 Jun 25 j 17:09	20°♄05'34	
morning set	-12320 Aug 16 j 18:16	20°♄37'09		asc. node	-12319 Jun 26 j 18:47	20°♄11'55	
	-12320 Aug 22 j 17:42	0°♄		morning max el	-12319 Jul 02 j 22:52	24°♄15'30	19°30'13
desc. node	-12320 Aug 26 j 22:54	6°♄44'03			-12319 Jul 07 j 17:20	0°♃	
max. Earth dist.	-12320 Aug 27 j 01:38	6°♄55'03	1.43436 AU	morning set	-12319 Jul 27 j 00:43	29°♃16'31	
					-12319 Jul 27 j 11:48	0°♄	
superior conj	-12320 Sep 01 j 18:35	16°♄13'27	-0°34'25	max. Earth dist.	-12319 Aug 09 j 16:25	20°♄47'31	1.44348 AU
minimum elong	-12320 Sep 01 j 15:25	16°♄00'20	0°33'18				
	-12320 Sep 09 j 22:45	0°♄		superior conj	-12319 Aug 12 j 10:34	25°♄10'49	0°08'21
evening rise	-12320 Sep 14 j 10:52	7°♄47'50		minimum elong	-12319 Aug 12 j 11:37	25°♄15'00	0°08'49
	-12320 Sep 27 j 21:05	0°♄		behind sun begin	-12319 Aug 12 j 02:08	24°♄37'11	
evening max el	-12320 Oct 01 j 17:43	4°♄42'08	18°09'35	behind sun end	-12319 Aug 12 j 21:05	25°♄52'51	
asc. node	-12320 Oct 05 j 22:10	7°♄44'21		desc. node	-12319 Aug 13 j 20:11	27°♄25'15	
retrograde	-12320 Oct 08 j 09:11	8°♄14'49			-12319 Aug 15 j 10:45	0°♄	
evening set	-12320 Oct 11 j 00:10	7°♄40'34		evening rise	-12319 Aug 27 j 03:52	19°♄08'27	
inferior conj	-12320 Oct 17 j 13:19	2°♄22'04	3°10'35		-12319 Sep 02 j 17:12	0°♄	
minimum elong	-12320 Oct 17 j 09:30	2°♄31'58	3°10'14	evening max el	-12319 Sep 15 j 07:20	18°♄08'45	18°28'22
	-12320 Oct 19 j 20:04	30°♄		retrograde	-12319 Sep 21 j 22:46	21°♄48'43	
min. Earth dist.	-12320 Oct 20 j 01:47	29°♄45'33	0.62826 AU	asc. node	-12319 Sep 22 j 19:18	21°♄44'42	
morning rise	-12320 Oct 23 j 17:55	26°♄29'32		evening set	-12319 Sep 24 j 18:51	21°♄04'46	
direct	-12320 Oct 30 j 18:58	23°♄52'22		inferior conj	-12319 Sep 30 j 22:05	15°♄29'20	2°22'52
	-12320 Nov 12 j 00:21	0°♄		minimum elong	-12319 Sep 30 j 18:54	15°♄38'27	2°22'34
morning max el	-12320 Nov 13 j 11:47	1°♄22'42	27°33'56	min. Earth dist.	-12319 Oct 02 j 21:45	13°♄12'35	0.64299 AU
desc. node	-12320 Nov 22 j 23:11	12°♄21'30		morning rise	-12319 Oct 06 j 18:17	9°♄23'44	
	-12320 Dec 04 j 17:36	0°♄		direct	-12319 Oct 13 j 12:53	6°♄40'26	
morning set	-12320 Dec 17 j 04:41	22°♄57'36		morning max el	-12319 Oct 26 j 21:15	14°♄11'48	27°14'21
	-12320 Dec 20 j 14:49	0°♄			-12319 Nov 08 j 21:56	0°♄	
max. Earth dist.	-12320 Dec 22 j 18:38	4°♄34'11	1.33295 AU	desc. node	-12319 Nov 09 j 19:50	1°♄17'41	
					-12319 Nov 27 j 06:43	0°♄	
superior conj	-12320 Dec 24 j 16:17	8°♄39'07	-1°08'48	morning set	-12319 Nov 30 j 22:32	6°♄58'48	
minimum elong	-12320 Dec 24 j 18:19	8°♄50'05	1°08'37	max. Earth dist.	-12319 Dec 05 j 19:50	16°♄48'27	1.34116 AU
evening rise	-12320 Dec 31 j 18:01	23°♄50'22					
asc. node	-12319 Jan 01 j 19:45	26°♄04'37		superior conj	-12319 Dec 08 j 22:52	23°♄20'39	-1°23'19
	-12319 Jan 03 j 17:52	0°♄		minimum elong	-12319 Dec 09 j 00:45	23°♄30'36	1°23'02
	-12319 Jan 22 j 22:54	0°♄			-12319 Dec 12 j 02:01	0°♄	
evening max el	-12319 Jan 24 j 21:42	1°♄57'03	23°47'52	evening rise	-12319 Dec 16 j 04:48	8°♄42'44	
retrograde	-12319 Feb 07 j 10:22	8°♄35'31		asc. node	-12319 Dec 19 j 17:08	15°♄52'56	
evening set	-12319 Feb 11 j 10:59	7°♄59'49			-12319 Dec 27 j 13:31	0°♄	
min. Earth dist.	-12319 Feb 18 j 10:49	4°♄40'16	0.56168 AU	evening max el	-12318 Jan 06 j 16:35	12°♄51'37	22°14'00
desc. node	-12319 Feb 19 j 01:05	4°♄18'40		retrograde	-12318 Jan 19 j 04:57	18°♄50'04	
inferior conj	-12319 Feb 20 j 09:51	3°♄28'31	-0°20'42	evening set	-12318 Jan 22 j 09:38	18°♄27'32	
minimum elong	-12319 Feb 20 j 09:00	3°♄29'49	0°21'06	inferior conj	-12318 Jan 31 j 11:26	14°♄20'10	1°22'37
	-12319 Feb 27 j 02:42	30°♄		minimum elong	-12318 Jan 31 j 14:53	14°♄15'15	1°21'03
morning rise	-12319 Mar 01 j 09:29	29°♄22'48		min. Earth dist.	-12318 Jan 31 j 01:31	14°♄34'22	0.55490 AU
direct	-12319 Mar 03 j 13:23	29°♄10'41		desc. node	-12318 Feb 05 j 21:52	11°♄29'54	
	-12319 Mar 07 j 19:04	0°♄		morning rise	-12318 Feb 09 j 20:49	10°♄15'35	
morning max el	-12319 Mar 13 j 18:29	4°♄00'58	19°57'39	direct	-12318 Feb 12 j 07:19	10°♄01'56	
	-12319 Mar 30 j 08:41	0°♄		morning max el	-12318 Feb 24 j 03:55	15°♄42'52	21°13'58
asc. node	-12319 Mar 30 j 17:59	0°♄46'21			-12318 Mar 06 j 20:59	0°♄	
morning set	-12319 Mar 31 j 14:52	2°♄31'09		morning set	-12318 Mar 15 j 22:27	17°♄14'37	
				asc. node	-12318 Mar 17 j 15:02	20°♄44'31	
superior conj	-12319 Apr 08 j 15:05	18°♄42'55	1°13'38		-12318 Mar 22 j 01:35	0°♄	
minimum elong	-12319 Apr 08 j 12:11	18°♄28'28	1°12'32				
max. Earth dist.	-12319 Apr 13 j 21:41	28°♄59'47	1.36743 AU	superior conj	-12318 Mar 23 j 11:02	2°♄53'05	0°51'53
	-12319 Apr 14 j 10:24	0°♄		minimum elong	-12318 Mar 23 j 08:50	2°♄41'50	0°50'47
evening rise	-12319 Apr 18 j 00:27	6°♄38'50		max. Earth dist.	-12318 Mar 27 j 09:12	10°♄51'17	1.35266 AU
	-12319 May 01 j 21:35	0°♄		evening rise	-12318 Mar 31 j 23:21	19°♄47'14	
desc. node	-12319 May 17 j 23:45	22°♄25'44			-12318 Apr 06 j 13:11	0°♄	
evening max el	-12319 May 23 j 20:55	28°♄57'04	25°43'47		-12318 Apr 25 j 20:40	0°♄	
	-12319 May 24 j 22:54	0°♃		desc. node	-12318 May 04 j 21:10	10°♄49'36	
retrograde	-12319 Jun 05 j 03:04	6°♃06'27		evening max el	-12318 May 06 j 07:20	12°♄16'29	26°43'21
evening set	-12319 Jun 11 j 06:39	3°♃26'07		retrograde	-12318 May 19 j 07:57	19°♄44'17	
	-12319 Jun 14 j 11:20	30°♄		evening set	-12318 May 25 j 22:57	16°♄57'17	

min. Earth dist.	-12318 May 29 j 21:09	12°ꜥ50'55	0.65532 AU		-12317 May 09 j 14:04	30°ꜥꜥꜥ	
inferior conj	-12318 May 31 j 14:51	10°ꜥ44'44	-3°06'09	min. Earth dist.	-12317 May 12 j 22:09	26°ꜥꜥꜥ46'35	0.64189 AU
minimum elong	-12318 May 31 j 16:46	10°ꜥ38'55	3°06'08	inferior conj	-12317 May 15 j 06:27	24°ꜥꜥꜥ10'48	-3°21'49
morning rise	-12318 Jun 06 j 10:51	5°ꜥ02'17		minimum elong	-12317 May 15 j 07:28	24°ꜥꜥꜥ08'00	3°22'12
direct	-12318 Jun 09 j 14:11	4°ꜥ06'45		morning rise	-12317 May 21 j 10:35	18°ꜥꜥꜥ44'31	
asc. node	-12318 Jun 13 j 15:31	5°ꜥ33'32		direct	-12317 May 24 j 08:00	18°ꜥꜥꜥ00'34	
morning max el	-12318 Jun 16 j 07:26	7°ꜥ50'48	18°43'36	morning max el	-12317 May 30 j 19:51	21°ꜥꜥꜥ28'29	18°14'01
	-12318 Jul 01 j 15:34	0°ꜥ		asc. node	-12317 May 31 j 12:18	22°ꜥꜥꜥ11'17	
morning set	-12318 Jul 07 j 01:38	8°ꜥ46'59			-12317 Jun 06 j 09:04	0°ꜥ	
	-12318 Jul 20 j 07:17	0°ꜥ		morning set	-12317 Jun 18 j 03:42	19°ꜥꜥꜥ26'53	
					-12317 Jun 24 j 10:29	0°ꜥ	
superior conj	-12318 Jul 22 j 11:10	3°ꜥ25'39	0°52'40				
minimum elong	-12318 Jul 22 j 16:56	3°ꜥ48'31	0°52'25	superior conj	-12317 Jul 01 j 18:17	12°ꜥꜥꜥ00'52	1°27'07
max. Earth dist.	-12318 Jul 23 j 09:02	4°ꜥ52'14	1.44572 AU	minimum elong	-12317 Jul 02 j 00:22	12°ꜥꜥꜥ25'28	1°26'47
desc. node	-12318 Jul 31 j 17:35	18°ꜥ05'23		max. Earth dist.	-12317 Jul 06 j 00:17	18°ꜥꜥꜥ50'35	1.44095 AU
evening rise	-12318 Aug 07 j 18:25	29°ꜥ15'22			-12317 Jul 13 j 01:35	0°ꜥ	
	-12318 Aug 08 j 05:38	0°ꜥ		evening rise	-12317 Jul 18 j 06:52	8°ꜥꜥꜥ09'17	
	-12318 Aug 28 j 06:38	0°ꜥ		desc. node	-12317 Jul 18 j 15:03	8°ꜥꜥꜥ41'08	
evening max el	-12318 Aug 29 j 18:43	1°ꜥ38'55	19°04'25	greatest brilliancy	-12317 Jul 30 j 20:56	27°ꜥꜥꜥ28'25	-0.7m
retrograde	-12318 Sep 05 j 17:13	5°ꜥ34'56			-12317 Aug 01 j 13:37	0°ꜥ	
evening set	-12318 Sep 08 j 20:42	4°ꜥ38'09		evening max el	-12317 Aug 13 j 01:24	15°ꜥꜥꜥ08'39	19°56'31
asc. node	-12318 Sep 09 j 16:22	4°ꜥ05'08		retrograde	-12317 Aug 20 j 13:45	19°ꜥꜥꜥ29'32	
	-12318 Sep 13 j 16:39	30°ꜥ		evening set	-12317 Aug 24 j 02:57	18°ꜥꜥꜥ16'31	
inferior conj	-12318 Sep 14 j 15:40	28°ꜥ49'07	1°31'24	asc. node	-12317 Aug 27 j 13:21	14°ꜥꜥꜥ56'46	
minimum elong	-12318 Sep 14 j 13:34	28°ꜥ55'38	1°31'22	inferior conj	-12317 Aug 29 j 15:28	12°ꜥꜥꜥ17'04	0°39'11
min. Earth dist.	-12318 Sep 16 j 02:55	26°ꜥ59'32	0.65475 AU	minimum elong	-12317 Aug 29 j 14:34	12°ꜥꜥꜥ20'01	0°39'32
morning rise	-12318 Sep 20 j 05:59	22°ꜥ34'13		min. Earth dist.	-12317 Aug 30 j 15:13	10°ꜥꜥꜥ58'51	0.66348 AU
direct	-12318 Sep 26 j 13:17	19°ꜥ55'26		morning rise	-12317 Sep 04 j 01:54	5°ꜥꜥꜥ56'59	
morning max el	-12318 Oct 09 j 07:45	27°ꜥ19'26	26°26'20	direct	-12317 Sep 09 j 19:37	3°ꜥꜥꜥ30'21	
	-12318 Oct 11 j 21:16	0°ꜥ		morning max el	-12317 Sep 21 j 17:42	10°ꜥꜥꜥ34'09	25°17'40
desc. node	-12318 Oct 27 j 16:33	20°ꜥ50'28			-12317 Oct 07 j 07:07	0°ꜥ	
	-12318 Nov 02 j 13:11	0°ꜥ		desc. node	-12317 Oct 14 j 13:23	10°ꜥꜥꜥ49'19	
morning set	-12318 Nov 14 j 04:21	20°ꜥ19'47			-12317 Oct 26 j 03:48	0°ꜥ	
max. Earth dist.	-12318 Nov 18 j 10:35	28°ꜥ31'24	1.35365 AU	morning set	-12317 Oct 27 j 17:32	2°ꜥꜥꜥ47'21	
	-12318 Nov 19 j 04:30	0°ꜥ		max. Earth dist.	-12317 Oct 31 j 15:05	9°ꜥꜥꜥ54'47	1.37018 AU
superior conj	-12318 Nov 22 j 23:41	7°ꜥ40'35	-1°33'21	superior conj	-12317 Nov 06 j 15:49	21°ꜥꜥꜥ30'23	-1°37'27
minimum elong	-12318 Nov 23 j 00:55	7°ꜥ46'55	1°32'59	minimum elong	-12317 Nov 06 j 15:51	21°ꜥꜥꜥ30'30	1°36'58
evening rise	-12318 Nov 30 j 13:31	23°ꜥ43'49			-12317 Nov 10 j 21:39	0°ꜥ	
	-12318 Dec 03 j 19:54	0°ꜥ		evening rise	-12317 Nov 14 j 18:15	7°ꜥꜥꜥ48'13	
asc. node	-12318 Dec 06 j 14:33	5°ꜥ19'37		asc. node	-12317 Nov 23 j 11:56	24°ꜥꜥꜥ16'51	
evening max el	-12318 Dec 19 j 18:20	24°ꜥ08'01	20°48'06		-12317 Nov 27 j 04:43	0°ꜥ	
retrograde	-12318 Dec 30 j 19:48	29°ꜥ19'33		evening max el	-12317 Dec 02 j 06:09	5°ꜥꜥꜥ58'11	19°38'03
evening set	-12317 Jan 02 j 13:27	29°ꜥ01'45		retrograde	-12317 Dec 11 j 18:08	10°ꜥꜥꜥ27'01	
inferior conj	-12317 Jan 11 j 09:11	25°ꜥ02'39	2°56'19	evening set	-12317 Dec 14 j 07:29	10°ꜥꜥꜥ09'03	
minimum elong	-12317 Jan 11 j 14:58	24°ꜥ54'10	2°54'37	inferior conj	-12317 Dec 22 j 16:10	6°ꜥꜥꜥ02'10	3°56'28
min. Earth dist.	-12317 Jan 12 j 15:15	24°ꜥ18'41	0.55675 AU	minimum elong	-12317 Dec 22 j 20:07	5°ꜥꜥꜥ55'46	3°55'53
morning rise	-12317 Jan 20 j 15:12	20°ꜥ43'17		min. Earth dist.	-12317 Dec 25 j 04:42	4°ꜥꜥꜥ24'58	0.56672 AU
direct	-12317 Jan 23 j 22:32	20°ꜥ19'13		morning rise	-12317 Dec 31 j 06:38	1°ꜥꜥꜥ19'39	
desc. node	-12317 Jan 23 j 18:33	20°ꜥ19'17		direct	-12316 Jan 04 j 21:55	0°ꜥꜥꜥ31'05	
morning max el	-12317 Feb 06 j 02:29	26°ꜥ46'36	22°45'07	desc. node	-12316 Jan 10 j 15:13	1°ꜥꜥꜥ46'05	
	-12317 Feb 09 j 04:02	0°ꜥ		morning max el	-12316 Jan 18 j 18:01	7°ꜥꜥꜥ28'40	24°21'53
	-12317 Feb 27 j 08:01	0°ꜥ			-12316 Feb 04 j 01:38	0°ꜥ	
morning set	-12317 Feb 28 j 09:26	2°ꜥ11'41		morning set	-12316 Feb 12 j 21:52	17°ꜥꜥꜥ15'29	
asc. node	-12317 Mar 04 j 12:11	10°ꜥ15'35		asc. node	-12316 Feb 18 j 20:29	0°ꜥ	
					-12316 Feb 19 j 09:24	1°ꜥꜥꜥ09'51	
superior conj	-12317 Mar 07 j 14:15	17°ꜥ27'57	0°28'37				
minimum elong	-12317 Mar 07 j 13:02	17°ꜥ21'33	0°27'40	superior conj	-12316 Feb 19 j 22:16	2°ꜥꜥꜥ19'17	0°05'05
max. Earth dist.	-12317 Mar 10 j 06:41	23°ꜥ06'12	1.34134 AU	minimum elong	-12316 Feb 19 j 22:05	2°ꜥꜥꜥ18'18	0°04'23
	-12317 Mar 13 j 15:38	0°ꜥ		behind sun begin	-12316 Feb 19 j 17:08	1°ꜥꜥꜥ51'36	
evening rise	-12317 Mar 15 j 11:41	3°ꜥ38'41		behind sun end	-12316 Feb 20 j 03:02	2°ꜥꜥꜥ44'58	
	-12317 Mar 30 j 08:35	0°ꜥ		max. Earth dist.	-12316 Feb 21 j 12:51	5°ꜥꜥꜥ46'42	1.33357 AU
evening max el	-12317 Apr 18 j 18:02	25°ꜥ24'36	27°19'32	evening rise	-12316 Feb 27 j 09:31	18°ꜥꜥꜥ00'25	
desc. node	-12317 Apr 21 j 18:29	28°ꜥ08'33			-12316 Mar 04 j 14:30	0°ꜥ	
	-12317 Apr 24 j 05:20	0°ꜥ			-12316 Mar 23 j 20:29	0°ꜥ	
retrograde	-12317 May 02 j 07:30	2°ꜥ59'51		evening max el	-12316 Mar 31 j 03:13	8°ꜥꜥꜥ10'22	27°26'03
evening set	-12317 May 09 j 05:03	0°ꜥ18'05		desc. node	-12316 Apr 07 j 15:43	13°ꜥꜥꜥ56'40	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

retrograde	-12316 Apr 14 j 00:44	15° \approx 44'33		evening max el	-12315 Mar 13 j 08:27	20° \approx 23'07	26°59'46
evening set	-12316 Apr 20 j 21:41	13° \approx 21'14		desc. node	-12315 Mar 25 j 12:50	27° \approx 34'42	
min. Earth dist.	-12316 Apr 24 j 14:19	10° \approx 15'52	0.62490 AU	retrograde	-12315 Mar 27 j 10:12	27° \approx 35'05	
inferior conj	-12316 Apr 27 j 12:06	7° \approx 23'22	-3°23'37	evening set	-12315 Apr 02 j 21:38	25° \approx 35'17	
minimum elong	-12316 Apr 27 j 11:38	7° \approx 24'32	3°24'12	min. Earth dist.	-12315 Apr 06 j 21:34	23° \approx 05'23	0.60553 AU
morning rise	-12316 May 04 j 02:57	2° \approx 15'08		inferior conj	-12315 Apr 10 j 04:21	20° \approx 31'45	-3°06'37
direct	-12316 May 06 j 19:33	1° \approx 41'04		minimum elong	-12315 Apr 10 j 02:07	20° \approx 31'47	3°07'02
morning max el	-12316 May 13 j 09:44	5° \approx 03'28	18°02'31	morning rise	-12315 Apr 17 j 08:52	15° \approx 32'19	
asc. node	-12316 May 17 j 09:07	9° \approx 49'32		direct	-12315 Apr 19 j 21:06	15° \approx 30'47	
	-12316 May 29 j 12:39	0° \approx		morning max el	-12315 Apr 26 j 22:30	18° \approx 32'28	18°09'46
morning set	-12316 May 30 j 05:21	1° \approx 14'00		asc. node	-12315 May 04 j 05:56	28° \approx 31'45	
					-12315 May 05 j 07:21	0° \approx	
superior conj	-12316 Jun 11 j 00:31	21° \approx 43'47	1°45'30	morning set	-12315 May 13 j 02:03	13° \approx 58'22	
minimum elong	-12316 Jun 11 j 03:11	21° \approx 45'02	1°45'16		-12315 May 21 j 20:08	0° \approx	
	-12316 Jun 15 j 23:50	0° \approx					
max. Earth dist.	-12316 Jun 17 j 12:00	2° \approx 27'48	1.42993 AU	superior conj	-12315 May 23 j 09:41	2° \approx 47'16	1°48'40
evening rise	-12316 Jun 26 j 06:53	16° \approx 28'19		minimum elong	-12315 May 23 j 08:56	2° \approx 43'56	1°48'17
desc. node	-12316 Jul 04 j 12:34	29° \approx 08'32		max. Earth dist.	-12315 May 30 j 18:32	15° \approx 30'24	1.41410 AU
	-12316 Jul 05 j 02:11	0° \approx		evening rise	-12315 Jun 05 j 17:29	25° \approx 18'35	
evening max el	-12316 Jul 26 j 01:33	28° \approx 34'30	21°02'38		-12315 Jun 08 j 15:58	0° \approx	
	-12316 Jul 27 j 13:04	0° \approx		desc. node	-12315 Jun 21 j 10:05	19° \approx 23'27	
retrograde	-12316 Aug 03 j 10:12	3° \approx 29'02			-12315 Jun 28 j 22:46	0° \approx	
evening set	-12316 Aug 07 j 11:15	1° \approx 56'40		evening max el	-12315 Jul 08 j 18:46	11° \approx 56'18	22°19'23
	-12316 Aug 09 j 12:37	30° \approx		retrograde	-12315 Jul 18 j 05:02	17° \approx 31'31	
inferior conj	-12316 Aug 12 j 19:16	25° \approx 49'30	-0°11'44	evening set	-12315 Jul 22 j 19:40	15° \approx 37'53	
minimum elong	-12316 Aug 12 j 19:30	25° \approx 48'42	0°11'02	inferior conj	-12315 Jul 28 j 01:11	9° \approx 25'28	-0°59'40
transit middle	-12316 Aug 12 j 19:30	25° \approx 48'42	0°11'02	minimum elong	-12315 Jul 28 j 02:22	9° \approx 21'21	0°58'46
transit begin	-12316 Aug 12 j 17:29	25° \approx 55'34		min. Earth dist.	-12315 Jul 28 j 03:30	9° \approx 17'26	0.67217 AU
transit end	-12316 Aug 12 j 21:31	25° \approx 41'50		asc. node	-12315 Jul 31 j 07:08	5° \approx 11'04	
asc. node	-12316 Aug 13 j 10:17	24° \approx 58'16		morning rise	-12315 Aug 02 j 08:59	3° \approx 06'54	
min. Earth dist.	-12316 Aug 13 j 08:11	25° \approx 05'25	0.66929 AU	direct	-12315 Aug 06 j 22:58	1° \approx 15'13	
morning rise	-12316 Aug 18 j 03:34	19° \approx 28'19		morning max el	-12315 Aug 16 j 15:41	7° \approx 05'11	22°33'10
direct	-12316 Aug 23 j 07:06	17° \approx 18'19			-12315 Sep 03 j 05:14	0° \approx	
morning max el	-12316 Sep 03 j 03:34	23° \approx 49'08	23°57'02	desc. node	-12315 Sep 17 j 07:18	21° \approx 34'19	
	-12316 Sep 08 j 15:04	0° \approx		morning set	-12315 Sep 18 j 21:33	24° \approx 08'25	
	-12316 Sep 29 j 17:39	0° \approx			-12315 Sep 22 j 11:16	0° \approx	
desc. node	-12316 Sep 30 j 10:18	1° \approx 05'42		max. Earth dist.	-12315 Sep 24 j 14:48	3° \approx 35'53	1.40914 AU
morning set	-12316 Oct 08 j 08:33	14° \approx 06'08					
max. Earth dist.	-12316 Oct 12 j 14:10	21° \approx 26'29	1.38947 AU	superior conj	-12315 Oct 02 j 05:12	16° \approx 49'05	-1°20'13
	-12316 Oct 17 j 07:48	0° \approx		minimum elong	-12315 Oct 02 j 01:46	16° \approx 33'41	1°19'12
					-12315 Oct 09 j 09:45	0° \approx	
superior conj	-12316 Oct 19 j 19:19	4° \approx 37'44	-1°33'48	evening rise	-12315 Oct 12 j 05:45	5° \approx 18'30	
minimum elong	-12316 Oct 19 j 17:39	4° \approx 29'48	1°33'06	asc. node	-12315 Oct 27 j 06:35	29° \approx 05'38	
evening rise	-12316 Oct 28 j 16:37	21° \approx 48'43			-12315 Oct 27 j 06:42	0° \approx	
	-12316 Nov 01 j 22:52	0° \approx		evening max el	-12315 Oct 28 j 09:51	1° \approx 11'18	18°17'17
asc. node	-12316 Nov 09 j 09:17	12° \approx 34'16		retrograde	-12315 Nov 04 j 17:17	4° \approx 51'32	
evening max el	-12316 Nov 14 j 03:57	18° \approx 21'14	18°47'30	evening set	-12315 Nov 07 j 04:36	4° \approx 27'19	
retrograde	-12316 Nov 22 j 08:48	22° \approx 19'23		inferior conj	-12315 Nov 14 j 12:00	29° \approx 40'31	4°06'15
evening set	-12316 Nov 24 j 20:29	21° \approx 58'57		minimum elong	-12315 Nov 14 j 09:21	29° \approx 46'11	4°06'21
inferior conj	-12316 Dec 02 j 16:29	17° \approx 33'47	4°17'08		-12315 Nov 14 j 02:51	30° \approx	
minimum elong	-12316 Dec 02 j 16:41	17° \approx 33'26	4°17'20	min. Earth dist.	-12315 Nov 17 j 15:26	27° \approx 00'31	0.60049 AU
min. Earth dist.	-12316 Dec 05 j 19:32	15° \approx 15'58	0.58233 AU	morning rise	-12315 Nov 21 j 12:33	24° \approx 14'21	
morning rise	-12316 Dec 10 j 10:59	12° \approx 28'18		direct	-12315 Nov 28 j 05:53	22° \approx 14'01	
direct	-12316 Dec 16 j 08:37	11° \approx 04'07		morning max el	-12315 Dec 12 j 05:49	29° \approx 35'13	26°56'27
desc. node	-12316 Dec 27 j 11:50	15° \approx 44'24			-12315 Dec 12 j 16:04	0° \approx	
morning max el	-12316 Dec 30 j 09:16	18° \approx 16'33	25°50'30	desc. node	-12315 Dec 14 j 08:25	1° \approx 42'53	
	-12315 Jan 09 j 04:59	0° \approx			-12314 Jan 02 j 22:25	0° \approx	
	-12315 Jan 26 j 07:11	0° \approx		morning set	-12314 Jan 11 j 19:55	17° \approx 16'51	
morning set	-12315 Jan 27 j 09:59	2° \approx 19'32			-12314 Jan 17 j 18:33	0° \approx	
superior conj	-12315 Feb 03 j 09:05	17° \approx 20'09	-0°17'53	superior conj	-12314 Jan 18 j 20:56	2° \approx 24'04	-0°39'25
minimum elong	-12315 Feb 03 j 09:49	17° \approx 24'11	0°18'16	minimum elong	-12314 Jan 18 j 22:24	2° \approx 32'06	0°39'32
max. Earth dist.	-12315 Feb 04 j 00:35	18° \approx 44'39	1.32910 AU	max. Earth dist.	-12314 Jan 18 j 14:07	1° \approx 46'53	1.32788 AU
asc. node	-12315 Feb 05 j 06:40	21° \approx 28'03		asc. node	-12314 Jan 23 j 03:57	11° \approx 44'09	
	-12315 Feb 09 j 06:35	0° \approx		evening rise	-12314 Jan 25 j 22:16	17° \approx 35'53	
evening rise	-12315 Feb 10 j 13:50	2° \approx 42'21			-12314 Feb 01 j 03:48	0° \approx	
	-12315 Feb 25 j 12:51	0° \approx			-12314 Feb 21 j 09:09	0° \approx	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening max el	-12314 Feb 23 j 07:56	1° Z 57'33	26°02'10		-12313 Jan 25 j 11:10	0° Z	
retrograde	-12314 Mar 09 j 10:27	9° Z 14'39		evening max el	-12313 Feb 05 j 02:32	13° Z 01'46	24°40'48
desc. node	-12314 Mar 12 j 09:52	8° Z 52'40		retrograde	-12313 Feb 18 j 23:41	19° Z 58'48	
evening set	-12314 Mar 15 j 02:48	7° Z 55'18		evening set	-12313 Feb 23 j 14:35	19° Z 10'12	
min. Earth dist.	-12314 Mar 19 j 21:13	5° Z 02'28	0.58589 AU	desc. node	-12313 Feb 27 j 06:46	17° Z 29'30	
inferior conj	-12314 Mar 23 j 03:31	2° Z 35'53	-2°24'48	min. Earth dist.	-12313 Mar 01 j 16:05	16° Z 03'26	0.56894 AU
minimum elong	-12314 Mar 23 j 00:05	2° Z 42'23	2°24'49	inferior conj	-12313 Mar 04 j 07:11	14° Z 20'27	-1°13'54
	-12314 Mar 26 j 20:31	30° R Z		minimum elong	-12313 Mar 04 j 04:34	14° Z 24'45	1°13'51
morning rise	-12314 Mar 31 j 00:28	28° Z 07'17		morning rise	-12313 Mar 12 j 21:45	10° Z 08'38	
direct	-12314 Apr 02 j 08:16	27° Z 48'55		direct	-12313 Mar 15 j 01:44	9° Z 55'18	
	-12314 Apr 08 j 08:45	0° Z		morning max el	-12313 Mar 24 j 09:06	14° Z 19'32	19°22'17
morning max el	-12314 Apr 10 j 07:17	1° Z 37'46	18°36'14		-12313 Apr 04 j 09:38	0° Z	
asc. node	-12314 Apr 21 j 02:47	17° Z 15'52		asc. node	-12313 Apr 07 j 23:43	6° Z 44'31	
morning set	-12314 Apr 26 j 13:01	27° Z 27'43		morning set	-12313 Apr 10 j 10:23	11° Z 32'39	
	-12314 Apr 27 j 20:39	0° \approx					
superior conj	-12314 May 05 j 17:47	15° \approx 00'44	1°40'29	superior conj	-12313 Apr 18 j 19:24	28° Z 09'49	1°24'50
minimum elong	-12314 May 05 j 15:10	14° \approx 48'35	1°39'47	minimum elong	-12313 Apr 18 j 16:20	27° Z 54'52	1°23'51
max. Earth dist.	-12314 May 12 j 19:49	27° \approx 49'22	1.39564 AU		-12313 Apr 19 j 18:07	0° \approx	
	-12314 May 14 j 01:47	0° X		max. Earth dist.	-12313 Apr 24 j 20:03	9° \approx 36'01	1.37718 AU
evening rise	-12314 May 17 j 05:26	5° X 23'31		evening rise	-12313 Apr 28 j 20:22	16° \approx 51'03	
	-12314 Jun 01 j 19:14	0° Y			-12313 May 06 j 13:55	0° X	
desc. node	-12314 Jun 08 j 07:37	9° Y 19'30		desc. node	-12313 May 26 j 05:06	28° X 48'58	
evening max el	-12314 Jun 21 j 06:35	25° Y 15'13	23°41'36		-12313 May 27 j 03:29	0° Y	
	-12314 Jun 27 j 00:58	0° Z		evening max el	-12313 Jun 03 j 16:09	8° Y 35'20	25°01'55
retrograde	-12314 Jul 01 j 21:04	1° Z 33'05		retrograde	-12313 Jun 15 j 09:24	15° Y 29'43	
	-12314 Jul 06 j 05:31	30° R Y		evening set	-12313 Jun 21 j 05:03	12° Y 57'06	
evening set	-12314 Jul 07 j 02:15	29° Y 18'23		min. Earth dist.	-12313 Jun 25 j 15:52	7° Y 48'58	0.66834 AU
inferior conj	-12314 Jul 12 j 07:26	23° Y 03'00	-1°43'18	inferior conj	-12313 Jun 26 j 12:16	6° Y 41'01	-2°21'20
minimum elong	-12314 Jul 12 j 09:19	22° Y 56'33	1°42'25	minimum elong	-12313 Jun 26 j 14:31	6° Y 33'34	2°20'40
min. Earth dist.	-12314 Jul 11 j 22:49	23° Y 32'34	0.67192 AU	morning rise	-12313 Jul 01 j 23:58	0° Y 37'45	
morning rise	-12314 Jul 17 j 16:20	16° Y 50'30			-12313 Jul 03 j 00:45	30° R X	
asc. node	-12314 Jul 18 j 03:54	16° Y 29'28		asc. node	-12313 Jul 05 j 00:38	29° X 22'31	
direct	-12314 Jul 21 j 18:12	15° Y 16'45		direct	-12313 Jul 05 j 15:37	29° X 20'19	
morning max el	-12314 Jul 30 j 08:36	20° Y 24'37	21°13'37		-12313 Jul 08 j 09:27	0° Y	
	-12314 Aug 07 j 04:55	0° Z		morning max el	-12313 Jul 13 j 07:45	3° Y 49'49	20°04'03
	-12314 Aug 27 j 11:35	0° II			-12313 Aug 01 j 02:31	0° Z	
morning set	-12314 Aug 29 j 10:55	3° II 04'47		morning set	-12313 Aug 08 j 14:03	11° Z 34'02	
desc. node	-12314 Sep 04 j 04:26	12° II 10'46			-12313 Aug 20 j 06:56	0° II	
max. Earth dist.	-12314 Sep 06 j 20:50	16° II 31'46	1.42638 AU	max. Earth dist.	-12313 Aug 20 j 08:24	0° II 05'53	1.43894 AU
				desc. node	-12313 Aug 22 j 01:40	2° II 51'14	
superior conj	-12314 Sep 13 j 15:43	27° II 49'39	-0°54'42	superior conj	-12313 Aug 24 j 22:43	7° II 30'07	-0°17'10
minimum elong	-12314 Sep 13 j 11:39	27° II 32'25	0°53'30	minimum elong	-12313 Aug 24 j 20:58	7° II 22'59	0°16'16
	-12314 Sep 14 j 22:17	0° III		behind sun begin	-12313 Aug 24 j 20:03	7° II 19'16	
evening rise	-12314 Sep 25 j 05:52	18° III 08'22		behind sun end	-12313 Aug 24 j 21:53	7° II 26'43	
	-12314 Oct 01 j 22:31	0° II		evening rise	-12313 Sep 07 j 11:53	0° III 05'40	
evening max el	-12314 Oct 11 j 21:07	14° II 21'26	18°06'56		-12313 Sep 07 j 10:34	0° III	
asc. node	-12314 Oct 14 j 03:47	16° II 18'18		evening max el	-12313 Sep 25 j 10:47	27° III 44'13	18°15'27
retrograde	-12314 Oct 18 j 16:13	17° II 54'27			-12313 Sep 28 j 03:12	0° II	
evening set	-12314 Oct 21 j 05:08	17° II 24'39		asc. node	-12313 Oct 01 j 00:58	1° II 13'34	
inferior conj	-12314 Oct 28 j 00:39	12° II 17'12	3°34'41	retrograde	-12313 Oct 02 j 01:29	1° II 19'02	
minimum elong	-12314 Oct 27 j 20:52	12° II 26'25	3°34'27	evening set	-12313 Oct 04 j 18:16	0° II 41'11	
min. Earth dist.	-12314 Oct 30 j 19:53	9° II 34'24	0.61855 AU		-12313 Oct 05 j 23:50	30° R III	
morning rise	-12314 Nov 03 j 11:23	6° II 33'09		inferior conj	-12313 Oct 11 j 03:03	25° III 15'23	2°51'04
direct	-12314 Nov 10 j 12:26	4° II 05'33		minimum elong	-12313 Oct 10 j 23:25	25° III 25'15	2°50'42
morning max el	-12314 Nov 24 j 08:58	11° II 34'05	27°30'17	min. Earth dist.	-12313 Oct 13 j 10:15	22° III 45'44	0.63484 AU
desc. node	-12314 Dec 01 j 05:01	19° II 09'42		morning rise	-12313 Oct 17 j 03:42	19° III 16'45	
	-12314 Dec 09 j 01:44	0° III		direct	-12313 Oct 24 j 02:51	16° III 35'05	
	-12314 Dec 26 j 01:59	0° IV		morning max el	-12313 Nov 06 j 16:44	24° III 07'27	27°29'25
morning set	-12314 Dec 27 j 01:41	2° IV 00'18			-12313 Nov 12 j 02:41	0° II	
max. Earth dist.	-12313 Jan 02 j 01:43	14° IV 40'07	1.33001 AU	desc. node	-12313 Nov 18 j 01:39	7° II 38'52	
					-12313 Dec 02 j 07:46	0° III	
superior conj	-12313 Jan 03 j 08:12	17° IV 25'17	-0°58'52	morning set	-12313 Dec 11 j 00:46	16° III 19'50	
minimum elong	-12313 Jan 03 j 10:08	17° IV 35'45	0°58'46	max. Earth dist.	-12313 Dec 16 j 07:29	27° III 10'09	1.33591 AU
	-12313 Jan 09 j 03:46	0° V			-12313 Dec 17 j 15:33	0° IV	
evening rise	-12313 Jan 10 j 08:59	2° V 34'29					
asc. node	-12313 Jan 10 j 01:17	1° V 54'01		superior conj	-12313 Dec 18 j 17:05	2° IV 16'11	-1°15'27

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-12313 Dec 18 j 19:06	2° Ω 27'01	1°15'12	superior conj	-12312 Dec 01 j 21:34	16° Π 49'52	-1°28'11
evening rise	-12313 Dec 25 j 20:12	17° Ω 30'44		minimum elong	-12312 Dec 01 j 23:14	16° Π 58'37	1°27'53
asc. node	-12313 Dec 27 j 22:40	21° Ω 51'49			-12312 Dec 08 j 03:39	0° Ω	
	-12312 Jan 01 j 02:15	0° Π		evening rise	-12312 Dec 09 j 06:20	2° Ω 19'08	
evening max el	-12312 Jan 17 j 19:57	23° Π 53'37	23°07'40	asc. node	-12312 Dec 13 j 20:04	11° Ω 31'46	
	-12312 Jan 28 j 07:28	0° \mathcal{A}			-12312 Dec 25 j 05:36	0° Π	
retrograde	-12312 Jan 31 j 00:16	0° \mathcal{A} 16'29		evening max el	-12312 Dec 29 j 17:22	4° Π 55'53	21°35'52
	-12312 Feb 02 j 17:55	30° $\mathcal{R}\Pi$		retrograde	-12311 Jan 10 j 15:27	10° Π 33'44	
evening set	-12312 Feb 03 j 15:02	29° Π 47'56		evening set	-12311 Jan 13 j 14:32	10° Π 13'59	
min. Earth dist.	-12312 Feb 11 j 08:15	26° Π 15'44	0.55780 AU	inferior conj	-12311 Jan 22 j 14:45	6° Π 12'44	2°05'15
inferior conj	-12312 Feb 12 j 16:27	25° Π 28'18	0°22'25	minimum elong	-12311 Jan 22 j 19:40	6° Π 05'43	2°03'25
minimum elong	-12312 Feb 12 j 17:22	25° Π 26'56	0°21'31	min. Earth dist.	-12311 Jan 22 j 22:28	6° Π 01'43	0.55472 AU
desc. node	-12312 Feb 14 j 03:35	24° Π 36'58		desc. node	-12311 Jan 31 j 00:20	2° Π 17'36	
morning rise	-12312 Feb 21 j 21:27	21° Π 24'31		morning rise	-12311 Feb 01 j 00:27	2° Π 03'25	
direct	-12312 Feb 24 j 02:31	21° Π 12'33		direct	-12311 Feb 03 j 18:17	1° Π 46'34	
morning max el	-12312 Mar 06 j 01:01	26° Π 24'38	20°27'53	morning max el	-12311 Feb 16 j 05:27	7° Π 48'38	21°51'14
	-12312 Mar 09 j 08:28	0° \mathcal{A}			-12311 Mar 03 j 12:47	0° \mathcal{A}	
morning set	-12312 Mar 24 j 14:58	26° \mathcal{A} 04'06		morning set	-12311 Mar 09 j 00:15	10° \mathcal{A} 54'05	
asc. node	-12312 Mar 24 j 20:44	26° \mathcal{A} 33'29		asc. node	-12311 Mar 11 j 17:50	16° \mathcal{A} 36'54	
	-12312 Mar 26 j 13:06	0° \mathcal{Z}					
superior conj	-12312 Apr 01 j 09:44	12° \mathcal{Z} 00'33	1°04'41	superior conj	-12311 Mar 16 j 09:05	26° \mathcal{A} 21'54	0°42'06
minimum elong	-12312 Apr 01 j 07:05	11° \mathcal{Z} 47'09	1°03'34	minimum elong	-12311 Mar 16 j 07:18	26° \mathcal{A} 12'34	0°41'03
max. Earth dist.	-12312 Apr 06 j 02:03	21° \mathcal{Z} 18'06	1.36076 AU	max. Earth dist.	-12311 Mar 18 j 03:06	0° \mathcal{Z}	
evening rise	-12312 Apr 10 j 09:16	29° \mathcal{Z} 27'33		evening rise	-12311 Mar 19 j 18:03	3° \mathcal{Z} 19'29	1.34749 AU
	-12312 Apr 10 j 16:17	0° \approx			-12311 Mar 24 j 14:26	12° \mathcal{Z} 55'57	
	-12312 Apr 28 j 18:25	0° \mathcal{H}			-12311 Apr 03 j 00:30	0° \approx	
desc. node	-12312 May 12 j 02:32	17° \mathcal{H} 40'57		evening max el	-12311 Apr 23 j 16:59	0° \mathcal{H}	
evening max el	-12312 May 16 j 02:11	21° \mathcal{H} 57'07	26°11'39	desc. node	-12311 Apr 28 j 13:07	5° \mathcal{H} 13'41	27°02'08
retrograde	-12312 May 28 j 17:11	29° \mathcal{H} 16'02		retrograde	-12311 Apr 28 j 23:54	5° \mathcal{H} 39'52	
evening set	-12312 Jun 04 j 01:54	26° \mathcal{H} 31'55		evening set	-12311 May 11 j 19:42	12° \mathcal{H} 44'58	
min. Earth dist.	-12312 Jun 08 j 04:20	22° \mathcal{H} 03'03	0.66114 AU	min. Earth dist.	-12311 May 18 j 14:12	9° \mathcal{H} 58'57	
inferior conj	-12312 Jun 09 j 13:48	20° \mathcal{H} 17'26	-2°52'19	inferior conj	-12311 May 22 j 09:57	6° \mathcal{H} 08'02	0.65007 AU
minimum elong	-12312 Jun 09 j 15:59	20° \mathcal{H} 10'33	2°52'02	minimum elong	-12311 May 24 j 09:46	3° \mathcal{H} 48'28	-3°14'19
morning rise	-12312 Jun 15 j 06:09	14° \mathcal{H} 26'23			-12311 May 24 j 11:22	3° \mathcal{H} 43'46	3°14'28
direct	-12312 Jun 18 j 13:31	13° \mathcal{H} 23'20			-12311 May 27 j 22:49	30° $\mathcal{R}\approx$	
asc. node	-12312 Jun 20 j 21:24	13° \mathcal{H} 52'58		morning rise	-12311 May 30 j 08:54	28° \approx 12'27	
morning max el	-12312 Jun 25 j 13:09	17° \mathcal{H} 21'25	19°08'22	direct	-12311 Jun 02 j 09:40	27° \approx 21'53	
	-12312 Jul 05 j 01:13	0° Υ		asc. node	-12311 Jun 07 j 18:10	29° \approx 48'39	
morning set	-12312 Jul 18 j 02:48	20° Υ 30'50		morning max el	-12311 Jun 07 j 23:20	0° \mathcal{H}	
	-12312 Jul 24 j 02:26	0° \mathcal{B}			-12311 Jun 08 j 23:33	0° \mathcal{H} 57'38	18°28'52
max. Earth dist.	-12312 Aug 01 j 24:00	14° \mathcal{B} 04'32	1.44524 AU	morning set	-12311 Jun 28 j 06:55	0° Υ	
					-12311 Jun 28 j 14:14	0° Υ 30'09	
superior conj	-12312 Aug 03 j 06:01	16° \mathcal{B} 03'27	0°27'38	superior conj	-12311 Jul 13 j 06:28	24° Υ 18'06	1°09'04
minimum elong	-12312 Aug 03 j 09:20	16° \mathcal{B} 16'38	0°27'45	minimum elong	-12311 Jul 13 j 13:03	24° Υ 44'18	1°08'43
desc. node	-12312 Aug 07 j 23:01	23° \mathcal{B} 32'33		max. Earth dist.	-12311 Jul 15 j 16:50	28° Υ 10'08	1.44454 AU
	-12312 Aug 11 j 23:50	0° Π			-12311 Jul 16 j 20:34	0° \mathcal{B}	
evening rise	-12312 Aug 18 j 18:06	10° Π 56'03		desc. node	-12311 Jul 25 j 20:26	14° \mathcal{B} 11'05	
	-12312 Aug 30 j 14:34	0° \mathcal{E}		evening rise	-12311 Jul 29 j 20:49	20° \mathcal{B} 29'46	
evening max el	-12312 Sep 07 j 23:54	11° \mathcal{E} 13'39	18°41'44		-12311 Aug 04 j 22:19	0° Π	
retrograde	-12312 Sep 14 j 17:24	14° \mathcal{E} 59'03		greatest brilliancy	-12311 Aug 08 j 08:43	5° Π 20'17	-0.8m
asc. node	-12312 Sep 16 j 22:04	14° \mathcal{E} 32'00		evening max el	-12311 Aug 22 j 09:37	24° Π 43'59	19°24'46
evening set	-12312 Sep 17 j 16:25	14° \mathcal{E} 10'01		retrograde	-12311 Aug 29 j 12:59	28° Π 49'06	
inferior conj	-12312 Sep 23 j 15:55	8° \mathcal{E} 28'41	2°01'18	evening set	-12311 Sep 01 j 20:26	27° Π 45'37	
minimum elong	-12312 Sep 23 j 13:10	8° \mathcal{E} 36'52	2°01'06	asc. node	-12311 Sep 03 j 19:06	26° Π 11'29	
min. Earth dist.	-12312 Sep 25 j 10:18	6° \mathcal{E} 22'45	0.64839 AU	inferior conj	-12311 Sep 07 j 12:25	21° Π 51'45	1°09'11
morning rise	-12312 Sep 29 j 09:23	2° \mathcal{E} 18'55		minimum elong	-12311 Sep 07 j 10:49	21° Π 56'49	1°09'20
	-12312 Oct 03 j 09:58	30° $\mathcal{R}\Pi$		min. Earth dist.	-12311 Sep 08 j 18:35	20° Π 15'25	0.65885 AU
direct	-12312 Oct 05 j 23:47	29° Π 36'07		morning rise	-12311 Sep 13 j 00:52	15° Π 34'25	
	-12312 Oct 08 j 16:40	0° \mathcal{E}		direct	-12311 Sep 19 j 02:37	13° Π 00'16	
morning max el	-12312 Oct 19 j 02:40	7° \mathcal{E} 05'18	26°56'55	morning max el	-12311 Oct 01 j 12:56	20° Π 16'28	25°59'13
desc. node	-12312 Nov 03 j 22:22	26° \mathcal{E} 52'30			-12311 Oct 09 j 23:51	0° \mathcal{E}	
	-12312 Nov 06 j 00:46	0° \mathcal{Q}		desc. node	-12311 Oct 21 j 19:10	16° \mathcal{E} 37'24	
morning set	-12312 Nov 23 j 14:00	0° Π 05'26			-12311 Oct 30 j 03:09	0° \mathcal{Q}	
	-12312 Nov 23 j 12:52	0° Π		morning set	-12311 Nov 06 j 13:20	13° \mathcal{Q} 05'03	
max. Earth dist.	-12312 Nov 28 j 04:17	9° Π 10'09	1.34599 AU	max. Earth dist.	-12311 Nov 10 j 14:38	20° \mathcal{Q} 43'14	1.36028 AU
					-12311 Nov 15 j 07:33	0° Π	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-12311 Nov 15 j 19:06	0° \mathbb{M} 58'12	-1°35'54	minimum elong	-12310 Oct 30 j 05:42	14° \mathcal{Q} 27'48	1°36'26
minimum elong	-12311 Nov 15 j 19:53	1° \mathbb{M} 02'12	1°35'31		-12310 Nov 07 j 02:03	0° \mathbb{M}	
evening rise	-12311 Nov 23 j 13:36	16° \mathbb{M} 54'04		evening rise	-12310 Nov 07 j 15:56	1° \mathbb{M} 09'07	
	-12311 Nov 30 j 07:00	0° \mathcal{L}		asc. node	-12310 Nov 17 j 14:50	19° \mathbb{M} 28'51	
asc. node	-12311 Nov 30 j 17:28	0° \mathcal{L} 47'06		evening max el	-12310 Nov 24 j 15:15	28° \mathbb{M} 30'10	19°14'05
evening max el	-12311 Dec 11 j 23:11	16° \mathcal{L} 26'01	20°16'01		-12310 Nov 26 j 08:57	0° \mathcal{L}	
retrograde	-12311 Dec 22 j 08:08	21° \mathcal{L} 18'20		retrograde	-12310 Dec 03 j 13:13	2° \mathcal{L} 44'57	
evening set	-12311 Dec 24 j 23:39	21° \mathcal{L} 00'41		evening set	-12310 Dec 06 j 01:28	2° \mathcal{L} 26'14	
inferior conj	-12310 Jan 02 j 14:59	16° \mathcal{L} 59'41	3°26'44		-12310 Dec 11 j 11:04	30° \mathcal{R} \mathbb{M}	
minimum elong	-12310 Jan 02 j 20:28	16° \mathcal{L} 51'24	3°25'27	inferior conj	-12310 Dec 14 j 04:47	28° \mathbb{M} 12'09	4°09'49
min. Earth dist.	-12310 Jan 04 j 11:34	15° \mathcal{L} 52'26	0.56016 AU	minimum elong	-12310 Dec 14 j 07:10	28° \mathbb{M} 08'03	4°09'41
morning rise	-12310 Jan 11 j 15:36	12° \mathcal{L} 31'23		min. Earth dist.	-12310 Dec 17 j 01:18	26° \mathbb{M} 15'47	0.57276 AU
direct	-12310 Jan 15 j 11:53	11° \mathcal{L} 58'48		morning rise	-12310 Dec 22 j 10:47	23° \mathbb{M} 19'23	
desc. node	-12310 Jan 17 j 21:03	12° \mathcal{L} 11'42		direct	-12310 Dec 27 j 15:32	22° \mathbb{M} 16'47	
morning max el	-12310 Jan 29 j 00:17	18° \mathcal{L} 40'23	23°26'21	desc. node	-12309 Jan 04 j 17:42	24° \mathbb{M} 46'03	
	-12310 Feb 07 j 06:22	0° \mathbb{M}		morning max el	-12309 Jan 10 j 15:03	29° \mathbb{M} 22'18	25°01'35
morning set	-12310 Feb 21 j 12:07	25° \mathbb{M} 55'43			-12309 Jan 11 j 06:33	0° \mathcal{L}	
	-12310 Feb 23 j 10:25	0° \mathcal{L}			-12309 Jan 31 j 13:35	0° \mathbb{M}	
asc. node	-12310 Feb 26 j 15:01	6° \mathcal{L} 50'05		morning set	-12309 Feb 06 j 00:39	11° \mathbb{M} 00'59	
superior conj	-12310 Feb 28 j 14:39	11° \mathcal{L} 05'18	0°18'36	superior conj	-12309 Feb 13 j 00:05	26° \mathbb{M} 01'58	-0°04'48
minimum elong	-12310 Feb 28 j 13:53	11° \mathcal{L} 01'10	0°17'45	minimum elong	-12309 Feb 13 j 00:19	26° \mathbb{M} 03'11	0°05'22
max. Earth dist.	-12310 Mar 02 j 19:52	15° \mathcal{L} 47'52	1.33765 AU	behind sun begin	-12309 Feb 12 j 19:31	25° \mathbb{M} 37'11	
evening rise	-12310 Mar 08 j 07:16	27° \mathcal{L} 02'13		behind sun end	-12309 Feb 13 j 05:06	26° \mathbb{M} 29'10	
	-12310 Mar 09 j 19:23	0° \mathcal{Z}		asc. node	-12309 Feb 13 j 12:14	27° \mathbb{M} 07'48	
	-12310 Mar 27 j 08:04	0° \approx		max. Earth dist.	-12309 Feb 14 j 04:46	28° \mathbb{M} 37'12	1.33123 AU
evening max el	-12310 Apr 10 j 23:27	18° \approx 14'08	27°26'06		-12309 Feb 14 j 20:08	0° \mathcal{L}	
desc. node	-12310 Apr 15 j 21:10	22° \approx 24'29		evening rise	-12309 Feb 20 j 08:10	11° \mathcal{L} 33'47	
retrograde	-12310 Apr 24 j 16:27	25° \approx 49'12			-12309 Mar 02 j 01:35	0° \mathcal{Z}	
evening set	-12310 May 01 j 14:59	23° \approx 13'32			-12309 Mar 23 j 12:11	0° \approx	
min. Earth dist.	-12310 May 05 j 07:08	19° \approx 54'46	0.63512 AU	evening max el	-12309 Mar 24 j 06:58	0° \approx 46'14	27°18'46
inferior conj	-12310 May 07 j 21:31	17° \approx 09'59	-3°24'34	desc. node	-12309 Apr 02 j 18:22	7° \approx 24'52	
minimum elong	-12310 May 07 j 21:58	17° \approx 08'48	3°25'03	retrograde	-12309 Apr 07 j 06:42	8° \approx 19'02	
morning rise	-12310 May 14 j 05:53	11° \approx 51'19		evening set	-12309 Apr 14 j 00:53	6° \approx 06'48	
direct	-12310 May 17 j 01:15	11° \approx 11'39		min. Earth dist.	-12309 Apr 17 j 19:16	3° \approx 09'08	0.61689 AU
morning max el	-12310 May 23 j 12:56	14° \approx 35'27	18°06'54	inferior conj	-12309 Apr 20 j 21:53	0° \approx 14'33	-3°19'02
asc. node	-12310 May 25 j 14:57	16° \approx 54'20		minimum elong	-12309 Apr 20 j 20:40	0° \approx 17'24	3°19'36
	-12310 Jun 03 j 07:33	0° \mathcal{H}			-12309 Apr 21 j 04:04	30° \mathcal{R} \mathcal{Z}	
morning set	-12310 Jun 10 j 02:48	11° \mathcal{H} 39'56		morning rise	-12309 Apr 27 j 18:14	25° \mathcal{Z} 14'53	
	-12310 Jun 20 j 22:05	0° \mathcal{Y}		direct	-12309 Apr 30 j 08:54	24° \mathcal{Z} 44'43	
				morning max el	-12309 May 07 j 02:44	28° \mathcal{Z} 08'08	18°03'17
superior conj	-12310 Jun 22 j 22:10	3° \mathcal{Y} 18'31	1°36'58		-12309 May 08 j 20:20	0° \approx	
minimum elong	-12310 Jun 23 j 03:01	3° \mathcal{Y} 38'26	1°36'42	asc. node	-12309 May 12 j 11:45	4° \approx 54'16	
max. Earth dist.	-12310 Jun 28 j 07:20	12° \mathcal{Y} 03'12	1.43700 AU	morning set	-12309 May 23 j 13:07	23° \approx 52'38	
evening rise	-12310 Jul 09 j 01:30	29° \mathcal{Y} 01'58			-12309 May 26 j 22:37	0° \mathcal{H}	
	-12310 Jul 09 j 16:27	0° \mathcal{B}		superior conj	-12309 Jun 03 j 16:06	13° \mathcal{H} 36'36	1°48'29
desc. node	-12310 Jul 12 j 17:53	4° \mathcal{B} 43'38		minimum elong	-12309 Jun 03 j 17:10	13° \mathcal{H} 41'12	1°48'15
	-12310 Jul 29 j 20:00	0° \mathbb{I}		max. Earth dist.	-12309 Jun 10 j 16:34	25° \mathcal{H} 25'47	1.42365 AU
evening max el	-12310 Aug 05 j 13:35	8° \mathbb{I} 11'38	20°23'02		-12309 Jun 13 j 11:43	0° \mathcal{Y}	
retrograde	-12310 Aug 13 j 09:46	12° \mathbb{I} 45'59		evening rise	-12309 Jun 18 j 03:14	7° \mathcal{Y} 26'06	
evening set	-12310 Aug 17 j 03:49	11° \mathbb{I} 24'53		desc. node	-12309 Jun 29 j 15:22	25° \mathcal{Y} 06'21	
asc. node	-12310 Aug 21 j 16:04	6° \mathbb{I} 35'00			-12309 Jul 02 j 22:51	0° \mathcal{B}	
inferior conj	-12310 Aug 22 j 14:08	5° \mathbb{I} 21'32	0°17'18	evening max el	-12309 Jul 19 j 10:34	21° \mathcal{B} 35'19	21°34'14
minimum elong	-12310 Aug 22 j 13:44	5° \mathbb{I} 22'52	0°17'49	retrograde	-12309 Jul 28 j 05:49	26° \mathcal{B} 47'10	
min. Earth dist.	-12310 Aug 23 j 09:08	4° \mathbb{I} 17'52	0.66629 AU	evening set	-12309 Aug 01 j 12:23	25° \mathcal{B} 05'58	
	-12310 Aug 26 j 22:15	30° \mathcal{R} \mathcal{B}		inferior conj	-12309 Aug 06 j 19:04	18° \mathcal{B} 56'03	-0°32'31
morning rise	-12310 Aug 27 j 23:28	29° \mathcal{B} 00'30		minimum elong	-12309 Aug 06 j 19:44	18° \mathcal{B} 53'46	0°31'42
direct	-12310 Sep 02 j 11:00	26° \mathcal{B} 40'53		min. Earth dist.	-12309 Aug 07 j 03:29	18° \mathcal{B} 27'03	0.67081 AU
	-12310 Sep 10 j 00:54	0° \mathbb{I}		asc. node	-12309 Aug 08 j 12:56	16° \mathcal{B} 33'52	
morning max el	-12310 Sep 13 j 22:52	3° \mathbb{I} 32'04	24°44'22	morning rise	-12309 Aug 12 j 02:56	12° \mathcal{B} 35'18	
	-12310 Oct 04 j 06:34	0° \mathcal{E}		direct	-12309 Aug 17 j 00:28	10° \mathcal{B} 33'06	
desc. node	-12310 Oct 08 j 16:01	6° \mathcal{E} 44'20		morning max el	-12309 Aug 27 j 09:27	16° \mathcal{B} 47'55	23°21'17
morning set	-12310 Oct 19 j 17:44	25° \mathcal{E} 04'47			-12309 Sep 07 j 05:46	0° \mathbb{I}	
	-12310 Oct 22 j 12:14	0° \mathcal{Q}		desc. node	-12309 Sep 25 j 12:56	27° \mathbb{I} 06'41	
max. Earth dist.	-12310 Oct 23 j 16:18	2° \mathcal{Q} 07'10	1.37812 AU		-12309 Sep 27 j 08:08	0° \mathcal{E}	
superior conj	-12310 Oct 30 j 06:21	14° \mathcal{Q} 30'58	-1°36'59	morning set	-12309 Sep 30 j 22:02	5° \mathcal{E} 52'05	


































































































































Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

max. Earth dist.	-12309 Oct 05 j 14:59	13° \mathfrak{C} 51'20	1.39784 AU		-12308 Sep 18 j 22:03	0° \mathfrak{C}	
superior conj	-12309 Oct 13 j 03:02	27° \mathfrak{C} 16'28	-1°29'24	superior conj	-12308 Sep 24 j 03:39	8° \mathfrak{C} 59'29	-1°10'56
minimum elong	-12309 Oct 13 j 00:34	27° \mathfrak{C} 05'04	1°28'34	minimum elong	-12308 Sep 23 j 23:42	8° \mathfrak{C} 42'14	1°09'48
	-12309 Oct 14 j 14:16	0° \mathfrak{Q}		evening rise	-12308 Oct 04 j 18:52	28° \mathfrak{C} 11'22	
evening rise	-12309 Oct 22 j 10:48	14° \mathfrak{Q} 57'47			-12308 Oct 05 j 18:29	0° \mathfrak{Q}	
	-12309 Oct 30 j 14:35	0° \mathfrak{P}		evening max el	-12308 Oct 21 j 01:26	24° \mathfrak{Q} 05'48	18°10'36
asc. node	-12309 Nov 04 j 12:09	7° \mathfrak{P} 26'16		asc. node	-12308 Oct 21 j 09:25	24° \mathfrak{Q} 25'11	
evening max el	-12309 Nov 07 j 16:50	11° \mathfrak{P} 06'10	18°32'16	retrograde	-12308 Oct 28 j 02:24	27° \mathfrak{Q} 41'20	
retrograde	-12309 Nov 15 j 11:34	14° \mathfrak{P} 55'17		evening set	-12308 Oct 30 j 14:16	27° \mathfrak{Q} 14'55	
evening set	-12309 Nov 17 j 22:46	14° \mathfrak{P} 33'33		inferior conj	-12308 Nov 06 j 16:30	22° \mathfrak{Q} 19'21	3°54'48
inferior conj	-12309 Nov 25 j 13:24	9° \mathfrak{P} 59'40	4°15'46	minimum elong	-12308 Nov 06 j 13:10	22° \mathfrak{Q} 26'53	3°54'45
minimum elong	-12309 Nov 25 j 12:11	10° \mathfrak{P} 02'04	4°15'59	min. Earth dist.	-12308 Nov 09 j 17:19	19° \mathfrak{Q} 35'52	0.60833 AU
min. Earth dist.	-12309 Nov 28 j 18:12	7° \mathfrak{P} 29'37	0.58983 AU	morning rise	-12308 Nov 13 j 10:42	16° \mathfrak{Q} 45'31	
morning rise	-12309 Dec 02 j 23:45	4° \mathfrak{P} 44'49		direct	-12308 Nov 20 j 08:57	14° \mathfrak{Q} 31'50	
direct	-12309 Dec 09 j 07:16	3° \mathfrak{P} 04'24		morning max el	-12308 Dec 04 j 07:21	21° \mathfrak{Q} 56'09	27°15'00
desc. node	-12309 Dec 22 j 14:20	9° \mathfrak{P} 39'56		desc. node	-12308 Dec 08 j 10:55	26° \mathfrak{Q} 19'03	
morning max el	-12309 Dec 23 j 08:14	10° \mathfrak{P} 21'54	26°21'58		-12308 Dec 11 j 12:05	0° \mathfrak{P}	
	-12308 Jan 07 j 11:47	0° \mathfrak{L}			-12308 Dec 30 j 08:33	0° \mathfrak{L}	
morning set	-12308 Jan 21 j 12:03	26° \mathfrak{L} 03'17		morning set	-12307 Jan 04 j 20:27	10° \mathfrak{L} 55'10	
	-12308 Jan 23 j 08:51	0° \mathfrak{M}					
superior conj	-12308 Jan 28 j 11:34	11° \mathfrak{M} 05'22	-0°27'13	superior conj	-12307 Jan 11 j 23:22	26° \mathfrak{L} 08'45	-0°47'58
minimum elong	-12308 Jan 28 j 12:38	11° \mathfrak{M} 11'15	0°27'29	minimum elong	-12307 Jan 12 j 01:04	26° \mathfrak{L} 18'03	0°47'59
max. Earth dist.	-12308 Jan 28 j 17:32	11° \mathfrak{M} 37'59	1.32816 AU	max. Earth dist.	-12307 Jan 11 j 06:34	24° \mathfrak{L} 37'13	1.32835 AU
asc. node	-12308 Jan 31 j 09:30	17° \mathfrak{M} 25'53			-12307 Jan 13 j 17:44	0° \mathfrak{M}	
evening rise	-12308 Feb 04 j 14:29	26° \mathfrak{M} 21'49		asc. node	-12307 Jan 17 j 06:49	7° \mathfrak{M} 39'58	
	-12308 Feb 06 j 09:04	0° \mathfrak{N}		evening rise	-12307 Jan 19 j 00:05	11° \mathfrak{M} 18'17	
	-12308 Feb 23 j 18:43	0° \mathfrak{Z}			-12307 Jan 28 j 16:22	0° \mathfrak{N}	
evening max el	-12308 Mar 05 j 09:48	12° \mathfrak{Z} 42'49	26°38'45	evening max el	-12307 Feb 15 j 07:13	24° \mathfrak{N} 03'51	25°29'58
retrograde	-12308 Mar 19 j 12:50	20° \mathfrak{Z} 07'28			-12307 Feb 23 j 18:07	0° \mathfrak{Z}	
desc. node	-12308 Mar 19 j 15:29	20° \mathfrak{Z} 07'26		retrograde	-12307 Mar 01 j 08:29	1° \mathfrak{Z} 13'11	
evening set	-12308 Mar 25 j 16:59	18° \mathfrak{Z} 28'16		evening set	-12307 Mar 06 j 14:20	0° \mathfrak{Z} 08'12	
min. Earth dist.	-12308 Mar 29 j 23:15	15° \mathfrak{Z} 37'25	0.59706 AU	desc. node	-12307 Mar 06 j 12:28	0° \mathfrak{Z} 10'04	
inferior conj	-12308 Apr 02 j 07:16	12° \mathfrak{Z} 54'16	-2°52'15		-12307 Mar 06 j 22:12	30° \mathfrak{R} \mathfrak{N}	
minimum elong	-12308 Apr 02 j 04:23	13° \mathfrak{Z} 00'13	2°52'31	min. Earth dist.	-12307 Mar 11 j 20:46	27° \mathfrak{N} 10'45	0.57818 AU
morning rise	-12308 Apr 09 j 18:29	8° \mathfrak{Z} 14'13		inferior conj	-12307 Mar 14 j 22:23	25° \mathfrak{N} 00'59	-1°58'25
direct	-12308 Apr 12 j 04:40	7° \mathfrak{Z} 52'04		minimum elong	-12307 Mar 14 j 18:57	25° \mathfrak{N} 07'04	1°58'18
morning max el	-12308 Apr 19 j 14:10	11° \mathfrak{Z} 27'55	18°18'34	morning rise	-12307 Mar 23 j 02:47	20° \mathfrak{N} 39'44	
asc. node	-12308 Apr 28 j 08:33	23° \mathfrak{Z} 36'02		direct	-12307 Mar 25 j 08:48	20° \mathfrak{N} 23'47	
	-12308 May 01 j 22:52	0° \mathfrak{A}		morning max el	-12307 Apr 02 j 20:18	24° \mathfrak{N} 26'06	18°53'19
morning set	-12308 May 05 j 16:23	6° \mathfrak{A} 57'20			-12307 Apr 07 j 12:59	0° \mathfrak{Z}	
				asc. node	-12307 Apr 15 j 05:27	12° \mathfrak{Z} 50'08	
superior conj	-12308 May 15 j 11:38	25° \mathfrak{A} 11'28	1°46'19	morning set	-12307 Apr 19 j 08:16	20° \mathfrak{Z} 43'42	
minimum elong	-12308 May 15 j 09:54	25° \mathfrak{A} 03'34	1°45'50		-12307 Apr 24 j 02:05	0° \mathfrak{A}	
	-12308 May 18 j 04:02	0° \mathfrak{H}		superior conj	-12307 Apr 28 j 03:51	7° \mathfrak{A} 50'36	1°34'34
max. Earth dist.	-12308 May 22 j 20:05	8° \mathfrak{H} 07'49	1.40643 AU	minimum elong	-12307 Apr 28 j 00:54	7° \mathfrak{A} 36'37	1°33'44
evening rise	-12308 May 27 j 23:40	16° \mathfrak{H} 45'18		max. Earth dist.	-12307 May 04 j 20:33	20° \mathfrak{A} 12'23	1.38772 AU
	-12308 Jun 05 j 07:17	0° \mathfrak{Y}		evening rise	-12307 May 08 j 23:35	27° \mathfrak{A} 27'08	
desc. node	-12308 Jun 15 j 12:53	15° \mathfrak{Y} 14'06			-12307 May 10 j 11:20	0° \mathfrak{H}	
	-12308 Jun 26 j 14:55	0° \mathfrak{B}			-12307 May 29 j 19:07	0° \mathfrak{Y}	
evening max el	-12308 Jul 01 j 01:11	4° \mathfrak{B} 55'40	22°54'10	desc. node	-12307 Jun 02 j 10:25	5° \mathfrak{Y} 00'23	
retrograde	-12308 Jul 10 j 23:34	10° \mathfrak{B} 49'27		evening max el	-12307 Jun 13 j 11:53	18° \mathfrak{Y} 16'06	24°16'31
evening set	-12308 Jul 15 j 20:13	8° \mathfrak{B} 46'58		retrograde	-12307 Jun 24 j 14:01	24° \mathfrak{Y} 49'54	
inferior conj	-12308 Jul 21 j 01:20	2° \mathfrak{B} 33'05	-1°18'47	evening set	-12307 Jun 30 j 01:26	22° \mathfrak{Y} 27'12	
minimum elong	-12308 Jul 21 j 02:51	2° \mathfrak{B} 27'50	1°17'52	min. Earth dist.	-12307 Jul 04 j 17:48	16° \mathfrak{Y} 57'08	0.67088 AU
min. Earth dist.	-12308 Jul 20 j 23:10	2° \mathfrak{B} 40'35	0.67243 AU	inferior conj	-12307 Jul 05 j 07:13	16° \mathfrak{Y} 11'31	-2°00'12
	-12308 Jul 22 j 22:32	30° \mathfrak{R} \mathfrak{Y}		minimum elong	-12307 Jul 05 j 09:18	16° \mathfrak{Y} 04'28	1°59'22
asc. node	-12308 Jul 25 j 09:44	27° \mathfrak{Y} 09'13		morning rise	-12307 Jul 10 j 17:06	10° \mathfrak{Y} 02'35	
morning rise	-12308 Jul 26 j 09:23	26° \mathfrak{Y} 16'27		asc. node	-12307 Jul 12 j 06:29	9° \mathfrak{Y} 06'42	
direct	-12308 Jul 30 j 18:02	24° \mathfrak{Y} 32'19		direct	-12307 Jul 14 j 14:30	8° \mathfrak{Y} 35'49	
	-12308 Aug 08 j 21:25	0° \mathfrak{B}		morning max el	-12307 Jul 22 j 18:33	13° \mathfrak{Y} 26'10	20°42'29
morning max el	-12308 Aug 08 j 23:10	0° \mathfrak{B} 04'29	21°58'21		-12307 Aug 04 j 10:25	0° \mathfrak{B}	
	-12308 Aug 31 j 01:56	0° \mathfrak{I}		morning set	-12307 Aug 20 j 06:39	24° \mathfrak{B} 01'14	
morning set	-12308 Sep 09 j 23:58	15° \mathfrak{I} 22'56			-12307 Aug 24 j 02:13	0° \mathfrak{I}	
desc. node	-12308 Sep 11 j 09:58	17° \mathfrak{I} 38'56		desc. node	-12307 Aug 29 j 07:08	8° \mathfrak{I} 17'33	
max. Earth dist.	-12308 Sep 16 j 17:10	26° \mathfrak{I} 18'36	1.41689 AU	max. Earth dist.	-12307 Aug 30 j 02:02	9° \mathfrak{I} 33'49	1.43251 AU

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-12307 Sep 05 j 02:42	19° Π 26'35	-0°40'06	superior conj	-12306 Aug 15 j 22:20	28° \mathcal{B} 34'25	0°01'32
minimum elong	-12307 Sep 04 j 23:10	19° Π 11'56	0°38'58	minimum elong	-12306 Aug 15 j 22:36	28° \mathcal{B} 35'26	0°02'07
	-12307 Sep 11 j 08:34	0° \mathfrak{E}		behind sun begin	-12306 Aug 15 j 11:39	27° \mathcal{B} 51'36	
evening rise	-12307 Sep 17 j 11:56	10° \mathfrak{E} 40'26		behind sun end	-12306 Aug 16 j 09:33	29° \mathcal{B} 19'20	
	-12307 Sep 28 j 21:45	0° Ω		desc. node	-12306 Aug 16 j 04:28	28° \mathcal{B} 59'01	
evening max el	-12307 Oct 04 j 14:05	7° Ω 21'54	18°08'16		-12306 Aug 16 j 19:41	0° Π	
asc. node	-12307 Oct 08 j 06:37	10° Ω 10'14		evening rise	-12306 Aug 30 j 08:32	22° Π 11'26	
retrograde	-12307 Oct 11 j 06:14	10° Ω 54'24			-12306 Sep 04 j 00:44	0° \mathfrak{E}	
evening set	-12307 Oct 13 j 20:37	10° Ω 21'21		evening max el	-12306 Sep 18 j 03:50	20° \mathfrak{E} 48'02	18°24'27
inferior conj	-12307 Oct 20 j 11:22	5° Ω 05'29	3°17'11	retrograde	-12306 Sep 24 j 18:54	24° \mathfrak{E} 26'34	
minimum elong	-12307 Oct 20 j 07:31	5° Ω 15'18	3°16'52	asc. node	-12306 Sep 25 j 03:43	24° \mathfrak{E} 25'50	
min. Earth dist.	-12307 Oct 23 j 01:37	2° Ω 26'59	0.62585 AU	evening set	-12306 Sep 27 j 14:01	23° \mathfrak{E} 44'20	
	-12307 Oct 25 j 18:10	30° \mathcal{R} \mathfrak{E}		inferior conj	-12306 Oct 03 j 18:38	18° \mathfrak{E} 11'15	2°30'26
morning rise	-12307 Oct 26 j 17:26	29° \mathfrak{E} 15'04		minimum elong	-12306 Oct 03 j 15:19	18° \mathfrak{E} 20'38	2°30'06
direct	-12307 Nov 02 j 18:45	26° \mathfrak{E} 40'03		min. Earth dist.	-12306 Oct 05 j 20:14	15° \mathfrak{E} 50'53	0.64094 AU
	-12307 Nov 11 j 13:45	0° Ω		morning rise	-12306 Oct 09 j 15:53	12° \mathfrak{E} 07'15	
morning max el	-12307 Nov 16 j 12:37	4° Ω 09'48	27°34'06	direct	-12306 Oct 16 j 11:46	9° \mathfrak{E} 24'02	
desc. node	-12307 Nov 25 j 07:31	14° Ω 14'30		morning max el	-12306 Oct 29 j 21:53	16° \mathfrak{E} 56'10	27°19'15
	-12307 Dec 06 j 00:49	0° \mathfrak{M}			-12306 Nov 09 j 22:57	0° Ω	
morning set	-12307 Dec 19 j 23:41	25° \mathfrak{M} 28'57		desc. node	-12306 Nov 12 j 04:12	3° Ω 04'41	
	-12307 Dec 22 j 04:33	0° \mathfrak{L}			-12306 Nov 28 j 17:44	0° \mathfrak{M}	
max. Earth dist.	-12307 Dec 25 j 16:15	7° \mathfrak{L} 22'07	1.33206 AU	morning set	-12306 Dec 03 j 19:03	9° \mathfrak{M} 35'58	
				max. Earth dist.	-12306 Dec 08 j 18:50	19° \mathfrak{M} 41'27	1.33966 AU
superior conj	-12307 Dec 27 j 09:49	11° \mathfrak{L} 05'49	-1°06'18	superior conj	-12306 Dec 11 j 17:07	25° \mathfrak{M} 50'33	-1°21'23
minimum elong	-12307 Dec 27 j 11:50	11° \mathfrak{L} 16'43	1°06'09	minimum elong	-12306 Dec 11 j 19:03	26° \mathfrak{M} 00'49	1°21'07
evening rise	-12306 Jan 03 j 11:13	26° \mathfrak{L} 16'24			-12306 Dec 13 j 15:59	0° \mathfrak{L}	
asc. node	-12306 Jan 04 j 04:12	27° \mathfrak{L} 45'15		evening rise	-12306 Dec 18 j 22:14	11° \mathfrak{L} 10'28	
	-12306 Jan 05 j 06:17	0° \mathfrak{M}		asc. node	-12306 Dec 22 j 01:36	17° \mathfrak{L} 36'34	
	-12306 Jan 23 j 09:22	0° \mathfrak{J}			-12306 Dec 28 j 18:17	0° \mathfrak{M}	
evening max el	-12306 Jan 28 j 00:44	4° \mathfrak{J} 59'43	24°01'50	evening max el	-12305 Jan 09 j 19:02	15° \mathfrak{M} 52'58	22°27'42
retrograde	-12306 Feb 10 j 15:55	11° \mathfrak{J} 43'32		retrograde	-12305 Jan 22 j 12:04	21° \mathfrak{M} 58'17	
evening set	-12306 Feb 14 j 20:11	11° \mathfrak{J} 04'49		evening set	-12305 Jan 25 j 18:58	21° \mathfrak{M} 34'31	
desc. node	-12306 Feb 21 j 09:22	7° \mathfrak{J} 56'01		min. Earth dist.	-12305 Feb 03 j 05:03	17° \mathfrak{M} 47'14	0.55536 AU
min. Earth dist.	-12306 Feb 21 j 13:57	7° \mathfrak{J} 49'03	0.56332 AU	inferior conj	-12305 Feb 03 j 20:59	17° \mathfrak{M} 24'19	1°06'55
inferior conj	-12306 Feb 23 j 17:43	6° \mathfrak{J} 28'53	-0°35'25	minimum elong	-12305 Feb 03 j 23:47	17° \mathfrak{M} 20'17	1°05'30
minimum elong	-12306 Feb 23 j 16:18	6° \mathfrak{J} 31'04	0°35'39	desc. node	-12305 Feb 08 j 06:09	15° \mathfrak{M} 02'11	
morning rise	-12306 Mar 04 j 15:09	2° \mathfrak{J} 22'05		morning rise	-12305 Feb 13 j 05:37	13° \mathfrak{M} 20'29	
direct	-12306 Mar 06 j 18:55	2° \mathfrak{J} 09'45		direct	-12305 Feb 15 j 14:09	13° \mathfrak{M} 07'34	
morning max el	-12306 Mar 16 j 18:09	6° \mathfrak{J} 52'47	19°47'55	morning max el	-12305 Feb 27 j 05:21	18° \mathfrak{M} 41'05	21°01'32
	-12306 Mar 31 j 20:19	0° \mathfrak{Z}			-12305 Mar 08 j 01:52	0° \mathfrak{J}	
asc. node	-12306 Apr 02 j 02:26	2° \mathfrak{Z} 28'20		morning set	-12305 Mar 18 j 15:59	19° \mathfrak{J} 41'57	
morning set	-12306 Apr 03 j 09:05	5° \mathfrak{Z} 01'19		asc. node	-12305 Mar 19 j 23:33	22° \mathfrak{J} 24'33	
					-12305 Mar 23 j 15:12	0° \mathfrak{Z}	
superior conj	-12306 Apr 11 j 11:25	21° \mathfrak{Z} 19'08	1°16'43	superior conj	-12305 Mar 26 j 06:02	5° \mathfrak{Z} 24'44	0°55'19
minimum elong	-12306 Apr 11 j 08:27	21° \mathfrak{Z} 04'26	1°15'38	minimum elong	-12305 Mar 26 j 03:43	5° \mathfrak{Z} 12'51	0°54'12
	-12306 Apr 15 j 22:33	0° \approx		max. Earth dist.	-12305 Mar 30 j 08:49	13° \mathfrak{Z} 43'26	1.35464 AU
max. Earth dist.	-12306 Apr 16 j 22:58	1° \approx 55'40	1.36986 AU	evening rise	-12305 Apr 03 j 21:02	22° \mathfrak{Z} 26'37	
evening rise	-12306 Apr 21 j 00:33	9° \approx 25'55			-12305 Apr 07 j 23:43	0° \approx	
	-12306 May 03 j 04:44	0° \mathfrak{H}			-12305 Apr 26 j 21:32	0° \mathfrak{H}	
desc. node	-12306 May 20 j 07:55	24° \mathfrak{H} 15'39		desc. node	-12305 May 07 j 05:19	12° \mathfrak{H} 47'25	
	-12306 May 25 j 07:38	0° \mathfrak{Y}		evening max el	-12305 May 09 j 07:41	14° \mathfrak{H} 57'22	26°35'49
evening max el	-12306 May 26 j 21:27	1° \mathfrak{Y} 37'22	25°33'18	retrograde	-12305 May 22 j 06:06	22° \mathfrak{H} 23'31	
retrograde	-12306 Jun 08 j 00:21	8° \mathfrak{Y} 43'13		evening set	-12305 May 28 j 19:35	19° \mathfrak{H} 36'52	
evening set	-12306 Jun 14 j 02:01	6° \mathfrak{Y} 04'31		min. Earth dist.	-12305 Jun 01 j 18:47	15° \mathfrak{H} 24'44	0.65695 AU
min. Earth dist.	-12306 Jun 18 j 09:02	1° \mathfrak{Y} 13'21	0.66583 AU	inferior conj	-12305 Jun 03 j 10:21	13° \mathfrak{H} 23'37	-3°02'55
inferior conj	-12306 Jun 19 j 10:54	29° \mathfrak{H} 49'02	-2°35'27	minimum elong	-12305 Jun 03 j 12:21	13° \mathfrak{H} 17'28	3°02'48
minimum elong	-12306 Jun 19 j 13:10	29° \mathfrak{H} 41'37	2°34'55	morning rise	-12305 Jun 09 j 05:21	7° \mathfrak{H} 38'53	
	-12306 Jun 19 j 07:32	30° \mathcal{R} \mathfrak{H}		direct	-12305 Jun 12 j 09:38	6° \mathfrak{H} 41'33	
morning rise	-12306 Jun 25 j 00:22	23° \mathfrak{H} 50'52		asc. node	-12305 Jun 16 j 00:01	7° \mathfrak{H} 50'35	
direct	-12306 Jun 28 j 12:18	22° \mathfrak{H} 39'49		morning max el	-12305 Jun 19 j 04:22	10° \mathfrak{H} 29'02	18°49'27
asc. node	-12306 Jun 29 j 03:14	22° \mathfrak{H} 41'59			-12305 Jul 02 j 22:47	0° \mathfrak{Y}	
morning max el	-12306 Jul 05 j 20:32	26° \mathfrak{H} 54'31	19°38'30	morning set	-12305 Jul 10 j 09:05	11° \mathfrak{Y} 57'18	
	-12306 Jul 08 j 13:51	0° \mathfrak{Y}			-12305 Jul 21 j 15:57	0° \mathfrak{B}	
	-12306 Jul 28 j 19:36	0° \mathcal{B}					
morning set	-12306 Jul 30 j 11:39	2° \mathcal{B} 36'31		superior conj	-12305 Jul 25 j 23:58	6° \mathcal{B} 52'03	0°46'22
max. Earth dist.	-12306 Aug 12 j 16:09	23° \mathcal{B} 22'28	1.44251 AU				

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-12305 Jul 26 j 05:14	7°  12'53	0°46'12		-12304 Jun 24 j 19:43	0° 	
max. Earth dist.	-12305 Jul 26 j 08:23	7°  25'20	1.44579 AU				
desc. node	-12305 Aug 03 j 01:47	19°  39'19		superior conj	-12304 Jul 04 j 04:46	15°  20'39	1°22'54
	-12305 Aug 09 j 13:44	0°  II		minimum elong	-12304 Jul 04 j 11:08	15°  46'18	1°22'33
evening rise	-12305 Aug 11 j 03:11	2°  II29'40		max. Earth dist.	-12304 Jul 08 j 00:07	21°  26'25	1.44210 AU
	-12305 Aug 29 j 00:27	0°  ☿			-12304 Jul 13 j 09:53	0°  ☿	
evening max el	-12305 Sep 01 j 15:44	4°  ☿18'12	18°58'04	desc. node	-12304 Jul 19 j 23:12	10°  ☿16'03	
retrograde	-12305 Sep 08 j 12:48	8°  ☿11'18		evening rise	-12304 Jul 20 j 19:03	11°  ☿33'23	
evening set	-12305 Sep 11 j 15:00	7°  ☿16'42			-12304 Aug 01 j 18:17	0°  II	
asc. node	-12305 Sep 12 j 00:48	7°  ☿01'29		greatest brilliancy	-12304 Aug 01 j 19:48	0°  II05'41	-0.7m
inferior conj	-12305 Sep 17 j 11:05	1°  ☿29'38	1°39'19	evening max el	-12304 Aug 14 j 23:18	17°  II48'28	19°47'50
minimum elong	-12305 Sep 17 j 08:49	1°  ☿36'38	1°39'14	retrograde	-12304 Aug 22 j 09:04	22°  II04'50	
	-12305 Sep 18 j 16:11	30°  ☿II		evening set	-12304 Aug 25 j 20:43	20°  II54'24	
min. Earth dist.	-12305 Sep 19 j 00:12	29°  II35'33	0.65316 AU	asc. node	-12304 Aug 28 j 21:47	18°  II04'41	
morning rise	-12305 Sep 23 j 02:08	25°  II15'54		inferior conj	-12304 Aug 31 j 10:05	14°  II56'25	0°47'04
direct	-12305 Sep 29 j 11:23	22°  II35'41		minimum elong	-12304 Aug 31 j 09:01	14°  II59'56	0°47'21
	-12305 Oct 12 j 07:35	0°  ☿		min. Earth dist.	-12304 Sep 01 j 11:30	13°  II33'23	0.66240 AU
morning max el	-12305 Oct 12 j 08:17	0°  ☿01'43	26°35'00	morning rise	-12304 Sep 05 j 21:00	8°  II36'58	
desc. node	-12305 Oct 30 j 00:55	22°  ☿32'58		direct	-12304 Sep 11 j 16:52	6°  II08'08	
	-12305 Nov 03 j 20:41	0°  ♊		morning max el	-12304 Sep 23 j 18:12	13°  II15'25	25°28'49
morning set	-12305 Nov 17 j 02:56	23°  ♊03'59			-12304 Oct 07 j 10:10	0°  ☿	
	-12305 Nov 20 j 17:12	0°  ♊		desc. node	-12304 Oct 15 j 21:43	12°  ☿28'21	
max. Earth dist.	-12305 Nov 21 j 11:07	1°  ♊28'31	1.35151 AU		-12304 Oct 26 j 14:04	0°  ♊	
				morning set	-12304 Oct 29 j 18:50	5°  ♊39'57	
superior conj	-12305 Nov 25 j 18:58	10°  ♊14'30	-1°32'11	max. Earth dist.	-12304 Nov 02 j 16:51	12°  ♊52'51	1.36752 AU
minimum elong	-12305 Nov 25 j 20:20	10°  ♊21'33	1°31'50				
evening rise	-12305 Dec 03 j 07:21	25°  ♊53'43		superior conj	-12304 Nov 08 j 12:34	24°  ♊09'15	-1°37'18
	-12305 Dec 05 j 07:34	0°  ♊		minimum elong	-12304 Nov 08 j 12:48	24°  ♊10'27	1°36'51
asc. node	-12305 Dec 08 j 23:00	7°  ♊06'59			-12304 Nov 11 j 10:28	0°  ♊	
evening max el	-12305 Dec 22 j 19:34	27°  ♊05'30	21°00'01	evening rise	-12304 Nov 16 j 12:44	10°  ♊20'42	
	-12305 Dec 26 j 12:24	0°  ♊		asc. node	-12304 Nov 24 j 20:20	26°  ♊08'59	
retrograde	-12304 Jan 03 j 02:33	2°  ♊23'43			-12304 Nov 27 j 05:01	0°  ♊	
evening set	-12304 Jan 05 j 21:19	2°  ♊05'38		evening max el	-12304 Dec 04 j 05:47	8°  ♊50'19	19°47'17
	-12304 Jan 11 j 09:06	30°  ♊☿		retrograde	-12304 Dec 13 j 22:55	13°  ♊24'40	
inferior conj	-12304 Jan 14 j 18:27	28°  ♊06'38	2°43'53	evening set	-12304 Dec 16 j 12:48	13°  ♊06'49	
minimum elong	-12304 Jan 15 j 00:09	27°  ♊58'21	2°42'06	inferior conj	-12304 Dec 24 j 23:17	9°  ♊01'53	3°49'58
min. Earth dist.	-12304 Jan 15 j 19:02	27°  ♊30'59	0.55597 AU	minimum elong	-12304 Dec 25 j 03:44	8°  ♊54'50	3°49'13
morning rise	-12304 Jan 24 j 01:51	23°  ♊50'04		min. Earth dist.	-12304 Dec 27 j 08:13	7°  ♊32'08	0.56485 AU
desc. node	-12304 Jan 26 j 02:53	23°  ♊30'59		morning rise	-12303 Jan 02 j 16:37	4°  ♊23'10	
direct	-12304 Jan 27 j 05:14	23°  ♊28'17		direct	-12303 Jan 07 j 03:03	3°  ♊39'07	
morning max el	-12304 Feb 09 j 05:21	29°  ♊49'48	22°30'50	desc. node	-12303 Jan 11 j 23:35	4°  ♊33'08	
	-12304 Feb 09 j 09:36	0°  ♊		morning max el	-12303 Jan 20 j 21:24	10°  ♊32'58	24°07'37
	-12304 Feb 28 j 20:34	0°  ♊☿			-12303 Feb 04 j 08:59	0°  ♊	
morning set	-12304 Mar 02 j 02:34	4°  ♊37'13		morning set	-12303 Feb 14 j 14:52	19°  ♊40'28	
asc. node	-12304 Mar 05 j 20:41	12°  ♊32'34			-12303 Feb 19 j 10:48	0°  ♊☿	
				asc. node	-12303 Feb 20 j 17:51	2°  ♊47'44	
superior conj	-12304 Mar 09 j 08:19	19°  ♊56'20	0°32'11				
minimum elong	-12304 Mar 09 j 06:58	19°  ♊49'08	0°31'13	superior conj	-12303 Feb 21 j 15:43	4°  ♊45'35	0°08'36
max. Earth dist.	-12304 Mar 12 j 04:47	25°  ♊54'14	1.34282 AU	minimum elong	-12303 Feb 21 j 15:23	4°  ♊43'45	0°07'53
	-12304 Mar 14 j 04:48	0°  ♊☿		behind sun begin	-12303 Feb 21 j 10:54	4°  ♊19'35	
evening rise	-12304 Mar 17 j 07:38	6°  ♊12'34		behind sun end	-12303 Feb 21 j 19:52	5°  ♊07'54	
	-12304 Mar 30 j 15:26	0°  ♊☿		max. Earth dist.	-12303 Feb 23 j 09:58	8°  ♊32'03	1.33454 AU
evening max el	-12304 Apr 20 j 18:34	28°  ♊08'28	27°15'59	evening rise	-12303 Mar 01 j 04:15	20°  ♊30'33	
	-12304 Apr 22 j 18:27	0°  ♊☿			-12303 Mar 06 j 01:23	0°  ♊☿	
desc. node	-12304 Apr 23 j 02:38	0°  ♊17'54			-12303 Mar 24 j 17:30	0°  ♊☿	
retrograde	-12304 May 04 j 06:31	5°  ♊43'03		evening max el	-12303 Apr 03 j 04:11	10°  ♊58'33	27°27'10
evening set	-12304 May 11 j 03:25	2°  ♊59'51		desc. node	-12303 Apr 09 j 23:54	16°  ♊21'58	
	-12304 May 14 j 07:36	30°  ♊☿		retrograde	-12303 Apr 17 j 00:34	18°  ♊32'52	
min. Earth dist.	-12304 May 14 j 21:06	29°  ♊23'29	0.64409 AU	evening set	-12303 Apr 23 j 22:13	16°  ♊06'04	
inferior conj	-12304 May 17 j 03:11	26°  ♊51'35	-3°20'21	min. Earth dist.	-12303 Apr 27 j 14:34	12°  ♊57'34	0.62762 AU
minimum elong	-12304 May 17 j 04:22	26°  ♊48'15	3°20'40	inferior conj	-12303 Apr 30 j 10:30	10°  ♊06'40	-3°24'29
morning rise	-12304 May 23 j 05:55	21°  ♊22'36		minimum elong	-12303 Apr 30 j 10:17	10°  ♊07'12	3°25'04
direct	-12304 May 26 j 04:09	20°  ♊37'00		morning rise	-12303 May 06 j 23:33	4°  ♊55'35	
morning max el	-12304 Jun 01 j 16:19	24°  ♊06'46	18°17'17	direct	-12303 May 09 j 16:53	4°  ♊20'04	
asc. node	-12304 Jun 01 j 20:49	24°  ♊18'09		morning max el	-12303 May 16 j 06:06	7°  ♊42'26	18°03'05
	-12304 Jun 06 j 10:42	0°  ♊☿		asc. node	-12303 May 19 j 17:35	11°  ♊48'11	
morning set	-12304 Jun 20 j 07:26	22°  ♊27'14			-12303 May 30 j 22:06	0°  ♊☿	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning set	-12303 Jun 02 j 05:50	4° K 05'10		minimum elong	-12302 Apr 13 j 02:58	23° Z 06'22	3°11'09
				morning rise	-12302 Apr 20 j 07:15	18° Z 10'33	
superior conj	-12303 Jun 14 j 07:01	24° K 51'57	1°43'47	direct	-12302 Apr 22 j 20:10	17° Z 43'49	
minimum elong	-12303 Jun 14 j 10:17	25° K 05'36	1°43'34	morning max el	-12302 Apr 29 j 19:13	21° Z 10'33	18°07'30
	-12303 Jun 17 j 09:11	0° Y		asc. node	-12302 May 06 j 14:24	0° \approx 07'19	
max. Earth dist.	-12303 Jun 20 j 12:46	5° Y 08'57	1.43194 AU		-12302 May 06 j 12:33	0° \approx	
evening rise	-12303 Jun 29 j 19:33	19° Y 54'04		morning set	-12302 May 15 j 23:59	16° \approx 41'41	
	-12303 Jul 06 j 08:50	0° X			-12302 May 23 j 06:56	0° K	
desc. node	-12303 Jul 06 j 20:41	0° X 45'07					
	-12303 Jul 27 j 20:08	0° II		superior conj	-12302 May 26 j 12:20	5° K 43'56	1°49'00
evening max el	-12303 Jul 29 j 00:28	1° II 15'05	20°51'58	minimum elong	-12302 May 26 j 12:01	5° K 42'31	1°48'42
retrograde	-12303 Aug 06 j 05:37	6° II 03'56		max. Earth dist.	-12302 Jun 02 j 20:07	18° K 17'20	1.41668 AU
evening set	-12303 Aug 10 j 04:50	4° II 34'29		evening rise	-12302 Jun 09 j 03:14	28° K 35'38	
	-12303 Aug 14 j 10:06	30° K 8			-12302 Jun 10 j 00:21	0° Y	
inferior conj	-12303 Aug 15 j 13:23	28° X 28'15	-0°04'09	desc. node	-12302 Jun 23 j 18:11	21° Y 02'16	
minimum elong	-12303 Aug 15 j 13:27	28° X 27'59	0°03'31		-12302 Jun 30 j 00:31	0° X	
transit middle	-12303 Aug 15 j 13:27	28° X 27'59	0°03'31	evening max el	-12302 Jul 11 j 18:36	14° X 37'08	22°07'24
transit begin	-12303 Aug 15 j 10:48	28° X 37'02		retrograde	-12302 Jul 21 j 00:49	20° X 06'14	
transit end	-12303 Aug 15 j 16:07	28° X 18'56		evening set	-12302 Jul 25 j 13:21	18° X 15'45	
asc. node	-12303 Aug 15 j 18:42	28° X 10'10		inferior conj	-12302 Jul 30 j 19:05	12° X 03'49	-0°52'39
min. Earth dist.	-12303 Aug 16 j 03:51	27° X 39'06	0.66866 AU	minimum elong	-12302 Jul 30 j 20:09	12° X 00'10	0°51'47
morning rise	-12303 Aug 20 j 21:55	22° X 07'06		min. Earth dist.	-12302 Jul 30 j 22:58	11° X 50'26	0.67192 AU
direct	-12303 Aug 26 j 03:32	19° X 54'33		asc. node	-12302 Aug 02 j 15:33	8° X 17'15	
morning max el	-12303 Sep 06 j 03:59	26° X 30'37	24°09'26	morning rise	-12302 Aug 05 j 02:52	5° X 44'37	
	-12303 Sep 09 j 09:17	0° II		direct	-12302 Aug 09 j 18:43	3° X 50'19	
	-12303 Oct 01 j 01:08	0° X		morning max el	-12302 Aug 19 j 15:42	9° X 46'48	22°45'34
desc. node	-12303 Oct 02 j 18:35	2° X 42'26			-12302 Sep 04 j 09:50	0° II	
morning set	-12303 Oct 11 j 13:28	17° X 09'34		desc. node	-12302 Sep 19 j 15:32	23° II 09'33	
max. Earth dist.	-12303 Oct 15 j 16:24	24° X 21'44	1.38652 AU	morning set	-12302 Sep 22 j 06:28	27° II 23'42	
	-12303 Oct 18 j 19:13	0° Q			-12302 Sep 23 j 20:35	0° X	
				max. Earth dist.	-12302 Sep 27 j 16:33	6° X 24'55	1.40626 AU
superior conj	-12303 Oct 22 j 18:12	7° Q 23'36	-1°34'58				
minimum elong	-12303 Oct 22 j 16:48	7° Q 16'56	1°34'18	superior conj	-12302 Oct 05 j 07:05	19° X 44'22	-1°23'01
evening rise	-12303 Oct 31 j 12:12	24° Q 25'16		minimum elong	-12302 Oct 05 j 03:52	19° X 29'53	1°22'03
	-12303 Nov 03 j 09:05	0° P			-12302 Oct 10 j 20:54	0° Q	
asc. node	-12303 Nov 11 j 17:39	14° P 33'06		evening rise	-12302 Oct 15 j 02:57	8° Q 00'26	
evening max el	-12303 Nov 17 j 02:07	21° P 08'38	18°53'44		-12302 Oct 27 j 22:26	0° P	
retrograde	-12303 Nov 25 j 11:06	25° P 10'46		asc. node	-12302 Oct 29 j 14:56	2° P 07'26	
evening set	-12303 Nov 27 j 22:53	24° P 50'47		evening max el	-12302 Oct 31 j 06:58	3° P 55'15	18°20'31
inferior conj	-12303 Dec 05 j 20:46	20° P 28'31	4°16'23	retrograde	-12302 Nov 07 j 17:06	7° P 37'36	
minimum elong	-12303 Dec 05 j 21:31	20° P 27'09	4°16'29	evening set	-12302 Nov 10 j 04:17	7° P 14'07	
min. Earth dist.	-12303 Dec 08 j 22:33	18° P 15'48	0.57973 AU	inferior conj	-12302 Nov 17 j 13:32	2° P 30'39	4°09'31
morning rise	-12303 Dec 13 j 18:13	15° P 26'21		minimum elong	-12302 Nov 17 j 11:11	2° P 35'32	4°09'39
direct	-12303 Dec 19 j 11:44	14° P 07'59		min. Earth dist.	-12302 Nov 20 j 17:38	29° Q 52'31	0.59766 AU
desc. node	-12303 Dec 29 j 20:12	18° P 10'48			-12302 Nov 20 j 13:53	30° K 8	
morning max el	-12302 Jan 02 j 12:18	21° P 18'39	25°38'30	morning rise	-12302 Nov 24 j 16:28	27° Q 07'12	
	-12302 Jan 10 j 02:22	0° Q		direct	-12302 Dec 01 j 07:33	25° Q 11'52	
	-12302 Jan 27 j 19:52	0° M			-12302 Dec 12 j 10:53	0° P	
morning set	-12302 Jan 30 j 03:08	4° M 45'32		morning max el	-12302 Dec 15 j 08:02	2° P 32'25	26°48'34
				desc. node	-12302 Dec 16 j 16:47	3° P 53'36	
superior conj	-12302 Feb 06 j 02:13	19° M 45'55	-0°14'29		-12301 Jan 04 j 07:01	0° Q	
minimum elong	-12302 Feb 06 j 02:50	19° M 49'14	0°14'55	morning set	-12301 Jan 14 j 13:32	19° Q 44'39	
behind sun begin	-12302 Feb 06 j 01:13	19° M 40'26			-12301 Jan 19 j 08:51	0° M	
behind sun end	-12302 Feb 06 j 04:27	19° M 58'02					
max. Earth dist.	-12302 Feb 06 j 21:10	21° M 29'02	1.32956 AU	superior conj	-12301 Jan 21 j 14:02	4° M 50'04	-0°36'16
asc. node	-12302 Feb 07 j 15:04	23° M 06'09		minimum elong	-12301 Jan 21 j 15:24	4° M 57'35	0°36'26
	-12302 Feb 10 j 20:15	0° X		max. Earth dist.	-12301 Jan 21 j 10:39	4° M 31'32	1.32781 AU
evening rise	-12302 Feb 13 j 07:45	5° X 10'27		asc. node	-12301 Jan 25 j 12:21	13° M 23'03	
	-12302 Feb 26 j 18:17	0° Z		evening rise	-12301 Jan 28 j 15:42	20° M 02'51	
evening max el	-12302 Mar 16 j 10:02	23° Z 16'42	27°05'41		-12301 Feb 02 j 14:32	0° X	
	-12302 Mar 26 j 06:10	0° \approx			-12301 Feb 21 j 19:20	0° Z	
desc. node	-12302 Mar 27 j 21:04	0° \approx 28'14		evening max el	-12301 Feb 26 j 10:18	4° Z 56'40	26°12'29
retrograde	-12302 Mar 30 j 11:13	0° \approx 45'56		retrograde	-12301 Mar 12 j 13:09	12° Z 16'14	
	-12302 Apr 03 j 13:04	30° K 3		desc. node	-12301 Mar 14 j 18:08	12° Z 03'58	
evening set	-12302 Apr 06 j 00:49	28° Z 47'03		evening set	-12301 Mar 18 j 08:51	10° Z 51'41	
min. Earth dist.	-12302 Apr 09 j 22:56	25° Z 54'13	0.60853 AU	min. Earth dist.	-12301 Mar 22 j 23:36	7° Z 59'50	0.58875 AU
inferior conj	-12302 Apr 13 j 04:57	23° Z 01'58	-3°10'40	inferior conj	-12301 Mar 26 j 06:52	5° Z 28'07	-2°33'01

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-12301 Mar 26 j 03:31	5° ♁ 34'36	2°33'05	morning rise	-12300 Mar 15 j 01:28	13° ♁ 04'10	
morning rise	-12301 Apr 03 j 01:14	0° ♁ 56'44		direct	-12300 Mar 17 j 05:49	12° ♁ 50'18	
direct	-12301 Apr 05 j 09:38	0° ♁ 37'28		morning max el	-12300 Mar 26 j 07:51	17° ♁ 08'33	19°14'08
morning max el	-12301 Apr 13 j 04:49	4° ♁ 22'25	18°31'02		-12300 Apr 04 j 17:18	0° ♁	
asc. node	-12301 Apr 23 j 11:15	19° ♁ 03'41		asc. node	-12300 Apr 09 j 08:12	8° ♁ 28'37	
morning set	-12301 Apr 29 j 09:04	0° \approx 04'54		morning set	-12300 Apr 12 j 05:06	14° ♁ 05'01	
	-12301 Apr 29 j 08:03	0° \approx			-12300 Apr 20 j 06:28	0° \approx	
superior conj	-12301 May 08 j 17:22	17° \approx 48'00	1°42'18	superior conj	-12300 Apr 20 j 16:41	0° \approx 49'28	1°27'34
minimum elong	-12301 May 08 j 14:56	17° \approx 36'45	1°41'39	minimum elong	-12300 Apr 20 j 13:37	0° \approx 34'37	1°26'36
	-12301 May 15 j 12:11	0° ♁		max. Earth dist.	-12300 Apr 26 j 21:38	12° \approx 31'13	1.37986 AU
max. Earth dist.	-12301 May 15 j 21:43	0° ♁ 41'34	1.39845 AU	evening rise	-12300 Apr 30 j 22:11	19° \approx 44'06	
evening rise	-12301 May 20 j 11:01	8° ♁ 28'11			-12300 May 06 j 22:42	0° ♁	
	-12301 Jun 03 j 01:02	0° ♁			-12300 May 27 j 02:13	0° ♁	
desc. node	-12301 Jun 10 j 15:44	11° ♁ 01'49		desc. node	-12300 May 27 j 13:16	0° ♁ 36'01	
evening max el	-12301 Jun 24 j 07:01	27° ♁ 56'21	23°29'20	evening max el	-12300 Jun 05 j 16:47	11° ♁ 16'22	24°50'31
	-12301 Jun 26 j 11:16	0° ♁		retrograde	-12300 Jun 17 j 06:21	18° ♁ 05'53	
retrograde	-12301 Jul 04 j 17:27	4° ♁ 08'25		evening set	-12300 Jun 22 j 23:52	15° ♁ 35'47	
evening set	-12301 Jul 09 j 20:21	1° ♁ 56'49		min. Earth dist.	-12300 Jun 27 j 12:07	10° ♁ 21'48	0.66907 AU
	-12301 Jul 11 j 18:11	30° ♁		inferior conj	-12300 Jun 28 j 06:38	9° ♁ 19'44	-2°16'03
inferior conj	-12301 Jul 15 j 01:26	25° ♁ 41'40	-1°37'03	minimum elong	-12300 Jun 28 j 08:50	9° ♁ 12'20	2°15'20
minimum elong	-12301 Jul 15 j 03:14	25° ♁ 35'29	1°36'08	morning rise	-12300 Jul 03 j 17:47	3° ♁ 14'47	
min. Earth dist.	-12301 Jul 14 j 18:31	26° ♁ 05'30	0.67210 AU	asc. node	-12300 Jul 06 j 09:08	2° ♁ 01'30	
morning rise	-12301 Jul 20 j 10:04	19° ♁ 27'56		direct	-12300 Jul 07 j 10:52	1° ♁ 54'59	
asc. node	-12301 Jul 20 j 12:22	19° ♁ 23'30		morning max el	-12300 Jul 15 j 05:55	6° ♁ 29'46	20°13'35
direct	-12301 Jul 24 j 13:36	17° ♁ 51'35			-12300 Aug 01 j 08:47	0° ♁	
morning max el	-12301 Aug 02 j 07:48	23° ♁ 05'56	21°24'58	morning set	-12300 Aug 11 j 02:11	14° ♁ 58'04	
	-12301 Aug 08 j 04:04	0° ♁			-12300 Aug 20 j 15:33	0° ♁	
	-12301 Aug 28 j 19:05	0° ♁		max. Earth dist.	-12300 Aug 22 j 08:15	2° ♁ 42'37	1.43745 AU
morning set	-12301 Sep 01 j 22:52	6° ♁ 28'46		desc. node	-12300 Aug 23 j 09:51	4° ♁ 25'19	
desc. node	-12301 Sep 06 j 12:38	13° ♁ 45'19					
max. Earth dist.	-12301 Sep 09 j 21:31	19° ♁ 13'46	1.42402 AU	superior conj	-12300 Aug 27 j 08:39	10° ♁ 49'22	-0°23'30
	-12301 Sep 16 j 08:09	0° ♁		minimum elong	-12300 Aug 27 j 06:19	10° ♁ 39'49	0°22'31
					-12300 Sep 07 j 19:40	0° ♁	
superior conj	-12301 Sep 16 j 21:30	0° ♁ 57'00	-0°59'23	evening rise	-12300 Sep 09 j 14:25	3° ♁ 03'14	
minimum elong	-12301 Sep 16 j 17:23	0° ♁ 39'24	0°58'12		-12300 Sep 26 j 21:41	0° ♁	
evening rise	-12301 Sep 28 j 05:22	20° ♁ 57'29		evening max el	-12300 Sep 27 j 07:15	0° ♁ 24'52	18°13'01
	-12301 Oct 03 j 06:22	0° ♁		asc. node	-12300 Oct 02 j 09:24	3° ♁ 46'36	
evening max el	-12301 Oct 14 j 17:42	17° ♁ 03'28	18°07'16	retrograde	-12300 Oct 03 j 22:02	3° ♁ 58'40	
asc. node	-12301 Oct 16 j 12:12	18° ♁ 37'40		evening set	-12300 Oct 06 j 14:09	3° ♁ 22'07	
retrograde	-12301 Oct 21 j 14:06	20° ♁ 36'48			-12300 Oct 11 j 01:44	30° ♁	
evening set	-12301 Oct 24 j 02:38	20° ♁ 08'00		inferior conj	-12300 Oct 13 j 00:26	27° ♁ 58'53	2°58'08
inferior conj	-12301 Oct 30 j 23:53	15° ♁ 03'40	3°40'23	minimum elong	-12300 Oct 12 j 20:44	28° ♁ 08'48	2°57'48
minimum elong	-12301 Oct 30 j 20:10	15° ♁ 12'32	3°40'12	min. Earth dist.	-12300 Oct 15 j 09:32	25° ♁ 26'34	0.63264 AU
min. Earth dist.	-12301 Nov 02 j 20:45	12° ♁ 20'01	0.61596 AU	morning rise	-12300 Oct 19 j 02:25	22° ♁ 02'22	
morning rise	-12301 Nov 06 j 12:25	9° ♁ 22'07		direct	-12300 Oct 26 j 02:26	19° ♁ 21'55	
direct	-12301 Nov 13 j 13:07	6° ♁ 57'34		morning max el	-12300 Nov 08 j 17:20	26° ♁ 53'35	27°31'36
morning max el	-12301 Nov 27 j 10:14	14° ♁ 25'20	27°27'22		-12300 Nov 11 j 17:16	0° ♁	
desc. node	-12301 Dec 03 j 13:23	21° ♁ 08'58		desc. node	-12300 Nov 19 j 10:00	9° ♁ 29'52	
	-12301 Dec 10 j 04:11	0° ♁			-12300 Dec 02 j 16:52	0° ♁	
	-12301 Dec 27 j 14:30	0° ♁		morning set	-12300 Dec 12 j 20:20	18° ♁ 53'55	
morning set	-12301 Dec 29 j 20:04	4° ♁ 30'29		max. Earth dist.	-12300 Dec 18 j 05:30	0° ♁ 00'02	1.33481 AU
max. Earth dist.	-12300 Jan 04 j 22:38	17° ♁ 26'05	1.32947 AU		-12300 Dec 18 j 05:30	0° ♁	
superior conj	-12300 Jan 06 j 01:31	19° ♁ 52'00	-0°56'05	superior conj	-12300 Dec 20 j 10:54	4° ♁ 44'46	-1°13'09
minimum elong	-12300 Jan 06 j 03:24	20° ♁ 02'13	0°56'01	minimum elong	-12300 Dec 20 j 12:56	4° ♁ 55'42	1°12'57
	-12300 Jan 10 j 17:34	0° ♁		evening rise	-12300 Dec 27 j 13:28	19° ♁ 57'53	
asc. node	-12300 Jan 12 j 09:42	3° ♁ 34'01		asc. node	-12300 Dec 29 j 07:06	23° ♁ 33'54	
evening rise	-12300 Jan 13 j 02:11	5° ♁ 00'55			-12299 Jan 01 j 12:32	0° ♁	
	-12300 Jan 26 j 13:34	0° ♁		evening max el	-12299 Jan 19 j 22:54	26° ♁ 56'49	23°21'43
evening max el	-12300 Feb 08 j 05:32	16° ♁ 04'26	24°54'00		-12299 Jan 23 j 16:07	0° ♁	
retrograde	-12300 Feb 22 j 04:13	23° ♁ 05'11		retrograde	-12299 Feb 02 j 06:25	3° ♁ 25'16	
evening set	-12300 Feb 26 j 22:55	22° ♁ 12'44		evening set	-12299 Feb 06 j 00:26	2° ♁ 54'32	
desc. node	-12300 Feb 29 j 15:06	21° ♁ 01'26			-12299 Feb 12 j 13:03	30° ♁	
min. Earth dist.	-12300 Mar 03 j 19:12	19° ♁ 08'38	0.57117 AU	min. Earth dist.	-12299 Feb 13 j 11:37	29° ♁ 27'05	0.55897 AU
inferior conj	-12300 Mar 06 j 13:30	17° ♁ 18'16	-1°26'32	inferior conj	-12299 Feb 15 j 01:12	28° ♁ 31'07	0°06'50
minimum elong	-12300 Mar 06 j 10:34	17° ♁ 23'11	1°26'25	minimum elong	-12299 Feb 15 j 01:27	28° ♁ 30'44	0°06'08

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

transit middle	-12299 Feb 15 j 01:27	28° \mathbb{M} 30'44	0°06'08	inferior conj	-12298 Jan 26 j 00:22	9° \mathbb{M} 17'28	1°50'28
transit begin	-12299 Feb 14 j 21:44	28° \mathbb{M} 36'17		minimum elong	-12298 Jan 26 j 04:49	9° \mathbb{M} 11'07	1°48'41
transit end	-12299 Feb 15 j 05:10	28° \mathbb{M} 25'11		min. Earth dist.	-12298 Jan 26 j 01:55	9° \mathbb{M} 15'15	0.55461 AU
desc. node	-12299 Feb 15 j 11:56	28° \mathbb{M} 15'08		desc. node	-12298 Feb 02 j 08:42	5° \mathbb{M} 42'49	
morning rise	-12299 Feb 24 j 04:29	24° \mathbb{M} 26'54		morning rise	-12298 Feb 04 j 10:16	5° \mathbb{M} 10'12	
direct	-12299 Feb 26 j 08:58	24° \mathbb{M} 14'58		direct	-12298 Feb 07 j 01:16	4° \mathbb{M} 54'40	
morning max el	-12299 Mar 09 j 01:21	29° \mathbb{M} 19'25	20°16'57	morning max el	-12298 Feb 19 j 07:30	10° \mathbb{M} 49'22	21°37'58
	-12299 Mar 09 j 17:58	0° \mathbb{A}			-12298 Mar 04 j 22:05	0° \mathbb{A}	
morning set	-12299 Mar 27 j 08:51	28° \mathbb{A} 33'26		morning set	-12298 Mar 11 j 17:35	13° \mathbb{A} 21'18	
asc. node	-12299 Mar 27 j 05:14	28° \mathbb{A} 15'10		asc. node	-12298 Mar 14 j 02:19	18° \mathbb{A} 16'48	
	-12299 Mar 28 j 01:53	0° \mathbb{B}					
superior conj	-12299 Apr 04 j 05:25	14° \mathbb{B} 34'59	1°07'56	superior conj	-12298 Mar 19 j 03:38	28° \mathbb{A} 52'32	0°45'37
minimum elong	-12299 Apr 04 j 02:40	14° \mathbb{B} 21'08	1°06'49	minimum elong	-12298 Mar 19 j 01:42	28° \mathbb{A} 42'29	0°44'33
max. Earth dist.	-12299 Apr 09 j 02:43	24° \mathbb{B} 13'35	1.36303 AU		-12298 Mar 19 j 16:38	0° \mathbb{B}	
	-12299 Apr 12 j 03:47	0° \mathbb{A}		max. Earth dist.	-12298 Mar 22 j 17:13	6° \mathbb{B} 11'33	1.34921 AU
evening rise	-12299 Apr 13 j 08:14	2° \mathbb{A} 11'42		evening rise	-12298 Mar 27 j 11:18	15° \mathbb{B} 33'18	
	-12299 Apr 29 j 23:32	0° \mathbb{H}			-12298 Apr 04 j 09:38	0° \mathbb{A}	
desc. node	-12299 May 14 j 10:44	19° \mathbb{H} 34'43			-12298 Apr 24 j 11:33	0° \mathbb{H}	
evening max el	-12299 May 19 j 02:46	24° \mathbb{H} 38'36	26°02'17	desc. node	-12298 May 01 j 08:07	7° \mathbb{H} 42'56	
	-12299 May 25 j 16:57	0° \mathbb{Y}		evening max el	-12298 May 01 j 13:31	7° \mathbb{H} 56'16	26°56'05
retrograde	-12299 May 31 j 14:45	1° \mathbb{Y} 54'12		retrograde	-12298 May 14 j 18:01	15° \mathbb{H} 26'23	
	-12299 Jun 05 j 21:36	30° \mathbb{R} \mathbb{H}		evening set	-12298 May 21 j 11:28	12° \mathbb{H} 39'44	
evening set	-12299 Jun 06 j 21:45	29° \mathbb{H} 11'16		min. Earth dist.	-12298 May 25 j 08:02	8° \mathbb{H} 43'35	0.65201 AU
min. Earth dist.	-12299 Jun 11 j 01:21	24° \mathbb{H} 36'37	0.66249 AU	inferior conj	-12298 May 27 j 05:42	6° \mathbb{H} 28'33	-3°11'42
inferior conj	-12299 Jun 12 j 08:47	22° \mathbb{H} 56'33	-2°48'13	minimum elong	-12298 May 27 j 07:25	6° \mathbb{H} 23'25	3°11'48
minimum elong	-12299 Jun 12 j 11:00	22° \mathbb{H} 49'28	2°47'51	morning rise	-12298 Jun 02 j 03:42	0° \mathbb{H} 50'16	
morning rise	-12299 Jun 18 j 00:19	17° \mathbb{H} 03'32			-12298 Jun 04 j 14:54	30° \mathbb{R} \mathbb{A}	
direct	-12299 Jun 21 j 08:51	15° \mathbb{H} 58'23		direct	-12298 Jun 05 j 05:21	29° \mathbb{A} 57'59	
asc. node	-12299 Jun 23 j 05:54	16° \mathbb{H} 17'48			-12298 Jun 05 j 19:51	0° \mathbb{H}	
morning max el	-12299 Jun 28 j 10:26	20° \mathbb{H} 00'24	19°15'39	asc. node	-12298 Jun 10 j 02:40	2° \mathbb{H} 01'42	
	-12299 Jul 06 j 04:34	0° \mathbb{Y}		morning max el	-12298 Jun 11 j 20:13	3° \mathbb{H} 36'18	18°33'39
morning set	-12299 Jul 21 j 12:23	23° \mathbb{Y} 47'39			-12298 Jun 29 j 15:12	0° \mathbb{Y}	
	-12299 Jul 25 j 10:40	0° \mathbb{B}		morning set	-12298 Jul 01 j 20:03	3° \mathbb{Y} 36'38	
max. Earth dist.	-12299 Aug 04 j 23:41	16° \mathbb{B} 39'31	1.44478 AU				
superior conj	-12299 Aug 06 j 18:38	19° \mathbb{B} 29'52	0°20'48	superior conj	-12298 Jul 16 j 18:36	27° \mathbb{Y} 42'52	1°03'32
minimum elong	-12299 Aug 06 j 21:10	19° \mathbb{B} 39'56	0°21'03	minimum elong	-12298 Jul 17 j 01:00	28° \mathbb{Y} 08'19	1°03'11
desc. node	-12299 Aug 10 j 07:11	25° \mathbb{B} 06'31			-12298 Jul 18 j 05:09	0° \mathbb{B}	
	-12299 Aug 13 j 08:26	0° \mathbb{H}		max. Earth dist.	-12298 Jul 18 j 16:34	0° \mathbb{B} 45'18	1.44510 AU
evening rise	-12299 Aug 22 j 00:29	14° \mathbb{H} 04'09		desc. node	-12298 Jul 28 j 04:34	15° \mathbb{B} 45'33	
	-12299 Aug 31 j 19:23	0° \mathbb{E}		evening rise	-12298 Aug 02 j 07:15	23° \mathbb{B} 49'11	
evening max el	-12299 Sep 10 j 20:37	13° \mathbb{E} 53'20	18°36'43		-12298 Aug 06 j 05:21	0° \mathbb{H}	
retrograde	-12299 Sep 17 j 13:12	17° \mathbb{E} 36'35		evening max el	-12298 Aug 25 j 06:55	27° \mathbb{H} 23'29	19°17'22
asc. node	-12299 Sep 19 j 06:30	17° \mathbb{E} 20'02			-12298 Aug 28 j 07:44	0° \mathbb{E}	
evening set	-12299 Sep 20 j 11:10	16° \mathbb{E} 49'21		retrograde	-12298 Sep 01 j 08:26	1° \mathbb{E} 25'19	
inferior conj	-12299 Sep 26 j 11:56	11° \mathbb{E} 10'00	2°09'03	evening set	-12298 Sep 04 j 14:28	0° \mathbb{E} 24'12	
minimum elong	-12299 Sep 26 j 09:01	11° \mathbb{E} 18'33	2°08'49		-12298 Sep 05 j 04:45	30° \mathbb{R} \mathbb{H}	
min. Earth dist.	-12299 Sep 28 j 08:07	9° \mathbb{E} 00'14	0.64658 AU	asc. node	-12298 Sep 06 j 03:31	29° \mathbb{H} 13'48	
morning rise	-12299 Oct 02 j 06:18	5° \mathbb{E} 01'41		inferior conj	-12298 Sep 10 j 07:26	24° \mathbb{H} 31'54	1°17'10
direct	-12299 Oct 08 j 22:17	2° \mathbb{E} 18'32		minimum elong	-12298 Sep 10 j 05:40	24° \mathbb{H} 37'30	1°17'13
morning max el	-12299 Oct 22 j 03:08	9° \mathbb{E} 48'28	27°03'34	min. Earth dist.	-12298 Sep 11 j 15:21	22° \mathbb{H} 50'56	0.65743 AU
desc. node	-12299 Nov 06 j 06:41	28° \mathbb{E} 37'31		morning rise	-12298 Sep 15 j 20:30	18° \mathbb{H} 15'22	
	-12299 Nov 07 j 05:13	0° \mathbb{Q}		direct	-12298 Sep 22 j 00:11	15° \mathbb{H} 39'32	
	-12299 Nov 25 j 00:46	0° \mathbb{M}		morning max el	-12298 Oct 04 j 13:33	22° \mathbb{H} 58'45	26°09'12
morning set	-12299 Nov 26 j 11:17	2° \mathbb{M} 45'19			-12298 Oct 10 j 20:43	0° \mathbb{E}	
max. Earth dist.	-12299 Dec 01 j 03:58	12° \mathbb{M} 05'25	1.34424 AU	desc. node	-12298 Oct 24 j 03:26	18° \mathbb{E} 18'25	
					-12298 Oct 31 j 11:57	0° \mathbb{Q}	
superior conj	-12299 Dec 04 j 16:11	19° \mathbb{M} 21'32	-1°26'34	morning set	-12298 Nov 09 j 13:01	15° \mathbb{Q} 53'07	
minimum elong	-12299 Dec 04 j 17:57	19° \mathbb{M} 30'46	1°26'16	max. Earth dist.	-12298 Nov 13 j 15:58	23° \mathbb{Q} 42'35	1.35785 AU
	-12299 Dec 09 j 17:00	0° \mathbb{E}			-12298 Nov 16 j 20:27	0° \mathbb{M}	
evening rise	-12299 Dec 11 j 23:53	4° \mathbb{E} 48'01		superior conj	-12298 Nov 18 j 14:56	3° \mathbb{M} 34'26	-1°35'09
asc. node	-12299 Dec 16 j 04:29	13° \mathbb{E} 17'01		minimum elong	-12298 Nov 18 j 15:54	3° \mathbb{M} 39'20	1°34'46
	-12299 Dec 26 j 00:57	0° \mathbb{M}		evening rise	-12298 Nov 26 j 07:42	19° \mathbb{M} 25'40	
evening max el	-12298 Jan 01 j 19:21	7° \mathbb{M} 56'03	21°48'55		-12298 Dec 01 j 15:55	0° \mathbb{E}	
retrograde	-12298 Jan 13 j 22:31	13° \mathbb{M} 41'03		asc. node	-12298 Dec 03 j 01:51	2° \mathbb{E} 36'47	
evening set	-12298 Jan 16 j 23:23	13° \mathbb{M} 20'29		evening max el	-12298 Dec 14 j 23:42	19° \mathbb{E} 21'38	20°26'52
				retrograde	-12298 Dec 25 j 14:27	24° \mathbb{E} 20'39	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening set	-12298 Dec 28 j 06:36	24° Ω 03'02		evening set	-12297 Dec 09 j 05:36	5° Ω 21'49	
inferior conj	-12297 Jan 05 j 23:33	20° Ω 02'54	3°16'40	inferior conj	-12297 Dec 17 j 10:49	1° Ω 10'30	4°05'53
minimum elong	-12297 Jan 06 j 05:14	19° Ω 54'24	3°15'13	minimum elong	-12297 Dec 17 j 13:47	1° Ω 05'31	4°05'36
min. Earth dist.	-12297 Jan 07 j 15:14	19° Ω 03'44	0.55883 AU		-12297 Dec 19 j 04:52	30° \mathbb{R} \mathbb{M}	
morning rise	-12297 Jan 15 j 02:19	15° Ω 37'51		min. Earth dist.	-12297 Dec 20 j 04:53	29° \mathbb{M} 20'32	0.57052 AU
direct	-12297 Jan 18 j 17:47	15° Ω 08'37		morning rise	-12297 Dec 25 j 19:50	26° \mathbb{M} 21'11	
desc. node	-12297 Jan 20 j 05:24	15° Ω 13'37		direct	-12297 Dec 30 j 19:54	25° \mathbb{M} 23'44	
morning max el	-12297 Feb 01 j 03:36	21° Ω 45'28	23°11'48	desc. node	-12296 Jan 07 j 02:02	27° \mathbb{M} 24'04	
	-12297 Feb 08 j 05:10	0° \mathbb{M}			-12296 Jan 10 j 23:19	0° Ω	
morning set	-12297 Feb 24 j 05:10	28° \mathbb{M} 21'31		morning max el	-12296 Jan 13 j 18:31	2° Ω 26'57	24°47'51
	-12297 Feb 24 j 23:56	0° \mathbb{X}			-12296 Feb 01 j 23:55	0° \mathbb{M}	
asc. node	-12297 Feb 28 j 23:28	8° \mathbb{X} 28'43		morning set	-12296 Feb 08 j 17:40	13° \mathbb{M} 26'21	
superior conj	-12297 Mar 03 j 08:25	13° \mathbb{X} 33'08	0°22'10	superior conj	-12296 Feb 15 j 17:24	28° \mathbb{M} 28'09	-0°01'18
minimum elong	-12297 Mar 03 j 07:29	13° \mathbb{X} 28'12	0°21'18	minimum elong	-12296 Feb 15 j 17:28	28° \mathbb{M} 28'34	0°01'54
max. Earth dist.	-12297 Mar 05 j 17:30	18° \mathbb{X} 35'02	1.33890 AU	behind sun begin	-12296 Feb 15 j 12:25	28° \mathbb{M} 01'11	
evening rise	-12297 Mar 11 j 02:38	29° \mathbb{X} 34'31		behind sun end	-12296 Feb 15 j 22:31	28° \mathbb{M} 55'55	
	-12297 Mar 11 j 07:47	0° \mathbb{Z}		asc. node	-12296 Feb 15 j 20:39	28° \mathbb{M} 45'48	
	-12297 Mar 28 j 12:00	0° \approx			-12296 Feb 16 j 10:23	0° \mathbb{X}	
evening max el	-12297 Apr 13 j 23:56	20° \approx 59'12	27°24'23	max. Earth dist.	-12296 Feb 17 j 01:28	1° \mathbb{X} 21'20	1.33201 AU
desc. node	-12297 Apr 18 j 05:25	24° \approx 40'07		evening rise	-12296 Feb 23 j 02:30	14° \mathbb{X} 02'53	
retrograde	-12297 Apr 27 j 15:47	28° \approx 34'34			-12296 Mar 02 j 10:48	0° \mathbb{Z}	
evening set	-12297 May 04 j 14:09	25° \approx 56'23			-12296 Mar 22 j 21:18	0° \approx	
min. Earth dist.	-12297 May 08 j 06:29	22° \approx 33'26	0.63757 AU	evening max el	-12296 Mar 26 j 08:04	3° \approx 36'15	27°21'58
inferior conj	-12297 May 10 j 18:49	19° \approx 51'26	-3°23'57	desc. node	-12296 Apr 04 j 02:38	9° \approx 58'11	
minimum elong	-12297 May 10 j 19:29	19° \approx 49'40	3°24'26	retrograde	-12296 Apr 09 j 07:10	11° \approx 09'47	
morning rise	-12297 May 17 j 01:40	14° \approx 30'09		evening set	-12296 Apr 16 j 02:30	8° \approx 53'26	
direct	-12297 May 19 j 21:44	13° \approx 49'03		min. Earth dist.	-12296 Apr 19 j 20:05	5° \approx 53'19	0.61973 AU
morning max el	-12297 May 26 j 09:18	17° \approx 14'02	18°09'01	inferior conj	-12296 Apr 22 j 21:06	2° \approx 59'01	-3°21'10
asc. node	-12297 May 27 j 23:26	18° \approx 57'36		minimum elong	-12296 Apr 22 j 20:10	3° \approx 01'17	3°21'45
	-12297 Jun 04 j 14:15	0° \mathbb{H}			-12296 Apr 26 j 05:20	30° \mathbb{R} \mathbb{Z}	
morning set	-12297 Jun 13 j 04:58	14° \mathbb{H} 35'48		morning rise	-12296 Apr 29 j 15:28	27° \mathbb{Z} 56'20	
	-12297 Jun 22 j 07:28	0° \mathbb{Y}		direct	-12296 May 02 j 06:46	27° \mathbb{Z} 24'53	
superior conj	-12297 Jun 26 j 06:58	6° \mathbb{Y} 33'27	1°33'50		-12296 May 08 j 02:27	0° \approx	
minimum elong	-12297 Jun 26 j 12:19	6° \mathbb{Y} 55'18	1°33'33	morning max el	-12296 May 08 j 23:12	0° \approx 47'47	18°02'37
max. Earth dist.	-12297 Jul 01 j 07:20	14° \mathbb{Y} 40'20	1.43849 AU	asc. node	-12296 May 13 j 20:14	6° \approx 50'10	
	-12297 Jul 11 j 00:17	0° \mathbb{B}		morning set	-12296 May 25 j 12:23	26° \approx 39'56	
evening rise	-12297 Jul 12 j 14:14	2° \mathbb{B} 27'39			-12296 May 27 j 09:00	0° \mathbb{H}	
desc. node	-12297 Jul 15 j 02:01	6° \mathbb{B} 19'10		superior conj	-12296 Jun 05 j 20:51	16° \mathbb{H} 39'31	1°47'43
	-12297 Jul 30 j 20:53	0° \mathbb{I}		minimum elong	-12296 Jun 05 j 22:28	16° \mathbb{H} 46'26	1°47'31
evening max el	-12297 Aug 08 j 11:47	10° \mathbb{I} 51'26	20°13'32	max. Earth dist.	-12296 Jun 12 j 17:24	28° \mathbb{H} 08'08	1.42592 AU
retrograde	-12297 Aug 16 j 05:09	15° \mathbb{I} 21'03			-12296 Jun 13 j 20:46	0° \mathbb{Y}	
evening set	-12297 Aug 19 j 21:26	14° \mathbb{I} 02'51		evening rise	-12296 Jun 20 j 14:56	10° \mathbb{Y} 48'53	
asc. node	-12297 Aug 24 j 00:29	9° \mathbb{I} 45'57		desc. node	-12296 Jun 30 j 23:31	26° \mathbb{Y} 43'50	
inferior conj	-12297 Aug 25 j 08:29	8° \mathbb{I} 00'45	0°25'05		-12296 Jul 03 j 04:08	0° \mathbb{B}	
minimum elong	-12297 Aug 25 j 07:55	8° \mathbb{I} 02'40	0°25'32	evening max el	-12296 Jul 21 j 09:53	24° \mathbb{B} 16'02	21°22'58
min. Earth dist.	-12297 Aug 26 j 05:08	6° \mathbb{I} 51'57	0.66532 AU	retrograde	-12296 Jul 30 j 01:23	29° \mathbb{B} 21'44	
morning rise	-12297 Aug 30 j 18:09	1° \mathbb{I} 39'56		evening set	-12296 Aug 03 j 05:57	27° \mathbb{B} 43'44	
	-12297 Sep 02 j 05:55	30° \mathbb{R} \mathbb{B}		inferior conj	-12296 Aug 08 j 13:03	21° \mathbb{B} 34'45	-0°25'10
direct	-12297 Sep 05 j 07:50	29° \mathbb{B} 17'47		minimum elong	-12296 Aug 08 j 13:34	21° \mathbb{B} 32'58	0°24'23
	-12297 Sep 08 j 15:20	0° \mathbb{I}		min. Earth dist.	-12296 Aug 08 j 23:04	21° \mathbb{B} 00'22	0.67035 AU
morning max el	-12297 Sep 16 j 23:27	6° \mathbb{I} 13'51	24°56'15	asc. node	-12296 Aug 09 j 21:22	19° \mathbb{B} 44'36	
	-12297 Oct 05 j 11:58	0° \mathbb{E}		morning rise	-12296 Aug 13 j 21:03	15° \mathbb{B} 13'42	
desc. node	-12297 Oct 11 j 00:14	8° \mathbb{E} 22'09		direct	-12296 Aug 18 j 20:40	13° \mathbb{B} 08'40	
morning set	-12297 Oct 22 j 20:32	28° \mathbb{E} 02'25		morning max el	-12296 Aug 29 j 09:42	19° \mathbb{B} 29'18	23°33'47
	-12297 Oct 23 j 23:02	0° Ω			-12296 Sep 07 j 06:15	0° \mathbb{I}	
max. Earth dist.	-12297 Oct 26 j 18:25	5° Ω 05'03	1.37524 AU	desc. node	-12296 Sep 26 j 21:09	28° \mathbb{I} 42'20	
					-12296 Sep 27 j 16:37	0° \mathbb{E}	
superior conj	-12297 Nov 02 j 03:55	17° Ω 12'52	-1°37'22	morning set	-12296 Oct 03 j 04:37	9° \mathbb{E} 00'29	
minimum elong	-12297 Nov 02 j 03:31	17° Ω 10'54	1°36'50	max. Earth dist.	-12296 Oct 07 j 16:52	16° \mathbb{E} 43'08	1.39491 AU
	-12297 Nov 08 j 14:13	0° \mathbb{M}		superior conj	-12296 Oct 15 j 03:04	0° Ω 05'56	-1°31'13
evening rise	-12297 Nov 10 j 10:51	3° \mathbb{M} 43'36		minimum elong	-12296 Oct 15 j 00:52	29° \mathbb{E} 55'44	1°30'26
asc. node	-12297 Nov 19 j 23:11	21° \mathbb{M} 24'03			-12296 Oct 15 j 01:47	0° Ω	
	-12297 Nov 26 j 06:27	0° Ω		evening rise	-12296 Oct 24 j 06:59	17° Ω 36'06	
evening max el	-12297 Nov 27 j 14:15	1° Ω 20'42	19°22'07		-12296 Oct 30 j 21:33	0° \mathbb{M}	
retrograde	-12297 Dec 06 j 17:02	5° Ω 40'13					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

asc. node	-12296 Nov 05 j 20:30	9° \mathbb{M} 28'26		evening max el	-12295 Oct 23 j 22:16	26° Ω 48'15	18°12'32
evening max el	-12296 Nov 09 j 14:33	13° \mathbb{M} 51'54	18°37'14		-12295 Oct 28 j 15:22	0° \mathbb{M}	
retrograde	-12296 Nov 17 j 12:35	17° \mathbb{M} 43'48		retrograde	-12295 Oct 31 j 01:16	0° \mathbb{M} 25'10	
evening set	-12296 Nov 19 j 23:57	17° \mathbb{M} 22'33		evening set	-12295 Nov 02 j 12:56	29° Ω 59'31	
inferior conj	-12296 Nov 27 j 16:27	12° \mathbb{M} 51'51	4°16'52		-12295 Nov 02 j 12:22	30° \mathbb{R} Ω	
minimum elong	-12296 Nov 27 j 15:42	12° \mathbb{M} 53'18	4°17'04	inferior conj	-12295 Nov 09 j 16:57	25° Ω 06'56	3°59'14
min. Earth dist.	-12296 Nov 30 j 20:58	10° \mathbb{M} 25'37	0.58716 AU	minimum elong	-12295 Nov 09 j 13:49	25° Ω 13'52	3°59'15
morning rise	-12296 Dec 05 j 05:36	7° \mathbb{M} 40'15		min. Earth dist.	-12295 Nov 12 j 18:50	22° Ω 24'18	0.60558 AU
direct	-12296 Dec 11 j 09:57	6° \mathbb{M} 05'23		morning rise	-12295 Nov 16 j 13:17	19° Ω 35'49	
desc. node	-12296 Dec 23 j 22:38	11° \mathbb{M} 58'20		direct	-12295 Nov 23 j 10:05	17° Ω 26'37	
morning max el	-12296 Dec 25 j 10:50	13° \mathbb{M} 21'17	26°11'29	morning max el	-12295 Dec 07 j 09:01	24° Ω 49'44	27°09'19
	-12295 Jan 07 j 15:47	0° Ω		desc. node	-12295 Dec 10 j 19:14	28° Ω 23'32	
morning set	-12295 Jan 23 j 05:21	28° Ω 29'13			-12295 Dec 12 j 04:53	0° \mathbb{M}	
	-12295 Jan 23 j 22:38	0° \mathbb{M}			-12295 Dec 31 j 19:20	0° Ω	
				morning set	-12294 Jan 07 j 14:24	13° Ω 23'22	
superior conj	-12295 Jan 30 j 04:40	13° \mathbb{M} 30'41	-0°23'54	max. Earth dist.	-12294 Jan 14 j 03:19	27° Ω 22'16	1.32808 AU
minimum elong	-12295 Jan 30 j 05:38	13° \mathbb{M} 35'56	0°24'13				
max. Earth dist.	-12295 Jan 30 j 13:56	14° \mathbb{M} 21'13	1.32843 AU	superior conj	-12294 Jan 14 j 16:34	28° Ω 34'33	-0°44'57
asc. node	-12295 Feb 01 j 17:54	19° \mathbb{M} 03'52		minimum elong	-12294 Jan 14 j 18:11	28° Ω 43'26	0°45'01
evening rise	-12295 Feb 06 j 08:10	28° \mathbb{M} 48'55			-12294 Jan 15 j 08:12	0° \mathbb{M}	
	-12295 Feb 06 j 21:57	0° \mathbb{X}		asc. node	-12294 Jan 19 j 15:14	9° \mathbb{M} 18'50	
	-12295 Feb 23 j 19:43	0° \mathbb{Z}		evening rise	-12294 Jan 21 j 17:27	13° \mathbb{M} 44'48	
evening max el	-12295 Mar 08 j 11:49	15° \mathbb{Z} 38'46	26°46'44		-12294 Jan 30 j 00:49	0° \mathbb{X}	
desc. node	-12295 Mar 21 j 23:46	23° \mathbb{Z} 03'36		evening max el	-12294 Feb 18 j 10:03	27° \mathbb{X} 04'56	25°41'43
retrograde	-12295 Mar 22 j 14:32	23° \mathbb{Z} 04'35			-12294 Feb 21 j 19:30	0° \mathbb{Z}	
evening set	-12295 Mar 28 j 21:23	21° \mathbb{Z} 20'18		retrograde	-12294 Mar 04 j 11:50	4° \mathbb{Z} 17'02	
min. Earth dist.	-12295 Apr 02 j 01:14	18° \mathbb{Z} 29'17	0.60004 AU	desc. node	-12294 Mar 08 j 20:46	3° \mathbb{Z} 30'59	
inferior conj	-12295 Apr 05 j 09:00	15° \mathbb{Z} 43'09	-2°58'01	evening set	-12294 Mar 09 j 21:31	3° \mathbb{Z} 07'08	
minimum elong	-12295 Apr 05 j 06:20	15° \mathbb{Z} 48'47	2°58'20	min. Earth dist.	-12294 Mar 14 j 23:27	0° \mathbb{Z} 11'38	0.58084 AU
morning rise	-12295 Apr 12 j 17:48	11° \mathbb{Z} 00'02			-12294 Mar 15 j 06:08	30° \mathbb{R} \mathbb{X}	
direct	-12295 Apr 15 j 04:43	10° \mathbb{Z} 36'44		inferior conj	-12294 Mar 18 j 03:04	27° \mathbb{X} 55'35	-2°08'34
morning max el	-12295 Apr 22 j 11:10	14° \mathbb{Z} 09'50	18°15'03	minimum elong	-12294 Mar 17 j 23:35	28° \mathbb{X} 01'55	2°08'28
asc. node	-12295 Apr 30 j 17:04	25° \mathbb{Z} 26'18		morning rise	-12294 Mar 26 j 04:50	23° \mathbb{X} 31'48	
	-12295 May 03 j 08:02	0° \approx		direct	-12294 Mar 28 j 11:30	23° \mathbb{X} 15'01	
morning set	-12295 May 08 j 13:29	9° \approx 37'42		morning max el	-12294 Apr 05 j 18:20	27° \mathbb{X} 12'11	18°46'53
					-12294 Apr 08 j 08:11	0° \mathbb{Z}	
superior conj	-12295 May 18 j 12:52	28° \approx 03'25	1°47'23	asc. node	-12294 Apr 17 j 13:59	14° \mathbb{Z} 36'17	
minimum elong	-12295 May 18 j 11:27	27° \approx 57'01	1°46'56	morning set	-12294 Apr 22 j 03:46	23° \mathbb{Z} 18'46	
	-12295 May 19 j 14:55	0° \mathbb{X}			-12294 Apr 25 j 14:15	0° \approx	
max. Earth dist.	-12295 May 25 j 21:54	10° \mathbb{X} 57'03	1.40917 AU				
evening rise	-12295 May 31 j 07:42	19° \mathbb{X} 57'08		superior conj	-12294 May 01 j 02:25	10° \approx 34'16	1°36'50
	-12295 Jun 06 j 14:52	0° \mathbb{Y}		minimum elong	-12294 Apr 30 j 23:34	10° \approx 20'49	1°36'02
desc. node	-12295 Jun 17 j 21:05	16° \mathbb{Y} 54'14		max. Earth dist.	-12294 May 07 j 22:47	23° \approx 07'22	1.39054 AU
	-12295 Jun 27 j 11:21	0° \mathbb{X}			-12294 May 11 j 21:21	0° \mathbb{X}	
evening max el	-12295 Jul 04 j 01:26	7° \mathbb{X} 36'51	22°41'56	evening rise	-12294 May 12 j 03:31	0° \mathbb{X} 26'24	
retrograde	-12295 Jul 13 j 19:31	13° \mathbb{X} 24'01			-12294 May 30 j 23:02	0° \mathbb{Y}	
evening set	-12295 Jul 18 j 14:02	11° \mathbb{X} 24'38		desc. node	-12294 Jun 04 j 18:37	6° \mathbb{Y} 44'06	
inferior conj	-12295 Jul 23 j 19:15	5° \mathbb{X} 11'18	-1°12'04	evening max el	-12294 Jun 16 j 12:30	20° \mathbb{Y} 56'43	24°04'21
minimum elong	-12295 Jul 23 j 20:40	5° \mathbb{X} 06'26	1°11'09	retrograde	-12294 Jun 27 j 10:32	27° \mathbb{Y} 24'55	
min. Earth dist.	-12295 Jul 23 j 18:41	5° \mathbb{X} 13'17	0.67241 AU	evening set	-12294 Jul 02 j 19:49	25° \mathbb{Y} 04'54	
asc. node	-12295 Jul 27 j 18:12	0° \mathbb{X} 10'45		min. Earth dist.	-12294 Jul 07 j 13:36	19° \mathbb{Y} 29'20	0.67135 AU
	-12295 Jul 27 j 22:22	30° \mathbb{R} \mathbb{Y}		inferior conj	-12294 Jul 08 j 01:20	18° \mathbb{Y} 49'19	-1°54'20
morning rise	-12295 Jul 29 j 03:11	28° \mathbb{Y} 53'56		minimum elong	-12294 Jul 08 j 03:21	18° \mathbb{Y} 42'26	1°53'28
direct	-12295 Aug 02 j 13:42	27° \mathbb{Y} 07'08		morning rise	-12294 Jul 13 j 10:51	12° \mathbb{Y} 39'08	
	-12295 Aug 08 j 23:18	0° \mathbb{X}		asc. node	-12294 Jul 14 j 15:01	11° \mathbb{Y} 53'45	
morning max el	-12295 Aug 11 j 22:46	2° \mathbb{X} 45'22	22°10'23	direct	-12294 Jul 17 j 09:47	11° \mathbb{Y} 09'59	
	-12295 Sep 01 j 08:12	0° \mathbb{II}		morning max el	-12294 Jul 25 j 17:19	16° \mathbb{Y} 06'12	20°53'07
morning set	-12295 Sep 13 j 10:21	18° \mathbb{II} 41'52			-12294 Aug 05 j 14:05	0° \mathbb{X}	
desc. node	-12295 Sep 13 j 18:12	19° \mathbb{II} 13'20		morning set	-12294 Aug 23 j 19:01	27° \mathbb{X} 25'23	
max. Earth dist.	-12295 Sep 19 j 18:29	29° \mathbb{II} 04'05	1.41426 AU		-12294 Aug 25 j 10:33	0° \mathbb{II}	
	-12295 Sep 20 j 07:51	0° \mathbb{E}		desc. node	-12294 Aug 31 j 15:21	9° \mathbb{II} 51'09	
				max. Earth dist.	-12294 Sep 02 j 02:35	12° \mathbb{II} 13'26	1.43047 AU
superior conj	-12295 Sep 27 j 07:05	11° \mathbb{E} 59'13	-1°14'30				
minimum elong	-12295 Sep 27 j 03:16	11° \mathbb{E} 42'27	1°13'26	superior conj	-12294 Sep 08 j 10:13	22° \mathbb{II} 38'05	-0°45'33
	-12295 Oct 07 j 04:58	0° Ω		minimum elong	-12294 Sep 08 j 06:26	22° \mathbb{II} 22'13	0°44'23
evening rise	-12295 Oct 07 j 16:56	0° Ω 55'26			-12294 Sep 12 j 18:29	0° \mathbb{E}	
asc. node	-12295 Oct 23 j 17:46	26° Ω 36'58		evening rise	-12294 Sep 20 j 12:35	13° \mathbb{E} 32'06	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12294 Sep 30 j 01:27	0°♌		behind sun begin	-12293 Aug 18 j 22:42	1°♊12'42	
evening max el	-12294 Oct 07 j 10:32	10°♌02'23	18°07'25	behind sun end	-12293 Aug 19 j 19:44	2°♊37'20	
asc. node	-12294 Oct 10 j 15:00	12°♌34'26		evening rise	-12293 Sep 02 j 12:39	25°♊12'52	
retrograde	-12294 Oct 14 j 03:32	13°♌34'55			-12293 Sep 05 j 08:52	0°♊	
evening set	-12294 Oct 16 j 17:23	13°♌03'02		evening max el	-12293 Sep 21 j 00:18	23°♊27'31	18°20'56
inferior conj	-12294 Oct 23 j 09:45	7°♌49'59	3°23'38	retrograde	-12293 Sep 27 j 15:09	27°♊04'42	
minimum elong	-12294 Oct 23 j 05:54	7°♌59'39	3°23'21	asc. node	-12293 Sep 27 j 12:10	27°♊04'37	
min. Earth dist.	-12294 Oct 26 j 01:45	5°♌09'43	0.62332 AU	evening set	-12293 Sep 30 j 09:23	26°♊24'05	
morning rise	-12294 Oct 29 j 17:22	2°♌01'41		inferior conj	-12293 Oct 06 j 15:24	20°♊53'29	2°37'55
	-12294 Nov 02 j 14:00	30°♋		minimum elong	-12293 Oct 06 j 11:58	21°♊03'04	2°37'34
direct	-12294 Nov 05 j 18:44	29°♋29'04		min. Earth dist.	-12293 Oct 08 j 18:58	18°♋29'38	0.63886 AU
	-12294 Nov 09 j 02:32	0°♌		morning rise	-12293 Oct 12 j 13:47	14°♋51'13	
morning max el	-12294 Nov 19 j 13:40	6°♌58'28	27°33'34	direct	-12293 Oct 19 j 10:54	12°♋08'14	
desc. node	-12294 Nov 27 j 15:50	16°♌09'09		morning max el	-12293 Nov 01 j 22:30	19°♋40'46	27°23'25
	-12294 Dec 07 j 06:58	0°♍			-12293 Nov 10 j 22:02	0°♌	
morning set	-12294 Dec 22 j 18:34	28°♍00'31		desc. node	-12293 Nov 14 j 12:29	4°♌52'11	
	-12294 Dec 23 j 17:58	0°♌			-12293 Nov 30 j 04:21	0°♍	
max. Earth dist.	-12294 Dec 28 j 13:46	10°♌10'14	1.33124 AU	morning set	-12293 Dec 06 j 15:17	12°♍11'59	
				max. Earth dist.	-12293 Dec 11 j 17:29	22°♍33'09	1.33827 AU
superior conj	-12294 Dec 30 j 03:20	13°♌32'56	-1°03'43				
minimum elong	-12294 Dec 30 j 05:20	13°♌43'44	1°03'35	superior conj	-12293 Dec 14 j 11:12	28°♍19'41	-1°19'22
evening rise	-12293 Jan 06 j 04:28	28°♌42'57		minimum elong	-12293 Dec 14 j 13:11	28°♍30'13	1°19'07
asc. node	-12293 Jan 06 j 12:35	29°♌25'33			-12293 Dec 15 j 06:02	0°♌	
	-12293 Jan 06 j 19:11	0°♍		evening rise	-12293 Dec 21 j 15:34	13°♌37'36	
	-12293 Jan 24 j 02:22	0°♌		asc. node	-12293 Dec 24 j 09:57	19°♌18'56	
evening max el	-12293 Jan 31 j 03:49	8°♌02'52	24°15'41		-12293 Dec 30 j 01:09	0°♍	
retrograde	-12293 Feb 13 j 21:18	14°♌51'45		evening max el	-12292 Jan 12 j 21:35	18°♍54'25	22°41'33
evening set	-12293 Feb 18 j 05:17	14°♌09'45		retrograde	-12292 Jan 25 j 18:56	25°♍06'14	
desc. node	-12293 Feb 23 j 17:40	11°♌33'05		evening set	-12292 Jan 29 j 04:19	24°♍41'02	
min. Earth dist.	-12293 Feb 24 j 17:08	10°♌57'28	0.56515 AU	min. Earth dist.	-12292 Feb 06 j 08:35	20°♍59'16	0.55602 AU
inferior conj	-12293 Feb 27 j 01:16	9°♌29'01	-0°49'40	inferior conj	-12292 Feb 07 j 06:20	20°♍27'45	0°51'06
minimum elong	-12293 Feb 26 j 23:22	9°♌32'02	0°49'46	minimum elong	-12292 Feb 07 j 08:29	20°♍24'39	0°49'51
morning rise	-12293 Mar 07 j 20:23	5°♌20'48		desc. node	-12292 Feb 10 j 14:29	18°♍36'01	
direct	-12293 Mar 10 j 00:07	5°♌08'12		morning rise	-12292 Feb 16 j 13:56	16°♍24'15	
morning max el	-12293 Mar 19 j 17:39	9°♌44'16	19°38'32	direct	-12292 Feb 18 j 20:56	16°♍11'50	
	-12293 Apr 02 j 07:12	0°♎		morning max el	-12292 Mar 01 j 06:29	21°♍37'58	20°49'28
asc. node	-12293 Apr 04 j 10:58	4°♎11'09			-12292 Mar 08 j 03:55	0°♌	
morning set	-12293 Apr 06 j 03:28	7°♎32'09		morning set	-12292 Mar 20 j 09:33	22°♌09'10	
				asc. node	-12292 Mar 21 j 07:59	24°♌04'19	
superior conj	-12293 Apr 14 j 08:01	23°♎56'23	1°19'42		-12292 Mar 24 j 04:44	0°♎	
minimum elong	-12293 Apr 14 j 05:00	23°♎41'32	1°18'40				
	-12293 Apr 17 j 10:48	0°♏		superior conj	-12292 Mar 28 j 01:10	7°♎56'36	0°58'42
max. Earth dist.	-12293 Apr 20 j 00:20	4°♏51'25	1.37239 AU	minimum elong	-12292 Mar 27 j 22:44	7°♎44'07	0°57'36
evening rise	-12293 Apr 24 j 01:06	12°♏14'35		max. Earth dist.	-12292 Apr 01 j 08:35	16°♎35'40	1.35668 AU
	-12293 May 04 j 12:27	0°♏		evening rise	-12292 Apr 05 j 19:00	25°♎06'45	
desc. node	-12293 May 22 j 16:07	26°♏04'46			-12292 Apr 08 j 10:37	0°♏	
	-12293 May 25 j 22:26	0°♐			-12292 Apr 26 j 23:58	0°♏	
evening max el	-12293 May 29 j 21:59	4°♐17'37	25°22'32	desc. node	-12292 May 08 j 13:33	14°♏44'07	
retrograde	-12293 Jun 10 j 21:38	11°♐19'49		evening max el	-12292 May 11 j 08:07	17°♏38'12	26°27'48
evening set	-12293 Jun 16 j 21:15	8°♐43'00		retrograde	-12292 May 24 j 04:08	25°♏02'15	
min. Earth dist.	-12293 Jun 21 j 05:33	3°♐45'55	0.66680 AU	evening set	-12292 May 30 j 16:01	22°♏16'16	
inferior conj	-12293 Jun 22 j 05:30	2°♐27'14	-2°30'38	min. Earth dist.	-12292 Jun 03 j 16:17	17°♏58'19	0.65849 AU
minimum elong	-12293 Jun 22 j 07:46	2°♐19'46	2°30'02	inferior conj	-12292 Jun 05 j 05:42	16°♏02'27	-2°59'24
	-12293 Jun 24 j 03:33	30°♑		minimum elong	-12292 Jun 05 j 07:46	15°♏56'01	2°59'13
morning rise	-12293 Jun 27 j 18:19	26°♑27'17		morning rise	-12292 Jun 10 j 23:43	10°♏15'27	
direct	-12293 Jul 01 j 07:29	25°♑14'06		direct	-12292 Jun 14 j 05:02	9°♏16'12	
asc. node	-12293 Jul 01 j 11:49	25°♑14'17		asc. node	-12292 Jun 17 j 08:34	10°♏09'30	
morning max el	-12293 Jul 08 j 18:23	29°♑33'50	19°47'07	morning max el	-12292 Jun 21 j 01:22	13°♏07'18	18°55'41
	-12293 Jul 09 j 04:22	0°♐			-12292 Jul 03 j 05:16	0°♐	
	-12293 Jul 30 j 03:08	0°♑		morning set	-12292 Jul 12 j 17:08	15°♐09'19	
morning set	-12293 Aug 02 j 22:58	5°♑57'41			-12292 Jul 22 j 00:35	0°♑	
max. Earth dist.	-12293 Aug 15 j 15:50	25°♑57'22	1.44138 AU				
	-12293 Aug 18 j 04:35	0°♒		superior conj	-12292 Jul 28 j 12:53	10°♑18'50	0°39'51
desc. node	-12293 Aug 18 j 12:37	0°♒32'15		minimum elong	-12292 Jul 28 j 17:32	10°♑37'13	0°39'47
				max. Earth dist.	-12292 Jul 28 j 07:45	9°♑58'31	1.44576 AU
superior conj	-12293 Aug 19 j 09:44	1°♒57'04	-0°05'16	desc. node	-12292 Aug 04 j 09:58	21°♑12'59	
minimum elong	-12293 Aug 19 j 09:13	1°♒54'59	0°04'33		-12292 Aug 09 j 22:06	0°♒	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening rise	-12292 Aug 13 j 11:22	5° Π 42'11		max. Earth dist.	-12291 Jul 10 j 23:58	24° Υ 01'45	1.44314 AU
	-12292 Aug 28 j 23:16	0° Θ			-12291 Jul 14 j 18:25	0° \mathcal{B}	
evening max el	-12292 Sep 03 j 12:39	6° Θ 57'13	18°52'01	desc. node	-12291 Jul 22 j 07:23	11° \mathcal{B} 50'35	
retrograde	-12292 Sep 10 j 08:20	10° Θ 47'25		evening rise	-12291 Jul 24 j 06:53	14° \mathcal{B} 56'09	
evening set	-12292 Sep 13 j 09:22	9° Θ 54'52			-12291 Aug 02 j 23:58	0° Π	
asc. node	-12292 Sep 13 j 09:15	9° Θ 55'02		greatest brilliancy	-12291 Aug 04 j 13:37	2° Π 23'42	-0.7m
inferior conj	-12292 Sep 19 j 06:37	4° Θ 09'51	1°47'13	evening max el	-12291 Aug 17 j 21:01	20° Π 27'39	19°39'26
minimum elong	-12292 Sep 19 j 04:11	4° Θ 17'18	1°47'04	retrograde	-12291 Aug 25 j 04:22	24° Π 39'45	
min. Earth dist.	-12292 Sep 20 j 21:35	2° Θ 11'26	0.65158 AU	evening set	-12291 Aug 28 j 14:31	23° Π 31'48	
	-12292 Sep 22 j 19:32	30° \mathcal{R} Π		asc. node	-12291 Aug 31 j 06:16	21° Π 10'22	
morning rise	-12292 Sep 24 j 22:27	27° Π 57'24		inferior conj	-12291 Sep 03 j 04:46	17° Π 35'14	0°54'56
direct	-12292 Oct 01 j 09:37	25° Π 16'01		minimum elong	-12291 Sep 03 j 03:31	17° Π 39'19	0°55'10
	-12292 Oct 11 j 09:22	0° Θ		min. Earth dist.	-12291 Sep 04 j 07:50	16° Π 07'30	0.66127 AU
morning max el	-12292 Oct 14 j 08:43	2° Θ 43'30	26°43'06	morning rise	-12291 Sep 08 j 16:11	11° Π 16'32	
desc. node	-12292 Oct 31 j 09:10	24° Θ 15'13		direct	-12291 Sep 14 j 14:12	8° Π 45'40	
	-12292 Nov 04 j 03:38	0° Ω		morning max el	-12291 Sep 26 j 18:42	15° Π 56'09	25°39'42
morning set	-12292 Nov 19 j 01:05	25° Ω 46'11			-12291 Oct 08 j 12:08	0° Θ	
	-12292 Nov 21 j 05:48	0° \mathcal{M}		desc. node	-12291 Oct 18 j 05:56	14° Θ 06'51	
max. Earth dist.	-12292 Nov 23 j 11:16	4° \mathcal{M} 24'03	1.34949 AU		-12291 Oct 28 j 00:09	0° Ω	
				morning set	-12291 Nov 01 j 19:40	8° Ω 30'27	
superior conj	-12292 Nov 27 j 14:00	12° \mathcal{M} 47'03	-1°30'54	max. Earth dist.	-12291 Nov 05 j 18:29	15° Ω 50'31	1.36493 AU
minimum elong	-12292 Nov 27 j 15:29	12° \mathcal{M} 54'46	1°30'34				
evening rise	-12292 Dec 05 j 01:02	28° \mathcal{M} 22'28		superior conj	-12291 Nov 11 j 09:01	26° Ω 46'37	-1°36'59
	-12292 Dec 05 j 19:57	0° $\underline{\Omega}$		minimum elong	-12291 Nov 11 j 09:28	26° Ω 48'53	1°36'33
asc. node	-12292 Dec 10 j 07:19	8° $\underline{\Omega}$ 52'42			-12291 Nov 12 j 23:29	0° \mathcal{M}	
	-12292 Dec 24 j 19:39	0° \mathcal{M}		evening rise	-12291 Nov 19 j 07:06	12° \mathcal{M} 52'13	
evening max el	-12292 Dec 24 j 20:57	0° \mathcal{M} 03'02	21°12'15	asc. node	-12291 Nov 27 j 04:41	27° \mathcal{M} 59'37	
retrograde	-12291 Jan 05 j 09:21	5° \mathcal{M} 27'58			-12291 Nov 28 j 08:59	0° $\underline{\Omega}$	
evening set	-12291 Jan 08 j 05:24	5° \mathcal{M} 09'27		evening max el	-12291 Dec 07 j 05:37	11° $\underline{\Omega}$ 42'38	19°56'56
inferior conj	-12291 Jan 17 j 03:46	1° \mathcal{M} 10'07	2°30'46	retrograde	-12291 Dec 17 j 04:06	16° $\underline{\Omega}$ 22'57	
minimum elong	-12291 Jan 17 j 09:17	1° \mathcal{M} 02'11	2°28'55	evening set	-12291 Dec 19 j 18:33	16° $\underline{\Omega}$ 05'12	
min. Earth dist.	-12291 Jan 17 j 22:39	0° \mathcal{M} 42'58	0.55534 AU	inferior conj	-12291 Dec 28 j 06:46	12° $\underline{\Omega}$ 01'55	3°42'36
	-12291 Jan 19 j 04:54	30° \mathcal{R} $\underline{\Omega}$		minimum elong	-12291 Dec 28 j 11:39	11° $\underline{\Omega}$ 54'19	3°41'39
morning rise	-12291 Jan 26 j 12:16	26° $\underline{\Omega}$ 56'16		min. Earth dist.	-12291 Dec 30 j 11:43	10° $\underline{\Omega}$ 39'51	0.56307 AU
desc. node	-12291 Jan 27 j 11:12	26° $\underline{\Omega}$ 45'43		morning rise	-12290 Jan 06 j 02:49	7° $\underline{\Omega}$ 26'58	
direct	-12291 Jan 29 j 12:02	26° $\underline{\Omega}$ 36'26		direct	-12290 Jan 10 j 08:17	6° $\underline{\Omega}$ 47'13	
	-12291 Feb 07 j 21:42	0° \mathcal{M}		desc. node	-12290 Jan 14 j 07:51	7° $\underline{\Omega}$ 23'29	
morning max el	-12291 Feb 11 j 07:56	2° \mathcal{M} 51'37	22°16'49	morning max el	-12290 Jan 24 j 00:45	13° $\underline{\Omega}$ 36'59	23°53'16
	-12291 Mar 01 j 08:29	0° \mathcal{X}			-12290 Feb 05 j 14:46	0° \mathcal{M}	
morning set	-12291 Mar 04 j 19:41	7° \mathcal{X} 02'37		morning set	-12290 Feb 17 j 07:51	22° \mathcal{M} 05'18	
asc. node	-12291 Mar 08 j 05:04	14° \mathcal{X} 10'33			-12290 Feb 21 j 01:02	0° \mathcal{X}	
				asc. node	-12290 Feb 23 j 02:12	4° \mathcal{X} 24'52	
superior conj	-12291 Mar 12 j 02:28	22° \mathcal{X} 24'42	0°35'45				
minimum elong	-12291 Mar 12 j 00:56	22° \mathcal{X} 16'43	0°34'44	superior conj	-12290 Feb 24 j 09:13	7° \mathcal{X} 11'45	0°12'11
max. Earth dist.	-12291 Mar 15 j 03:10	28° \mathcal{X} 43'05	1.34436 AU	minimum elong	-12290 Feb 24 j 08:44	7° \mathcal{X} 09'07	0°11'24
	-12291 Mar 15 j 18:10	0° \mathcal{Z}		behind sun begin	-12290 Feb 24 j 05:08	6° \mathcal{X} 49'47	
evening rise	-12291 Mar 20 j 03:47	8° \mathcal{Z} 46'52		behind sun end	-12290 Feb 24 j 12:20	7° \mathcal{X} 28'27	
	-12291 Mar 31 j 23:07	0° \approx		max. Earth dist.	-12290 Feb 26 j 07:15	11° \mathcal{X} 17'44	1.33555 AU
	-12291 Apr 22 j 22:22	0° \mathcal{H}		evening rise	-12290 Mar 03 j 23:06	23° \mathcal{X} 00'46	
evening max el	-12291 Apr 23 j 19:04	0° \mathcal{H} 51'41	27°11'46		-12290 Mar 07 j 12:50	0° \mathcal{Z}	
desc. node	-12291 Apr 25 j 10:54	2° \mathcal{H} 25'24			-12290 Mar 25 j 17:09	0° \approx	
retrograde	-12291 May 07 j 05:17	8° \mathcal{H} 25'16		evening max el	-12290 Apr 06 j 04:59	13° \approx 45'27	27°27'30
evening set	-12291 May 14 j 01:26	5° \mathcal{H} 40'52		desc. node	-12290 Apr 12 j 08:11	18° \approx 44'22	
min. Earth dist.	-12291 May 17 j 19:48	1° \mathcal{H} 59'28	0.64625 AU	retrograde	-12290 Apr 20 j 00:12	21° \approx 19'57	
inferior conj	-12291 May 19 j 23:39	29° \approx 31'47	-3°18'32	evening set	-12290 Apr 26 j 22:22	18° \approx 49'50	
minimum elong	-12291 May 20 j 01:00	29° \approx 27'55	3°18'48	min. Earth dist.	-12290 Apr 30 j 14:32	15° \approx 38'00	0.63030 AU
	-12291 May 19 j 13:48	30° \mathcal{R} \approx		inferior conj	-12290 May 03 j 08:34	12° \approx 48'57	-3°24'57
morning rise	-12291 May 26 j 01:04	24° \approx 00'11		minimum elong	-12290 May 03 j 08:36	12° \approx 48'52	3°25'30
direct	-12291 May 29 j 00:10	23° \approx 12'52		morning rise	-12290 May 09 j 19:55	7° \approx 35'10	
asc. node	-12291 Jun 04 j 05:19	26° \approx 26'05		direct	-12290 May 12 j 13:59	6° \approx 58'11	
morning max el	-12291 Jun 04 j 12:48	26° \approx 44'35	18°20'59	morning max el	-12290 May 19 j 02:26	10° \approx 20'45	18°04'04
	-12291 Jun 07 j 08:36	0° \mathcal{H}		asc. node	-12290 May 22 j 02:03	13° \approx 47'25	
morning set	-12291 Jun 23 j 11:42	25° \mathcal{H} 28'50			-12290 Jun 01 j 07:10	0° \mathcal{H}	
	-12291 Jun 26 j 04:51	0° Υ		morning set	-12290 Jun 05 j 06:44	6° \mathcal{H} 57'00	
superior conj	-12291 Jul 07 j 15:46	18° Υ 41'34	1°18'18	superior conj	-12290 Jun 17 j 14:08	28° \mathcal{H} 01'20	1°41'42
minimum elong	-12291 Jul 07 j 22:19	19° Υ 07'50	1°17'57	minimum elong	-12290 Jun 17 j 17:58	28° \mathcal{H} 17'20	1°41'29

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12290 Jun 18 j 18:45	0°♿				-12289 May 07 j 15:16	0°♿	
max. Earth dist.	-12290 Jun 23 j 13:25	7°♿48'39	1.43384 AU	asc. node		-12289 May 08 j 22:51	1°♿59'42	
evening rise	-12290 Jul 03 j 08:22	23°♿19'35		morning set		-12289 May 18 j 22:12	19°♿24'59	
	-12290 Jul 07 j 16:00	0°♿				-12289 May 24 j 17:52	0°♿	
desc. node	-12290 Jul 09 j 04:54	2°♿21'12						
	-12290 Jul 28 j 12:06	0°♿		superior conj		-12289 May 29 j 15:28	8°♿41'16	1°49'07
evening max el	-12290 Jul 31 j 23:12	3°♿54'54	20°41'35	minimum elong		-12289 May 29 j 15:37	8°♿41'52	1°48'49
retrograde	-12290 Aug 09 j 01:02	8°♿38'26		max. Earth dist.		-12289 Jun 05 j 21:26	21°♿02'01	1.41916 AU
evening set	-12290 Aug 12 j 22:26	7°♿11'55				-12289 Jun 11 j 09:10	0°♿	
inferior conj	-12290 Aug 18 j 07:34	1°♿06'36	0°03'26	evening rise		-12289 Jun 12 j 13:29	1°♿53'18	
minimum elong	-12290 Aug 18 j 07:29	1°♿06'55	0°04'03	desc. node		-12289 Jun 26 j 02:27	22°♿40'32	
transit middle	-12290 Aug 18 j 07:29	1°♿06'55	0°04'03			-12289 Jul 01 j 03:42	0°♿	
transit begin	-12290 Aug 18 j 04:50	1°♿15'53		evening max el		-12289 Jul 14 j 18:17	17°♿17'16	21°55'41
transit end	-12290 Aug 18 j 10:08	0°♿57'57		retrograde		-12289 Jul 23 j 20:38	22°♿40'25	
asc. node	-12290 Aug 18 j 03:11	1°♿21'26		evening set		-12289 Jul 28 j 07:02	20°♿53'10	
min. Earth dist.	-12290 Aug 18 j 23:35	0°♿12'25	0.66789 AU	inferior conj		-12289 Aug 02 j 13:03	14°♿41'50	-0°45'34
	-12290 Aug 19 j 03:16	30°♿		minimum elong		-12289 Aug 02 j 13:59	14°♿38'38	0°44'42
morning rise	-12290 Aug 23 j 16:21	24°♿45'29		min. Earth dist.		-12289 Aug 02 j 18:30	14°♿23'02	0.67156 AU
direct	-12290 Aug 29 j 00:02	22°♿30'30		asc. node		-12289 Aug 05 j 00:04	11°♿24'17	
morning max el	-12290 Sep 09 j 04:32	29°♿11'53	24°21'48	morning rise		-12289 Aug 07 j 20:50	8°♿22'01	
	-12290 Sep 09 j 23:14	0°♿		direct		-12289 Aug 12 j 14:36	6°♿25'00	
	-12290 Oct 02 j 08:14	0°♿		morning max el		-12289 Aug 22 j 15:51	12°♿28'07	22°58'03
desc. node	-12290 Oct 05 j 02:49	4°♿18'53				-12289 Sep 05 j 13:43	0°♿	
morning set	-12290 Oct 14 j 17:52	20°♿11'19		desc. node		-12289 Sep 21 j 23:48	24°♿44'37	
max. Earth dist.	-12290 Oct 18 j 18:51	27°♿18'12	1.38355 AU			-12289 Sep 25 j 05:48	0°♿	
	-12290 Oct 20 j 06:37	0°♿		morning set		-12289 Sep 25 j 14:54	0°♿37'14	
				max. Earth dist.		-12289 Sep 30 j 18:26	9°♿14'39	1.40333 AU
superior conj	-12290 Oct 25 j 16:46	10°♿08'10	-1°35'54					
minimum elong	-12290 Oct 25 j 15:38	10°♿02'46	1°35'17	superior conj		-12289 Oct 08 j 08:31	22°♿37'57	-1°25'33
evening rise	-12290 Nov 03 j 07:39	27°♿01'08		minimum elong		-12289 Oct 08 j 05:33	22°♿24'29	1°24'39
	-12290 Nov 04 j 20:07	0°♿				-12289 Oct 12 j 08:19	0°♿	
asc. node	-12290 Nov 14 j 02:03	16°♿30'40		evening rise		-12289 Oct 17 j 23:58	10°♿41'21	
evening max el	-12290 Nov 20 j 00:32	23°♿56'30	19°00'26			-12289 Oct 28 j 21:23	0°♿	
retrograde	-12290 Nov 28 j 13:53	28°♿02'53		asc. node		-12289 Oct 31 j 23:23	4°♿13'37	
evening set	-12290 Dec 01 j 01:48	27°♿43'22		evening max el		-12289 Nov 03 j 04:17	6°♿39'30	18°24'12
inferior conj	-12290 Dec 09 j 01:34	23°♿24'00	4°14'46	retrograde		-12289 Nov 10 j 17:16	10°♿24'02	
minimum elong	-12290 Dec 09 j 02:54	23°♿21'38	4°14'49	evening set		-12289 Nov 13 j 04:24	10°♿01'14	
min. Earth dist.	-12290 Dec 12 j 01:47	21°♿16'43	0.57720 AU	inferior conj		-12289 Nov 20 j 15:31	5°♿21'10	4°12'12
morning rise	-12290 Dec 17 j 02:01	18°♿25'04		minimum elong		-12289 Nov 20 j 13:33	5°♿25'12	4°12'23
direct	-12290 Dec 22 j 15:11	17°♿12'26		min. Earth dist.		-12289 Nov 23 j 20:05	2°♿45'22	0.59491 AU
desc. node	-12289 Jan 01 j 04:28	20°♿39'38		morning rise		-12289 Nov 27 j 20:58	0°♿00'33	
morning max el	-12289 Jan 05 j 15:35	24°♿21'24	25°25'57			-12289 Nov 27 j 21:22	30°♿	
	-12289 Jan 10 j 19:55	0°♿		direct		-12289 Dec 04 j 09:36	28°♿10'19	
	-12289 Jan 29 j 08:09	0°♿				-12289 Dec 11 j 02:50	0°♿	
morning set	-12289 Feb 01 j 20:17	7°♿10'53		morning max el		-12289 Dec 18 j 10:26	5°♿30'04	26°39'52
				desc. node		-12289 Dec 19 j 01:03	6°♿05'36	
superior conj	-12289 Feb 08 j 19:25	22°♿11'12	-0°11'02			-12288 Jan 05 j 14:48	0°♿	
minimum elong	-12289 Feb 08 j 19:54	22°♿13'47	0°11'31	morning set		-12288 Jan 17 j 07:06	22°♿11'23	
behind sun begin	-12289 Feb 08 j 16:26	21°♿54'58				-12288 Jan 20 j 23:13	0°♿	
behind sun end	-12289 Feb 08 j 23:21	22°♿32'36						
max. Earth dist.	-12289 Feb 09 j 17:48	24°♿12'49	1.33010 AU	superior conj		-12288 Jan 24 j 07:11	7°♿15'20	-0°33'04
asc. node	-12289 Feb 09 j 23:26	24°♿43'21		minimum elong		-12288 Jan 24 j 08:28	7°♿22'18	0°33'16
	-12289 Feb 12 j 10:17	0°♿		max. Earth dist.		-12288 Jan 24 j 07:06	7°♿14'50	1.32787 AU
evening rise	-12289 Feb 16 j 01:46	7°♿38'06		asc. node		-12288 Jan 27 j 20:46	15°♿00'55	
	-12289 Feb 28 j 01:08	0°♿		evening rise		-12288 Jan 31 j 09:13	22°♿29'11	
evening max el	-12289 Mar 19 j 11:27	26°♿08'28	27°10'52			-12288 Feb 04 j 02:12	0°♿	
	-12289 Mar 24 j 00:49	0°♿				-12288 Feb 22 j 11:43	0°♿	
desc. node	-12289 Mar 30 j 05:20	3°♿10'26		evening max el		-12288 Feb 29 j 12:35	7°♿54'08	26°22'12
retrograde	-12289 Apr 02 j 12:07	3°♿38'58		retrograde		-12288 Mar 14 j 15:39	15°♿15'51	
evening set	-12289 Apr 09 j 03:35	1°♿35'07		desc. node		-12288 Mar 16 j 02:23	15°♿10'32	
	-12289 Apr 11 j 09:50	30°♿		evening set		-12288 Mar 20 j 14:29	13°♿46'09	
min. Earth dist.	-12289 Apr 13 j 00:08	28°♿40'59	0.61151 AU	min. Earth dist.		-12288 Mar 25 j 01:58	10°♿54'56	0.59162 AU
inferior conj	-12289 Apr 16 j 05:09	25°♿47'27	-3°14'13	inferior conj		-12288 Mar 28 j 09:47	8°♿18'41	-2°40'33
minimum elong	-12289 Apr 16 j 03:27	20°♿51'20	3°14'43	minimum elong		-12288 Mar 28 j 06:34	8°♿25'03	2°40'40
morning rise	-12289 Apr 23 j 05:19	20°♿53'11		morning rise		-12288 Apr 05 j 01:37	3°♿44'23	
direct	-12289 Apr 25 j 18:52	20°♿25'15		direct		-12288 Apr 07 j 10:37	3°♿24'11	
morning max el	-12289 May 02 j 15:52	23°♿50'29	18°05'38	morning max el		-12288 Apr 15 j 02:14	7°♿05'38	18°26'16

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

asc. node	-12288 Apr 24 j 19:44	20° Z 51'21		asc. node	-12287 Apr 11 j 16:41	10° Z 12'45	
	-12288 Apr 29 j 19:12	0° \approx		morning set	-12287 Apr 15 j 00:03	16° Z 37'46	
morning set	-12288 May 01 j 05:23	2° \approx 42'08			-12287 Apr 21 j 18:57	0° \approx	
superior conj	-12288 May 10 j 17:21	20° \approx 35'43	1°43'55	superior conj	-12287 Apr 23 j 14:17	3° \approx 29'44	1°30'10
minimum elong	-12288 May 10 j 15:08	20° \approx 25'32	1°43'20	minimum elong	-12287 Apr 23 j 11:15	3° \approx 15'06	1°29'16
	-12288 May 15 j 22:54	0° X		max. Earth dist.	-12287 Apr 29 j 23:29	15° \approx 26'26	1.38258 AU
max. Earth dist.	-12288 May 17 j 23:32	3° X 32'04	1.40124 AU	evening rise	-12287 May 04 j 00:33	22° \approx 38'25	
evening rise	-12288 May 22 j 17:14	11° X 34'03			-12287 May 08 j 07:58	0° X	
	-12288 Jun 03 j 07:36	0° Y			-12287 May 28 j 02:56	0° Y	
desc. node	-12288 Jun 11 j 23:59	12° Y 43'14		desc. node	-12287 May 29 j 21:29	2° Y 21'50	
	-12288 Jun 25 j 17:01	0° B		evening max el	-12287 Jun 08 j 17:28	13° Y 57'01	24°38'49
evening max el	-12288 Jun 26 j 07:24	0° B 36'49	23°17'03	retrograde	-12287 Jun 20 j 03:08	20° Y 41'10	
retrograde	-12288 Jul 06 j 13:43	6° B 42'46		evening set	-12287 Jun 25 j 18:31	18° Y 13'37	
evening set	-12288 Jul 11 j 14:23	4° B 34'22		min. Earth dist.	-12287 Jun 30 j 08:12	12° Y 53'55	0.66977 AU
	-12288 Jul 15 j 14:07	30° R Y		inferior conj	-12287 Jul 01 j 00:53	11° Y 57'41	-2°10'33
inferior conj	-12288 Jul 16 j 19:26	28° Y 19'33	-1°30'39	minimum elong	-12287 Jul 01 j 03:04	11° Y 50'22	2°09'48
minimum elong	-12288 Jul 16 j 21:08	28° Y 13'41	1°29'44	morning rise	-12287 Jul 06 j 11:34	5° Y 51'13	
min. Earth dist.	-12288 Jul 16 j 14:12	28° Y 37'38	0.67225 AU	asc. node	-12287 Jul 08 j 17:39	4° Y 42'04	
asc. node	-12288 Jul 21 j 20:53	22° Y 18'50		direct	-12287 Jul 10 j 06:07	4° Y 28'58	
morning rise	-12288 Jul 22 j 03:49	22° Y 04'40		morning max el	-12287 Jul 18 j 04:10	9° Y 09'03	20°23'23
direct	-12288 Jul 26 j 09:05	20° Y 25'38			-12287 Aug 02 j 14:38	0° B	
morning max el	-12288 Aug 04 j 07:04	25° Y 46'20	21°36'29	morning set	-12287 Aug 14 j 14:25	18° B 21'32	
	-12288 Aug 08 j 00:43	0° B			-12287 Aug 22 j 00:17	0° II	
	-12288 Aug 29 j 02:33	0° II		max. Earth dist.	-12287 Aug 25 j 08:15	5° II 19'19	1.43584 AU
morning set	-12288 Sep 04 j 10:26	9° II 50'45		desc. node	-12287 Aug 25 j 18:08	5° II 59'01	
desc. node	-12288 Sep 07 j 20:56	15° II 19'29		superior conj	-12287 Aug 30 j 17:54	14° II 05'47	-0°29'37
max. Earth dist.	-12288 Sep 11 j 22:14	21° II 55'20	1.42160 AU	minimum elong	-12287 Aug 30 j 15:04	13° II 54'07	0°28'34
	-12288 Sep 16 j 18:11	0° E			-12287 Sep 09 j 05:12	0° E	
superior conj	-12288 Sep 19 j 02:38	4° E 01'32	-1°03'47	evening rise	-12287 Sep 12 j 16:22	5° E 58'13	
minimum elong	-12288 Sep 18 j 22:32	3° E 43'50	1°02'37		-12287 Sep 27 j 12:00	0° O	
evening rise	-12288 Sep 30 j 04:28	23° E 44'24		evening max el	-12287 Sep 30 j 03:39	3° O 04'41	18°11'01
	-12288 Oct 03 j 15:23	0° O		asc. node	-12287 Oct 04 j 17:50	6° O 16'36	
evening max el	-12288 Oct 16 j 14:21	19° O 44'55	18°08'01	retrograde	-12287 Oct 06 j 18:42	6° O 37'46	
asc. node	-12288 Oct 17 j 20:39	20° O 54'24		evening set	-12287 Oct 09 j 10:13	6° O 02'27	
retrograde	-12288 Oct 23 j 12:11	23° O 18'45		inferior conj	-12287 Oct 15 j 22:02	0° O 41'46	3°05'08
evening set	-12288 Oct 26 j 00:26	22° O 50'51		minimum elong	-12287 Oct 15 j 18:15	0° O 51'43	3°04'46
inferior conj	-12288 Nov 01 j 23:24	17° O 49'36	3°45'48		-12287 Oct 16 j 13:49	30° R E	
minimum elong	-12288 Nov 01 j 19:47	17° O 58'03	3°45'40	min. Earth dist.	-12287 Oct 18 j 08:58	28° E 07'04	0.63031 AU
min. Earth dist.	-12288 Nov 04 j 21:48	15° O 05'33	0.61336 AU	morning rise	-12287 Oct 22 j 01:22	24° E 47'25	
morning rise	-12288 Nov 08 j 13:50	12° O 10'41		direct	-12287 Oct 29 j 02:02	22° E 08'34	
direct	-12288 Nov 15 j 13:56	9° O 49'33		morning max el	-12287 Nov 11 j 17:59	29° E 39'34	27°33'13
morning max el	-12288 Nov 29 j 11:31	17° O 16'15	27°23'44		-12287 Nov 12 j 02:21	0° O	
desc. node	-12288 Dec 04 j 21:40	23° O 08'36		desc. node	-12287 Nov 21 j 18:19	11° O 21'11	
	-12288 Dec 10 j 04:56	0° O			-12287 Dec 04 j 01:22	0° O	
	-12288 Dec 28 j 02:47	0° E		morning set	-12287 Dec 15 j 15:43	21° O 27'02	
morning set	-12288 Dec 31 j 14:21	6° E 59'25			-12287 Dec 19 j 19:23	0° E	
max. Earth dist.	-12287 Jan 06 j 19:28	20° E 10'53	1.32900 AU	max. Earth dist.	-12287 Dec 21 j 03:26	2° E 49'27	1.33376 AU
superior conj	-12287 Jan 07 j 18:50	22° E 17'55	-0°53'15	superior conj	-12287 Dec 23 j 04:38	7° E 12'46	-1°10'48
minimum elong	-12287 Jan 07 j 20:39	22° E 27'51	0°53'13	minimum elong	-12287 Dec 23 j 06:41	7° E 23'44	1°10'36
	-12287 Jan 11 j 07:46	0° O		evening rise	-12287 Dec 30 j 06:43	22° E 24'46	
asc. node	-12287 Jan 13 j 18:07	5° O 13'04		asc. node	-12287 Dec 31 j 15:28	25° E 15'12	
evening rise	-12287 Jan 14 j 19:27	7° O 26'47			-12286 Jan 02 j 23:45	0° O	
	-12287 Jan 26 j 18:18	0° X		evening max el	-12286 Jan 23 j 01:58	0° X 00'13	23°35'50
evening max el	-12287 Feb 10 j 08:33	19° X 06'21	25°06'55		-12286 Jan 23 j 01:52	0° X	
retrograde	-12287 Feb 24 j 08:28	26° X 10'24		retrograde	-12286 Feb 05 j 12:24	6° X 34'09	
evening set	-12287 Mar 01 j 06:59	25° X 13'52		evening set	-12286 Feb 09 j 09:52	6° X 00'53	
desc. node	-12287 Mar 02 j 23:19	24° X 30'31		min. Earth dist.	-12286 Feb 16 j 14:55	2° X 37'52	0.56035 AU
min. Earth dist.	-12287 Mar 06 j 22:15	22° X 12'17	0.57350 AU	desc. node	-12286 Feb 17 j 20:11	1° X 53'51	
inferior conj	-12287 Mar 09 j 19:25	20° X 14'51	-1°38'32	inferior conj	-12286 Feb 18 j 09:44	1° X 33'21	-0°08'36
minimum elong	-12287 Mar 09 j 16:14	20° X 20'17	1°38'24	minimum elong	-12286 Feb 18 j 09:21	1° X 33'56	0°09'06
morning rise	-12287 Mar 18 j 04:44	15° X 58'20		transit middle	-12286 Feb 18 j 09:21	1° X 33'56	0°09'06
direct	-12287 Mar 20 j 09:36	15° X 43'48		transit begin	-12286 Feb 18 j 06:04	1° X 38'53	
morning max el	-12287 Mar 29 j 06:25	19° X 56'20	19°06'26	transit end	-12286 Feb 18 j 12:38	1° X 28'59	
	-12287 Apr 05 j 23:06	0° Z			-12286 Feb 21 j 01:25	30° R O	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning rise	-12286 Feb 27 j 11:06	27° \mathbb{M} 28'28		min. Earth dist.	-12285 Jan 29 j 05:24	12° \mathbb{M} 28'57	0.55470 AU
direct	-12286 Mar 01 j 15:11	27° \mathbb{M} 16'28		desc. node	-12285 Feb 04 j 16:57	9° \mathbb{M} 11'07	
	-12286 Mar 09 j 09:09	0° \mathbb{A}		morning rise	-12285 Feb 07 j 19:49	8° \mathbb{M} 16'40	
morning max el	-12286 Mar 12 j 01:28	2° \mathbb{A} 13'13	20°06'22	direct	-12285 Feb 10 j 08:14	8° \mathbb{M} 02'15	
asc. node	-12286 Mar 29 j 13:40	29° \mathbb{A} 56'42		morning max el	-12285 Feb 22 j 09:21	13° \mathbb{M} 49'28	21°24'54
	-12286 Mar 29 j 14:20	0° \mathbb{B}			-12285 Mar 06 j 05:59	0° \mathbb{A}	
morning set	-12286 Mar 30 j 02:50	1° \mathbb{B} 03'03		morning set	-12285 Mar 14 j 10:57	15° \mathbb{A} 48'31	
				asc. node	-12285 Mar 16 j 10:43	19° \mathbb{A} 56'21	
superior conj	-12286 Apr 07 j 01:19	17° \mathbb{B} 09'56	1°11'07		-12285 Mar 21 j 06:13	0° \mathbb{B}	
minimum elong	-12286 Apr 06 j 22:29	16° \mathbb{B} 55'43	1°10'03				
max. Earth dist.	-12286 Apr 12 j 03:41	27° \mathbb{B} 09'33	1.36539 AU	superior conj	-12285 Mar 21 j 22:19	1° \mathbb{B} 23'30	0°49'07
	-12286 Apr 13 j 15:36	0° \mathbb{C}		minimum elong	-12285 Mar 21 j 20:15	1° \mathbb{B} 12'45	0°48'02
evening rise	-12286 Apr 16 j 07:35	4° \mathbb{C} 56'46		max. Earth dist.	-12285 Mar 25 j 16:30	9° \mathbb{B} 03'35	1.35106 AU
	-12286 May 01 j 05:32	0° \mathbb{H}		evening rise	-12285 Mar 30 j 08:26	18° \mathbb{B} 11'16	
desc. node	-12286 May 16 j 18:55	21° \mathbb{H} 26'47			-12285 Apr 05 j 19:23	0° \mathbb{C}	
evening max el	-12286 May 22 j 03:19	27° \mathbb{H} 19'21	25°52'27		-12285 Apr 25 j 09:04	0° \mathbb{H}	
	-12286 May 25 j 01:01	0° \mathbb{Y}		desc. node	-12285 May 03 j 16:18	9° \mathbb{H} 43'52	
retrograde	-12286 Jun 03 j 12:10	4° \mathbb{Y} 31'32		evening max el	-12285 May 04 j 13:52	10° \mathbb{H} 38'02	26°49'26
evening set	-12286 Jun 09 j 17:22	1° \mathbb{Y} 49'55		retrograde	-12285 May 17 j 16:17	18° \mathbb{H} 06'57	
	-12286 Jun 11 j 13:29	30° \mathbb{R} \mathbb{H}		evening set	-12285 May 24 j 08:30	15° \mathbb{H} 19'59	
min. Earth dist.	-12286 Jun 13 j 22:10	27° \mathbb{H} 09'29	0.66379 AU	min. Earth dist.	-12285 May 28 j 05:55	11° \mathbb{H} 18'25	0.65384 AU
inferior conj	-12286 Jun 15 j 03:36	25° \mathbb{H} 34'57	-2°43'52	inferior conj	-12285 May 30 j 01:27	9° \mathbb{H} 08'05	-3°08'52
minimum elong	-12286 Jun 15 j 05:51	25° \mathbb{H} 27'43	2°43'27	minimum elong	-12285 May 30 j 03:17	9° \mathbb{H} 02'33	3°08'53
morning rise	-12286 Jun 20 j 18:23	19° \mathbb{H} 40'05		morning rise	-12285 Jun 04 j 22:21	3° \mathbb{H} 27'33	
direct	-12286 Jun 24 j 04:06	18° \mathbb{H} 32'53		direct	-12285 Jun 08 j 00:54	2° \mathbb{H} 33'34	
asc. node	-12286 Jun 25 j 14:25	18° \mathbb{H} 44'13		asc. node	-12285 Jun 12 j 11:10	4° \mathbb{H} 16'08	
morning max el	-12286 Jul 01 j 07:48	22° \mathbb{H} 39'00	19°23'16	morning max el	-12285 Jun 14 j 16:58	6° \mathbb{H} 14'50	18°38'50
	-12286 Jul 07 j 06:09	0° \mathbb{Y}			-12285 Jun 30 j 23:10	0° \mathbb{Y}	
morning set	-12286 Jul 24 j 22:24	27° \mathbb{Y} 05'05		morning set	-12285 Jul 05 j 02:27	6° \mathbb{Y} 44'31	
	-12286 Jul 26 j 18:51	0° \mathbb{B}			-12285 Jul 19 j 13:46	0° \mathbb{B}	
max. Earth dist.	-12286 Aug 07 j 23:21	19° \mathbb{B} 13'56	1.44415 AU				
superior conj	-12286 Aug 10 j 06:55	22° \mathbb{B} 54'46	0°13'58	superior conj	-12285 Jul 20 j 07:03	1° \mathbb{B} 08'33	0°57'40
minimum elong	-12286 Aug 10 j 08:38	23° \mathbb{B} 01'37	0°14'19	minimum elong	-12285 Jul 20 j 13:10	1° \mathbb{B} 32'48	0°57'24
behind sun begin	-12286 Aug 10 j 03:10	22° \mathbb{B} 39'49		max. Earth dist.	-12285 Jul 21 j 16:12	3° \mathbb{B} 19'54	1.44549 AU
behind sun end	-12286 Aug 10 j 14:07	23° \mathbb{B} 23'26		desc. node	-12285 Jul 30 j 12:46	17° \mathbb{B} 19'58	
desc. node	-12286 Aug 12 j 15:24	26° \mathbb{B} 40'09		evening rise	-12285 Aug 05 j 17:09	27° \mathbb{B} 07'00	
	-12286 Aug 14 j 17:15	0° \mathbb{H}			-12285 Aug 07 j 12:50	0° \mathbb{H}	
evening rise	-12286 Aug 25 j 06:09	17° \mathbb{H} 09'44		evening max el	-12285 Aug 28 j 04:03	0° \mathbb{B} 02'38	19°10'16
	-12286 Sep 02 j 01:32	0° \mathbb{B}			-12285 Aug 28 j 03:02	0° \mathbb{B}	
evening max el	-12286 Sep 13 j 17:10	16° \mathbb{B} 32'15	18°32'08	retrograde	-12285 Sep 04 j 03:54	4° \mathbb{B} 01'19	
retrograde	-12286 Sep 20 j 09:03	20° \mathbb{B} 13'40		evening set	-12285 Sep 07 j 08:32	3° \mathbb{B} 02'34	
asc. node	-12286 Sep 21 j 14:57	20° \mathbb{B} 05'05		asc. node	-12285 Sep 08 j 11:59	2° \mathbb{B} 13'41	
evening set	-12286 Sep 23 j 06:00	19° \mathbb{B} 28'13			-12285 Sep 10 j 18:44	30° \mathbb{R} \mathbb{H}	
inferior conj	-12286 Sep 29 j 08:04	13° \mathbb{B} 50'54	2°16'46	inferior conj	-12285 Sep 13 j 02:33	27° \mathbb{H} 11'58	1°25'03
minimum elong	-12286 Sep 29 j 05:00	13° \mathbb{B} 59'48	2°16'28	minimum elong	-12285 Sep 13 j 00:36	27° \mathbb{H} 18'05	1°25'05
min. Earth dist.	-12286 Oct 01 j 06:06	11° \mathbb{B} 37'24	0.64464 AU	min. Earth dist.	-12285 Sep 14 j 12:15	25° \mathbb{H} 26'21	0.65599 AU
morning rise	-12286 Oct 05 j 03:23	7° \mathbb{B} 44'05		morning rise	-12285 Sep 18 j 16:15	20° \mathbb{H} 56'17	
direct	-12286 Oct 11 j 20:50	5° \mathbb{B} 00'46		direct	-12285 Sep 24 j 21:53	18° \mathbb{H} 18'48	
morning max el	-12286 Oct 25 j 03:37	12° \mathbb{B} 31'32	27°09'42	morning max el	-12285 Oct 07 j 14:06	25° \mathbb{H} 40'45	26°18'39
	-12286 Nov 08 j 08:37	0° \mathbb{Q}			-12285 Oct 11 j 14:43	0° \mathbb{B}	
desc. node	-12286 Nov 08 j 14:59	0° \mathbb{Q} 22'53		desc. node	-12285 Oct 26 j 11:42	19° \mathbb{B} 59'31	
	-12286 Nov 26 j 12:22	0° \mathbb{H}			-12285 Nov 01 j 20:21	0° \mathbb{Q}	
morning set	-12286 Nov 29 j 08:14	5° \mathbb{H} 24'00		morning set	-12285 Nov 12 j 12:12	18° \mathbb{Q} 39'05	
max. Earth dist.	-12286 Dec 04 j 03:24	15° \mathbb{H} 00'02	1.34254 AU	max. Earth dist.	-12285 Nov 16 j 16:55	26° \mathbb{Q} 40'29	1.35555 AU
					-12285 Nov 18 j 09:20	0° \mathbb{H}	
superior conj	-12286 Dec 07 j 10:37	21° \mathbb{H} 52'20	-1°24'50	superior conj	-12285 Nov 21 j 10:29	6° \mathbb{H} 09'05	-1°34'14
minimum elong	-12286 Dec 07 j 12:28	22° \mathbb{H} 02'00	1°24'33	minimum elong	-12285 Nov 21 j 11:36	6° \mathbb{H} 14'49	1°33'53
	-12286 Dec 11 j 06:37	0° \mathbb{Q}		evening rise	-12285 Nov 29 j 01:38	21° \mathbb{H} 55'57	
evening rise	-12286 Dec 14 j 17:21	7° \mathbb{Q} 16'24			-12285 Dec 03 j 02:09	0° \mathbb{Q}	
asc. node	-12286 Dec 18 j 12:51	15° \mathbb{Q} 01'29		asc. node	-12285 Dec 05 j 10:13	4° \mathbb{Q} 25'12	
	-12286 Dec 27 j 00:52	0° \mathbb{M}		evening max el	-12285 Dec 18 j 00:22	22° \mathbb{Q} 17'14	20°38'07
evening max el	-12285 Jan 04 j 21:29	10° \mathbb{M} 56'46	22°02'18	retrograde	-12285 Dec 28 j 20:55	27° \mathbb{Q} 22'59	
retrograde	-12285 Jan 17 j 05:40	16° \mathbb{M} 49'05		evening set	-12285 Dec 31 j 13:48	27° \mathbb{Q} 05'18	
evening set	-12285 Jan 20 j 08:31	16° \mathbb{M} 27'30		inferior conj	-12284 Jan 09 j 08:18	23° \mathbb{Q} 05'49	3°05'49
inferior conj	-12285 Jan 29 j 10:03	12° \mathbb{M} 22'18	1°35'13	minimum elong	-12284 Jan 09 j 14:05	22° \mathbb{Q} 57'16	3°04'12
minimum elong	-12285 Jan 29 j 13:58	12° \mathbb{M} 16'43	1°33'33	min. Earth dist.	-12284 Jan 10 j 18:53	22° \mathbb{Q} 14'49	0.55767 AU

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning rise	-12284 Jan 18 j 12:57	18° Ω 43'52		morning rise	-12284 Dec 26 j 16:42	30° κ Π	
direct	-12284 Jan 21 j 23:55	18° Ω 17'35		morning rise	-12284 Dec 28 j 05:08	29° Π 23'03	
desc. node	-12284 Jan 22 j 13:40	18° Ω 18'20		direct	-12283 Jan 02 j 00:30	28° Π 30'28	
morning max el	-12284 Feb 04 j 06:44	24° Ω 49'29	22°57'22	desc. node	-12283 Jan 08 j 10:19	0° Ω 04'34	
	-12284 Feb 08 j 23:39	0° Π			-12283 Jan 08 j 06:28	0° Ω	
morning set	-12284 Feb 26 j 22:11	0° Σ 46'53		morning max el	-12283 Jan 15 j 21:54	5° Ω 30'56	24°34'01
	-12284 Feb 26 j 13:11	0° Σ			-12283 Feb 02 j 09:20	0° Π	
asc. node	-12284 Mar 02 j 07:50	10° Σ 06'43		morning set	-12283 Feb 10 j 10:41	15° Π 51'30	
superior conj	-12284 Mar 05 j 02:16	16° Σ 00'55	0°25'46	superior conj	-12283 Feb 17 j 10:45	0° Σ 54'19	0°02'16
minimum elong	-12284 Mar 05 j 01:11	15° Σ 55'10	0°24'50	minimum elong	-12283 Feb 17 j 10:41	0° Σ 53'59	0°01'36
max. Earth dist.	-12284 Mar 07 j 15:14	21° Σ 22'06	1.34020 AU	behind sun begin	-12283 Feb 17 j 05:36	0° Σ 26'30	
	-12284 Mar 11 j 20:32	0° Σ		behind sun end	-12283 Feb 17 j 15:46	1° Σ 21'26	
evening rise	-12284 Mar 12 j 22:09	2° Σ 07'07		asc. node	-12283 Feb 17 j 05:02	0° Σ 23'26	
	-12284 Mar 28 j 17:12	0° \approx			-12283 Feb 17 j 00:42	0° Σ	
evening max el	-12284 Apr 16 j 00:25	23° \approx 43'41	27°22'03	max. Earth dist.	-12283 Feb 18 j 22:17	4° Σ 05'46	1.33280 AU
desc. node	-12284 Apr 19 j 13:38	26° \approx 53'21		evening rise	-12283 Feb 24 j 20:58	16° Σ 32'23	
	-12284 Apr 24 j 09:09	0° X			-12283 Mar 03 j 20:43	0° Σ	
retrograde	-12284 Apr 29 j 15:03	1° X 19'08			-12283 Mar 23 j 12:11	0° \approx	
	-12284 May 04 j 12:06	30° κ \approx		evening max el	-12283 Mar 29 j 09:10	6° \approx 25'59	27°24'30
evening set	-12284 May 06 j 13:03	28° \approx 38'51		desc. node	-12283 Apr 06 j 10:52	12° \approx 28'49	
min. Earth dist.	-12284 May 10 j 05:43	25° \approx 11'26	0.63991 AU	retrograde	-12283 Apr 12 j 07:28	13° \approx 59'59	
inferior conj	-12284 May 12 j 15:55	22° \approx 32'39	-3°23'04	evening set	-12283 Apr 19 j 03:46	11° \approx 39'46	
minimum elong	-12284 May 12 j 16:46	22° \approx 30'17	3°23'29	min. Earth dist.	-12283 Apr 22 j 20:46	8° \approx 36'56	0.62253 AU
morning rise	-12284 May 18 j 21:16	17° \approx 08'41		inferior conj	-12283 Apr 25 j 20:05	5° \approx 43'26	-3°22'51
direct	-12284 May 21 j 18:02	16° \approx 26'05		minimum elong	-12283 Apr 25 j 19:24	5° \approx 45'05	3°23'26
morning max el	-12284 May 28 j 05:43	19° \approx 52'37	18°11'34	morning rise	-12283 May 02 j 12:31	0° \approx 37'44	
asc. node	-12284 May 29 j 07:54	21° \approx 02'06		direct	-12283 May 05 j 04:30	0° \approx 04'54	
	-12284 Jun 04 j 19:30	0° X		morning max el	-12283 May 11 j 19:39	3° \approx 27'27	18°02'23
morning set	-12284 Jun 15 j 07:43	17° X 33'29		asc. node	-12283 May 16 j 04:41	8° \approx 47'05	
	-12284 Jun 22 j 16:49	0° Υ		morning set	-12283 May 28 j 12:07	29° \approx 28'52	
superior conj	-12284 Jun 28 j 16:28	9° Υ 50'37	1°30'18		-12283 May 28 j 19:06	0° X	
minimum elong	-12284 Jun 28 j 22:15	10° Υ 14'06	1°30'00	superior conj	-12283 Jun 09 j 02:15	19° X 44'28	1°46'39
max. Earth dist.	-12284 Jul 03 j 07:18	17° Υ 17'10	1.43986 AU	minimum elong	-12283 Jun 09 j 04:27	19° X 53'45	1°46'26
	-12284 Jul 11 j 08:18	0° B			-12283 Jun 15 j 05:57	0° Υ	
evening rise	-12284 Jul 15 j 02:56	5° B 53'28		max. Earth dist.	-12283 Jun 15 j 18:11	0° Υ 50'02	1.42813 AU
desc. node	-12284 Jul 16 j 10:14	7° B 54'54		evening rise	-12283 Jun 24 j 03:04	14° Υ 13'10	
	-12284 Jul 30 j 23:27	0° Π		desc. node	-12283 Jul 03 j 07:46	28° Υ 21'24	
evening max el	-12284 Aug 10 j 09:54	13° Π 31'29	20°04'14		-12283 Jul 04 j 09:59	0° B	
retrograde	-12284 Aug 18 j 00:32	17° Π 56'22		evening max el	-12283 Jul 24 j 09:08	26° B 57'02	21°11'55
evening set	-12284 Aug 21 j 15:07	16° Π 41'01			-12283 Jul 27 j 20:28	0° Π	
asc. node	-12284 Aug 25 j 08:58	12° Π 56'06		retrograde	-12283 Aug 01 j 20:54	1° Π 56'40	
inferior conj	-12284 Aug 27 j 02:57	10° Π 40'17	0°32'52	evening set	-12283 Aug 05 j 23:34	0° Π 21'44	
minimum elong	-12284 Aug 27 j 02:12	10° Π 42'47	0°33'17		-12283 Aug 06 j 10:13	30° κ B	
min. Earth dist.	-12284 Aug 28 j 01:15	9° Π 26'25	0.66437 AU	inferior conj	-12283 Aug 11 j 07:09	24° B 13'44	-0°17'44
morning rise	-12284 Sep 01 j 13:00	4° Π 19'48		minimum elong	-12283 Aug 11 j 07:30	24° B 12'30	0°17'00
direct	-12284 Sep 07 j 04:52	1° Π 55'11		min. Earth dist.	-12283 Aug 11 j 18:44	23° B 34'06	0.66984 AU
morning max el	-12284 Sep 19 j 00:01	8° Π 55'38	25°07'50	asc. node	-12283 Aug 12 j 05:52	22° B 56'09	
	-12284 Oct 05 j 16:36	0° B		morning rise	-12283 Aug 16 j 15:17	17° B 52'34	
desc. node	-12284 Oct 12 j 08:31	10° B 00'25		direct	-12283 Aug 21 j 17:01	15° B 44'49	
	-12284 Oct 24 j 09:41	0° Ω		morning max el	-12283 Sep 01 j 10:02	22° B 10'55	23°46'15
morning set	-12284 Oct 24 j 22:46	0° Ω 57'59			-12283 Sep 08 j 04:51	0° Π	
max. Earth dist.	-12284 Oct 28 j 20:17	8° Ω 02'18	1.37249 AU	desc. node	-12283 Sep 29 j 05:27	0° B 18'42	
superior conj	-12284 Nov 04 j 01:09	19° Ω 53'20	-1°37'31		-12283 Sep 29 j 00:44	0° B	
minimum elong	-12284 Nov 04 j 01:00	19° Ω 52'33	1°37'02	morning set	-12283 Oct 06 j 10:38	12° B 07'19	
	-12284 Nov 09 j 02:45	0° Π		max. Earth dist.	-12283 Oct 10 j 18:56	19° B 36'22	1.39199 AU
evening rise	-12284 Nov 12 j 05:36	6° Π 17'00			-12283 Oct 16 j 13:16	0° Ω	
asc. node	-12284 Nov 21 j 07:35	23° Π 17'54		superior conj	-12283 Oct 18 j 02:43	2° Ω 54'19	-1°32'47
	-12284 Nov 25 j 20:04	0° Ω		minimum elong	-12283 Oct 18 j 00:48	2° Ω 45'22	1°32'04
evening max el	-12284 Nov 29 j 13:26	4° Ω 11'16	19°30'32	evening rise	-12283 Oct 27 j 02:59	20° Ω 13'54	
retrograde	-12284 Dec 08 j 21:07	8° Ω 35'40			-12283 Nov 01 j 06:04	0° Π	
evening set	-12284 Dec 11 j 10:04	8° Ω 17'32		asc. node	-12283 Nov 08 j 04:57	11° Π 29'40	
inferior conj	-12284 Dec 19 j 17:09	4° Ω 08'44	4°01'04	evening max el	-12283 Nov 12 j 12:25	16° Π 38'13	18°42'34
minimum elong	-12284 Dec 19 j 20:40	4° Ω 02'57	4°00'38	retrograde	-12283 Nov 20 j 14:00	20° Π 33'18	
min. Earth dist.	-12284 Dec 22 j 08:25	2° Ω 25'29	0.56841 AU	evening set	-12283 Nov 23 j 01:32	20° Π 12'29	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

inferior conj	-12283 Nov 30 j 19:54	15° \mathbb{M} 44'50	4°17'17			-12282 Nov 10 j 06:21	30° \mathbb{R} \mathbb{Q}		
minimum elong	-12283 Nov 30 j 19:40	15° \mathbb{M} 45'17	4°17'30	inferior conj	-12282 Nov 12 j 17:49	27° \mathbb{Q} 56'08	4°03'19		
min. Earth dist.	-12283 Dec 03 j 23:49	13° \mathbb{M} 22'52	0.58451 AU	minimum elong	-12282 Nov 12 j 14:56	28° \mathbb{Q} 02'23	4°03'22		
morning rise	-12283 Dec 08 j 11:54	10° \mathbb{M} 36'32		min. Earth dist.	-12282 Nov 15 j 20:37	25° \mathbb{Q} 14'43	0.60282 AU		
direct	-12283 Dec 14 j 12:47	9° \mathbb{M} 07'23		morning rise	-12282 Nov 19 j 16:23	22° \mathbb{Q} 27'40			
desc. node	-12283 Dec 26 j 06:56	14° \mathbb{M} 19'17		direct	-12282 Nov 26 j 11:26	20° \mathbb{Q} 23'11			
morning max el	-12283 Dec 28 j 13:33	16° \mathbb{M} 21'29	26°00'30	morning max el	-12282 Dec 10 j 10:56	27° \mathbb{Q} 45'15	27°02'45		
	-12282 Jan 08 j 17:44	0° \mathbb{L}			-12282 Dec 12 j 16:11	0° \mathbb{M}			
morning set	-12282 Jan 25 j 22:38	0° \mathbb{M} 55'11		desc. node	-12282 Dec 13 j 03:33	0° \mathbb{M} 30'32			
	-12282 Jan 25 j 12:04	0° \mathbb{M}			-12281 Jan 02 j 05:18	0° \mathbb{L}			
				morning set	-12281 Jan 10 j 08:12	15° \mathbb{L} 51'33			
					-12281 Jan 16 j 22:38	0° \mathbb{M}			
superior conj	-12282 Feb 01 j 21:48	15° \mathbb{M} 56'11	-0°20'34						
minimum elong	-12282 Feb 01 j 22:38	16° \mathbb{M} 00'46	0°20'55	superior conj	-12281 Jan 17 j 09:43	1° \mathbb{M} 00'28	-0°41'55		
max. Earth dist.	-12282 Feb 02 j 10:24	17° \mathbb{M} 04'54	1.32874 AU	minimum elong	-12281 Jan 17 j 11:15	1° \mathbb{M} 08'55	0°41'59		
asc. node	-12282 Feb 04 j 02:19	20° \mathbb{M} 41'53		max. Earth dist.	-12281 Jan 16 j 23:59	0° \mathbb{M} 07'20	1.32794 AU		
	-12282 Feb 08 j 11:11	0° \mathbb{X}		asc. node	-12281 Jan 21 j 23:39	10° \mathbb{M} 57'53			
evening rise	-12282 Feb 09 j 01:56	1° \mathbb{X} 16'27		evening rise	-12281 Jan 24 j 10:49	16° \mathbb{M} 11'32			
	-12282 Feb 24 j 22:40	0° \mathbb{Z}			-12281 Jan 31 j 10:15	0° \mathbb{X}			
evening max el	-12282 Mar 11 j 13:46	18° \mathbb{Z} 34'19	26°54'04		-12281 Feb 21 j 10:33	0° \mathbb{Z}			
desc. node	-12282 Mar 24 j 07:59	25° \mathbb{Z} 56'36		evening max el	-12281 Feb 21 j 12:40	0° \mathbb{Z} 05'06	25°52'55		
retrograde	-12282 Mar 25 j 16:00	26° \mathbb{Z} 01'16		retrograde	-12281 Mar 07 j 14:51	7° \mathbb{Z} 19'52			
evening set	-12282 Apr 01 j 01:25	24° \mathbb{Z} 11'50		desc. node	-12281 Mar 11 j 04:58	6° \mathbb{Z} 48'19			
min. Earth dist.	-12282 Apr 05 j 03:02	21° \mathbb{Z} 20'30	0.60302 AU	evening set	-12281 Mar 13 j 04:14	6° \mathbb{Z} 04'53			
inferior conj	-12282 Apr 08 j 10:23	18° \mathbb{Z} 31'48	-3°03'08	min. Earth dist.	-12281 Mar 18 j 01:59	3° \mathbb{Z} 10'59	0.58357 AU		
minimum elong	-12282 Apr 08 j 07:56	18° \mathbb{Z} 37'03	3°03'32	inferior conj	-12281 Mar 21 j 07:13	0° \mathbb{Z} 49'04	-2°17'57		
morning rise	-12282 Apr 15 j 16:50	13° \mathbb{Z} 45'43		minimum elong	-12281 Mar 21 j 03:43	0° \mathbb{Z} 55'32	2°17'54		
direct	-12282 Apr 18 j 04:29	13° \mathbb{Z} 21'12			-12281 Mar 22 j 10:02	30° \mathbb{R} \mathbb{X}			
morning max el	-12282 Apr 25 j 08:05	16° \mathbb{Z} 51'47	18°11'58	morning rise	-12281 Mar 29 j 06:21	26° \mathbb{X} 22'43			
asc. node	-12282 May 03 j 01:32	27° \mathbb{Z} 17'24		direct	-12281 Mar 31 j 13:40	26° \mathbb{X} 05'04			
	-12282 May 04 j 16:00	0° \mathbb{X}		morning max el	-12281 Apr 08 j 16:09	29° \mathbb{X} 57'31	18°40'56		
morning set	-12282 May 11 j 10:53	12° \mathbb{X} 19'30			-12281 Apr 08 j 17:11	0° \mathbb{Z}			
	-12282 May 21 j 01:46	0° \mathbb{X}		asc. node	-12281 Apr 19 j 22:26	16° \mathbb{Z} 22'43			
superior conj	-12282 May 21 j 14:36	0° \mathbb{X} 57'18	1°48'12	morning set	-12281 Apr 24 j 23:26	25° \mathbb{Z} 54'29			
minimum elong	-12282 May 21 j 13:32	0° \mathbb{X} 52'32	1°47'47		-12281 Apr 27 j 02:10	0° \mathbb{X}			
max. Earth dist.	-12282 May 28 j 23:47	13° \mathbb{X} 46'19	1.41188 AU						
evening rise	-12282 Jun 03 j 16:22	23° \mathbb{X} 11'07		superior conj	-12281 May 04 j 01:17	13° \mathbb{X} 19'07	1°38'55		
	-12282 Jun 07 j 22:44	0° \mathbb{Y}		minimum elong	-12281 May 03 j 22:33	13° \mathbb{X} 06'20	1°38'12		
desc. node	-12282 Jun 20 j 05:18	18° \mathbb{Y} 34'13		max. Earth dist.	-12281 May 11 j 00:54	26° \mathbb{X} 01'33	1.39331 AU		
	-12282 Jun 28 j 10:17	0° \mathbb{X}			-12281 May 13 j 07:32	0° \mathbb{X}			
evening max el	-12282 Jul 07 j 01:36	10° \mathbb{X} 18'18	22°29'47	evening rise	-12281 May 15 j 07:58	3° \mathbb{X} 27'24			
retrograde	-12282 Jul 16 j 15:26	15° \mathbb{X} 58'57			-12281 Jun 01 j 03:41	0° \mathbb{Y}			
evening set	-12282 Jul 21 j 07:51	14° \mathbb{X} 02'40		desc. node	-12281 Jun 07 j 02:48	8° \mathbb{Y} 27'33			
inferior conj	-12282 Jul 26 j 13:13	7° \mathbb{X} 49'50	-1°05'14	evening max el	-12281 Jun 19 j 13:01	23° \mathbb{Y} 37'38	23°52'10		
minimum elong	-12282 Jul 26 j 14:30	7° \mathbb{X} 45'22	1°04'20	retrograde	-12281 Jun 30 j 06:59	0° \mathbb{X} 00'20			
min. Earth dist.	-12282 Jul 26 j 14:12	7° \mathbb{X} 46'25	0.67231 AU		-12281 Jun 30 j 00:24	0° \mathbb{Y}			
asc. node	-12282 Jul 30 j 02:43	3° \mathbb{X} 14'20			-12281 Jun 30 j 13:31	30° \mathbb{R} \mathbb{Y}			
morning rise	-12282 Jul 31 j 21:04	1° \mathbb{X} 31'50		evening set	-12281 Jul 05 j 14:05	27° \mathbb{Y} 43'06			
	-12282 Aug 03 j 13:15	30° \mathbb{R} \mathbb{Y}		inferior conj	-12281 Jul 10 j 19:25	21° \mathbb{Y} 27'37	-1°48'18		
direct	-12282 Aug 05 j 09:26	29° \mathbb{Y} 42'25		minimum elong	-12281 Jul 10 j 21:21	21° \mathbb{Y} 20'58	1°47'26		
	-12282 Aug 07 j 07:35	0° \mathbb{X}		min. Earth dist.	-12281 Jul 10 j 09:21	22° \mathbb{Y} 02'02	0.67168 AU		
morning max el	-12282 Aug 14 j 22:34	5° \mathbb{X} 26'54	22°22'35	morning rise	-12281 Jul 16 j 04:35	15° \mathbb{Y} 16'12			
	-12282 Sep 02 j 13:48	0° \mathbb{I}		asc. node	-12281 Jul 16 j 23:30	14° \mathbb{Y} 43'31			
desc. node	-12282 Sep 16 j 02:31	20° \mathbb{I} 48'46		direct	-12281 Jul 20 j 05:03	13° \mathbb{Y} 44'37			
morning set	-12282 Sep 16 j 20:18	22° \mathbb{I} 00'16		morning max el	-12281 Jul 28 j 16:14	18° \mathbb{Y} 47'03	21°04'02		
	-12282 Sep 21 j 17:24	0° \mathbb{S}			-12281 Aug 06 j 16:18	0° \mathbb{X}			
max. Earth dist.	-12282 Sep 22 j 20:09	1° \mathbb{S} 51'58	1.41150 AU		-12281 Aug 26 j 18:29	0° \mathbb{I}			
				morning set	-12281 Aug 27 j 07:19	0° \mathbb{I} 50'08			
superior conj	-12282 Sep 30 j 10:01	14° \mathbb{S} 58'05	-1°17'49	desc. node	-12281 Sep 02 j 23:39	11° \mathbb{I} 25'50			
minimum elong	-12282 Sep 30 j 06:24	14° \mathbb{S} 41'59	1°16'47	max. Earth dist.	-12281 Sep 05 j 03:09	14° \mathbb{I} 54'13	1.42830 AU		
	-12282 Oct 08 j 15:38	0° \mathbb{Q}							
evening rise	-12282 Oct 10 j 14:45	3° \mathbb{Q} 39'32		superior conj	-12281 Sep 11 j 17:08	25° \mathbb{I} 48'35	-0°50'44		
asc. node	-12282 Oct 26 j 02:14	28° \mathbb{Q} 48'07		minimum elong	-12281 Sep 11 j 13:09	25° \mathbb{I} 31'49	0°49'33		
evening max el	-12282 Oct 26 j 19:15	29° \mathbb{Q} 31'55	18°14'54		-12281 Sep 14 j 04:18	0° \mathbb{S}			
	-12282 Oct 27 j 06:59	0° \mathbb{M}		evening rise	-12281 Sep 23 j 12:50	16° \mathbb{S} 23'24			
retrograde	-12282 Nov 03 j 00:31	3° \mathbb{M} 10'31			-12281 Oct 01 j 07:02	0° \mathbb{Q}			
evening set	-12282 Nov 05 j 12:01	2° \mathbb{M} 45'37		evening max el	-12281 Oct 10 j 07:00	12° \mathbb{Q} 43'51	18°06'58		

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

asc. node	-12281 Oct 12 j 23:27	14°Ω57'24		evening max el	-12280 Sep 22 j 20:42	26°Ω07'26	18°17'48
retrograde	-12281 Oct 17 j 01:04	16°Ω16'35		asc. node	-12280 Sep 28 j 20:36	29°Ω41'17	
evening set	-12281 Oct 19 j 14:23	15°Ω45'51		retrograde	-12280 Sep 29 j 11:25	29°Ω43'19	
inferior conj	-12281 Oct 26 j 08:25	10°Ω35'46	3°29'52	evening set	-12280 Oct 02 j 04:51	29°Ω04'13	
minimum elong	-12281 Oct 26 j 04:35	10°Ω45'13	3°29'36	inferior conj	-12280 Oct 08 j 12:20	23°Ω36'11	2°45'15
min. Earth dist.	-12281 Oct 29 j 02:10	7°Ω54'01	0.62077 AU	minimum elong	-12280 Oct 08 j 08:47	23°Ω45'57	2°44'53
morning rise	-12281 Nov 01 j 17:40	4°Ω49'42		min. Earth dist.	-12280 Oct 10 j 17:52	21°Ω09'04	0.63675 AU
direct	-12281 Nov 08 j 18:57	2°Ω19'40		morning rise	-12280 Oct 14 j 11:53	17°Ω35'50	
morning max el	-12281 Nov 22 j 14:47	9°Ω48'39	27°32'08	direct	-12280 Oct 21 j 10:09	14°Ω53'23	
desc. node	-12281 Nov 30 j 00:10	18°Ω05'55		morning max el	-12280 Nov 03 j 23:03	22°Ω25'58	27°26'55
	-12281 Dec 08 j 11:46	0°♊			-12280 Nov 10 j 18:29	0°Ω	
	-12281 Dec 25 j 06:58	0°♊		desc. node	-12280 Nov 15 j 20:50	6°Ω41'20	
morning set	-12281 Dec 25 j 13:14	0°♊31'52			-12280 Nov 30 j 14:21	0°♊	
max. Earth dist.	-12281 Dec 31 j 11:02	12°♊57'47	1.33056 AU	morning set	-12280 Dec 08 j 11:13	14°♊47'31	
				max. Earth dist.	-12280 Dec 13 j 15:51	25°♊24'18	1.33696 AU
					-12280 Dec 15 j 19:59	0°♊	
superior conj	-12280 Jan 01 j 20:45	16°♊00'07	-1°01'04	superior conj	-12280 Dec 16 j 05:10	0°♊48'52	-1°17'15
minimum elong	-12280 Jan 01 j 22:43	16°♊10'46	1°00'57	minimum elong	-12280 Dec 16 j 07:10	0°♊59'37	1°17'01
	-12280 Jan 08 j 08:27	0°♋		evening rise	-12280 Dec 23 j 08:49	16°♊04'54	
evening rise	-12280 Jan 08 j 21:40	1°♋09'38		asc. node	-12280 Dec 25 j 18:21	21°♊01'43	
asc. node	-12280 Jan 08 j 21:00	1°♋06'07			-12280 Dec 30 j 09:29	0°♋	
	-12280 Jan 24 j 23:49	0°♋		evening max el	-12279 Jan 15 j 00:16	21°♋56'53	22°55'32
evening max el	-12280 Feb 03 j 06:46	11°♋05'35	24°29'14	retrograde	-12279 Jan 28 j 01:34	28°♋14'46	
retrograde	-12280 Feb 17 j 02:19	17°♋59'05		evening set	-12279 Jan 31 j 13:41	27°♋47'56	
evening set	-12280 Feb 21 j 14:01	17°♋13'39		min. Earth dist.	-12279 Feb 08 j 12:03	24°♋11'26	0.55687 AU
desc. node	-12280 Feb 26 j 01:52	15°♋08'26		inferior conj	-12279 Feb 09 j 15:29	23°♋31'20	0°35'16
min. Earth dist.	-12280 Feb 27 j 20:13	14°♋04'26	0.56712 AU	minimum elong	-12279 Feb 09 j 16:57	23°♋29'12	0°34'13
inferior conj	-12280 Mar 01 j 08:16	12°♋28'03	-1°03'22	desc. node	-12279 Feb 11 j 22:43	22°♋12'14	
minimum elong	-12280 Mar 01 j 05:56	12°♋31'49	1°03'21	morning rise	-12279 Feb 18 j 21:46	19°♋27'50	
morning rise	-12280 Mar 10 j 00:57	8°♋18'04		direct	-12279 Feb 21 j 03:37	19°♋15'43	
direct	-12280 Mar 12 j 04:48	8°♋05'06		morning max el	-12279 Mar 04 j 07:17	24°♋34'23	20°37'45
morning max el	-12280 Mar 21 j 16:48	12°♋34'39	19°29'39		-12279 Mar 09 j 01:41	0°♌	
	-12280 Apr 02 j 17:05	0°♌		morning set	-12279 Mar 23 j 03:10	24°♌37'16	
asc. node	-12280 Apr 05 j 19:24	5°♌54'11		asc. node	-12279 Mar 23 j 16:24	25°♌44'52	
morning set	-12280 Apr 07 j 21:53	10°♌03'24			-12279 Mar 25 j 17:59	0°♌	
				superior conj	-12279 Mar 30 j 20:26	10°♌29'30	1°02'03
superior conj	-12280 Apr 16 j 04:47	26°♌34'26	1°22'36	minimum elong	-12279 Mar 30 j 17:52	10°♌16'29	1°00'56
minimum elong	-12280 Apr 16 j 01:44	26°♌19'30	1°21'36	max. Earth dist.	-12279 Apr 04 j 08:36	19°♌29'14	1.35881 AU
	-12280 Apr 17 j 23:05	0°♍		evening rise	-12279 Apr 08 j 17:14	27°♌48'28	
max. Earth dist.	-12280 Apr 22 j 01:38	7°♍46'37	1.37492 AU		-12279 Apr 09 j 21:42	0°♍	
evening rise	-12280 Apr 26 j 02:00	15°♍04'43			-12279 Apr 28 j 03:30	0°♍	
	-12280 May 04 j 20:35	0°♎		desc. node	-12279 May 10 j 21:40	16°♎39'51	
desc. node	-12280 May 24 j 00:14	27°♎53'20		evening max el	-12279 May 14 j 08:33	20°♎19'32	26°19'20
	-12280 May 25 j 16:57	0°♏		retrograde	-12279 May 27 j 01:58	27°♎40'59	
evening max el	-12280 May 31 j 22:30	6°♏58'19	25°11'34	evening set	-12279 Jun 02 j 12:10	24°♎55'54	
retrograde	-12280 Jun 12 j 18:47	13°♏56'32		min. Earth dist.	-12279 Jun 06 j 13:35	20°♎32'04	0.65995 AU
evening set	-12280 Jun 18 j 16:17	11°♏21'53		inferior conj	-12279 Jun 08 j 00:51	18°♎41'42	-2°55'41
min. Earth dist.	-12280 Jun 23 j 01:55	6°♏18'51	0.66766 AU	minimum elong	-12279 Jun 08 j 03:00	18°♎34'59	2°55'26
inferior conj	-12280 Jun 23 j 23:56	5°♏05'54	-2°25'37	morning rise	-12279 Jun 13 j 17:58	12°♎52'27	
minimum elong	-12280 Jun 24 j 02:12	4°♏58'25	2°24'59	direct	-12279 Jun 17 j 00:21	11°♎51'11	
	-12280 Jun 28 j 08:19	30°♏♋		asc. node	-12279 Jun 19 j 17:00	12°♎30'36	
morning rise	-12280 Jun 29 j 12:09	29°♏04'08		morning max el	-12279 Jun 23 j 22:25	15°♎46'01	19°02'20
asc. node	-12280 Jul 02 j 20:16	27°♏49'08			-12279 Jul 04 j 10:41	0°♏	
direct	-12280 Jul 03 j 02:37	27°♏48'45		morning set	-12279 Jul 16 j 01:44	18°♏23'27	
	-12280 Jul 08 j 05:57	0°♏			-12279 Jul 23 j 09:00	0°♏	
morning max el	-12280 Jul 10 j 16:17	2°♏13'40	19°56'04	max. Earth dist.	-12279 Jul 31 j 07:12	12°♏32'36	1.44558 AU
	-12280 Jul 30 j 10:10	0°♐					
morning set	-12280 Aug 05 j 10:36	9°♐20'13		superior conj	-12279 Aug 01 j 01:46	13°♐46'06	0°33'11
max. Earth dist.	-12280 Aug 17 j 15:28	28°♐32'50	1.44014 AU	minimum elong	-12279 Aug 01 j 05:43	14°♐01'45	0°33'13
	-12280 Aug 18 j 13:17	0°♑		desc. node	-12279 Aug 06 j 18:11	22°♐47'25	
desc. node	-12280 Aug 19 j 20:52	2°♑06'33			-12279 Aug 11 j 06:27	0°♑	
				evening rise	-12279 Aug 16 j 18:52	8°♑53'26	
superior conj	-12280 Aug 21 j 20:36	5°♑18'47	-0°11'53		-12279 Aug 30 j 00:57	0°♑	
minimum elong	-12280 Aug 21 j 19:22	5°♑13'49	0°11'04	evening max el	-12279 Sep 06 j 09:28	9°♑36'51	18°46'21
behind sun begin	-12280 Aug 21 j 11:24	4°♑41'37		retrograde	-12279 Sep 13 j 03:55	13°♑24'21	
behind sun end	-12280 Aug 22 j 03:20	5°♑46'03					
evening rise	-12280 Sep 04 j 16:08	28°♑12'58					
	-12280 Sep 05 j 17:23	0°♒					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

asc. node	-12279 Sep 15 j 17:41	12°♄46'56			-12278 Aug 04 j 06:10	0°♄	
evening set	-12279 Sep 16 j 03:51	12°♄33'43		greatest brilliancy	-12278 Aug 07 j 04:09	4°♄29'52	-0.7m
inferior conj	-12279 Sep 22 j 02:18	6°♄50'41	1°55'02	evening max el	-12278 Aug 20 j 18:36	23°♄07'23	19°31'25
minimum elong	-12279 Sep 21 j 23:41	6°♄58'33	1°54'51	retrograde	-12278 Aug 27 j 23:43	27°♄15'37	
min. Earth dist.	-12279 Sep 23 j 19:05	4°♄48'09	0.64991 AU	evening set	-12278 Aug 31 j 08:25	26°♄10'04	
morning rise	-12279 Sep 27 j 18:58	0°♄39'40		asc. node	-12278 Sep 02 j 14:42	24°♄15'32	
	-12279 Sep 28 j 15:13	30°♄		inferior conj	-12278 Sep 05 j 23:35	20°♄14'55	1°02'50
direct	-12279 Oct 04 j 07:57	27°♄57'23		minimum elong	-12278 Sep 05 j 22:09	20°♄19'33	1°03'01
	-12279 Oct 10 j 15:59	0°♄		min. Earth dist.	-12278 Sep 07 j 04:19	18°♄42'34	0.66001 AU
morning max el	-12279 Oct 17 j 09:07	5°♄25'56	26°50'46	morning rise	-12278 Sep 11 j 11:32	13°♄56'59	
desc. node	-12279 Nov 02 j 17:32	25°♄59'13		direct	-12278 Sep 17 j 11:35	11°♄24'17	
	-12279 Nov 05 j 09:38	0°♄		morning max el	-12278 Sep 29 j 19:14	18°♄37'49	25°50'21
morning set	-12279 Nov 21 j 22:56	28°♄28'03			-12278 Oct 09 j 12:23	0°♄	
	-12279 Nov 22 j 18:04	0°♄		desc. node	-12278 Oct 20 j 14:17	15°♄47'09	
max. Earth dist.	-12279 Nov 26 j 11:14	7°♄19'56	1.34753 AU		-12278 Oct 29 j 09:41	0°♄	
				morning set	-12278 Nov 04 j 20:07	11°♄20'40	
superior conj	-12279 Nov 30 j 08:53	15°♄19'53	-1°29'28	max. Earth dist.	-12278 Nov 08 j 20:08	18°♄49'51	1.36237 AU
minimum elong	-12279 Nov 30 j 10:29	15°♄28'13	1°29'10				
	-12279 Dec 07 j 08:40	0°♄		superior conj	-12278 Nov 14 j 05:18	29°♄24'14	-1°36'30
evening rise	-12279 Dec 07 j 18:40	0°♄51'53		minimum elong	-12278 Nov 14 j 05:57	29°♄27'29	1°36'06
asc. node	-12279 Dec 12 j 15:44	10°♄39'06			-12278 Nov 14 j 12:24	0°♄	
	-12279 Dec 25 j 00:42	0°♄		evening rise	-12278 Nov 22 j 01:24	15°♄24'27	
evening max el	-12279 Dec 27 j 22:38	3°♄02'33	21°24'54	asc. node	-12278 Nov 29 j 13:08	29°♄50'43	
retrograde	-12278 Jan 08 j 16:20	8°♄34'24			-12278 Nov 29 j 15:14	0°♄	
evening set	-12278 Jan 11 j 13:54	8°♄15'18		evening max el	-12278 Dec 10 j 05:45	14°♄36'50	20°07'04
inferior conj	-12278 Jan 20 j 13:21	4°♄15'08	2°16'58	retrograde	-12278 Dec 20 j 09:49	19°♄23'33	
minimum elong	-12278 Jan 20 j 18:34	4°♄07'40	2°15'05	evening set	-12278 Dec 23 j 00:50	19°♄05'52	
min. Earth dist.	-12278 Jan 21 j 02:16	3°♄56'40	0.55490 AU	inferior conj	-12278 Dec 31 j 14:45	15°♄03'57	3°34'13
morning rise	-12278 Jan 29 j 22:38	0°♄03'51		minimum elong	-12278 Dec 31 j 19:59	14°♄55'55	3°33'05
desc. node	-12278 Jan 29 j 19:29	0°♄05'31		min. Earth dist.	-12277 Jan 02 j 15:19	13°♄49'48	0.56143 AU
	-12278 Jan 30 j 06:27	30°♄		morning rise	-12277 Jan 09 j 13:22	10°♄32'38	
direct	-12278 Feb 01 j 19:04	29°♄45'44		direct	-12277 Jan 13 j 13:49	9°♄56'56	
	-12278 Feb 04 j 06:37	0°♄		desc. node	-12277 Jan 16 j 16:11	10°♄18'49	
morning max el	-12278 Feb 14 j 10:22	5°♄53'58	22°02'55	morning max el	-12277 Jan 27 j 04:13	16°♄42'23	23°38'46
	-12278 Mar 02 j 19:26	0°♄			-12277 Feb 06 j 18:18	0°♄	
morning set	-12278 Mar 07 j 12:53	9°♄29'14		morning set	-12277 Feb 20 j 00:55	24°♄31'12	
asc. node	-12278 Mar 10 j 13:29	15°♄49'44			-12277 Feb 22 j 14:59	0°♄	
				asc. node	-12277 Feb 25 j 10:40	6°♄03'20	
superior conj	-12278 Mar 14 j 20:44	24°♄54'19	0°39'18				
minimum elong	-12278 Mar 14 j 19:04	24°♄45'35	0°38'16	superior conj	-12277 Feb 27 j 02:53	9°♄39'15	0°15'45
	-12278 Mar 17 j 07:34	0°♄		minimum elong	-12277 Feb 27 j 02:14	9°♄35'47	0°14'56
max. Earth dist.	-12278 Mar 18 j 01:51	1°♄33'46	1.34602 AU	behind sun begin	-12277 Feb 27 j 00:34	9°♄26'51	
evening rise	-12278 Mar 23 j 00:10	11°♄22'46		behind sun end	-12277 Feb 27 j 03:54	9°♄44'42	
	-12278 Apr 02 j 07:20	0°♄		max. Earth dist.	-12277 Mar 01 j 04:45	14°♄04'53	1.33668 AU
	-12278 Apr 23 j 09:50	0°♄		evening rise	-12277 Mar 06 j 18:12	25°♄32'23	
evening max el	-12278 Apr 26 j 19:33	3°♄34'57	27°06'49		-12277 Mar 09 j 00:39	0°♄	
desc. node	-12278 Apr 27 j 19:03	4°♄31'15			-12277 Mar 26 j 18:37	0°♄	
retrograde	-12278 May 10 j 03:51	11°♄07'16		evening max el	-12277 Apr 09 j 05:44	16°♄32'08	27°27'00
evening set	-12278 May 16 j 23:10	8°♄21'54		desc. node	-12277 Apr 14 j 16:21	21°♄04'26	
min. Earth dist.	-12278 May 20 j 18:17	4°♄35'24	0.64837 AU	retrograde	-12277 Apr 22 j 23:44	24°♄06'50	
inferior conj	-12278 May 22 j 19:55	2°♄12'03	-3°16'27	evening set	-12277 Apr 29 j 22:12	21°♄33'34	
minimum elong	-12278 May 22 j 21:25	2°♄07'43	3°16'38	min. Earth dist.	-12277 May 03 j 14:18	18°♄18'08	0.63294 AU
	-12278 May 24 j 19:00	30°♄		inferior conj	-12277 May 06 j 06:24	15°♄31'17	-3°25'01
morning rise	-12278 May 28 j 20:05	26°♄38'00		minimum elong	-12277 May 06 j 06:40	15°♄30'35	3°25'33
direct	-12278 May 31 j 20:04	25°♄48'56		morning rise	-12277 May 12 j 16:07	10°♄14'51	
asc. node	-12278 Jun 06 j 13:45	28°♄35'44		direct	-12277 May 15 j 10:54	9°♄36'25	
morning max el	-12278 Jun 07 j 09:17	29°♄22'42	18°25'02	morning max el	-12277 May 21 j 22:50	12°♄59'31	18°05'26
	-12278 Jun 07 j 23:36	0°♄		asc. node	-12277 May 24 j 10:31	15°♄48'13	
morning set	-12278 Jun 26 j 16:29	28°♄32'14			-12277 Jun 02 j 15:29	0°♄	
	-12278 Jun 27 j 13:40	0°♄		morning set	-12277 Jun 08 j 08:05	9°♄50'28	
					-12277 Jun 20 j 04:13	0°♄	
superior conj	-12278 Jul 11 j 03:10	22°♄04'01	1°13'22				
minimum elong	-12278 Jul 11 j 09:47	22°♄30'26	1°13'01	superior conj	-12277 Jun 20 j 21:52	1°♄13'01	1°39'16
max. Earth dist.	-12278 Jul 13 j 23:45	26°♄37'09	1.44398 AU	minimum elong	-12277 Jun 21 j 02:16	1°♄31'15	1°39'01
	-12278 Jul 16 j 02:56	0°♄		max. Earth dist.	-12277 Jun 26 j 13:55	10°♄27'58	1.43556 AU
desc. node	-12278 Jul 24 j 15:35	13°♄25'30		evening rise	-12277 Jul 06 j 21:17	26°♄45'47	
evening rise	-12278 Jul 27 j 18:14	18°♄18'02			-12277 Jul 08 j 23:24	0°♄	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

desc. node	-12277 Jul 11 j 13:04	3°♄57'18		morning set	-12276 May 20 j 20:48	22°♁09'58	
	-12277 Jul 29 j 08:37	0°♂			-12276 May 25 j 04:37	0°♄	
evening max el	-12277 Aug 03 j 21:47	6°♂35'13	20°31'30				
retrograde	-12277 Aug 11 j 20:31	11°♂13'43		superior conj	-12276 May 31 j 19:12	11°♄40'51	1°48'54
evening set	-12277 Aug 15 j 16:06	9°♂50'08		minimum elong	-12276 May 31 j 19:50	11°♄43'37	1°48'39
asc. node	-12277 Aug 20 j 11:38	4°♂33'31		max. Earth dist.	-12276 Jun 07 j 22:34	23°♄46'01	1.42158 AU
inferior conj	-12277 Aug 21 j 01:51	3°♂45'50	0°11'08		-12276 Jun 11 j 18:04	0°♄	
minimum elong	-12277 Aug 21 j 01:35	3°♂46'42	0°11'41	evening rise	-12276 Jun 15 j 00:18	5°♄13'10	
transit middle	-12277 Aug 21 j 01:35	3°♂46'42	0°11'41	desc. node	-12276 Jun 27 j 10:35	24°♄18'21	
transit begin	-12277 Aug 20 j 23:40	3°♂53'10			-12276 Jul 01 j 07:45	0°♄	
transit end	-12277 Aug 21 j 03:30	3°♂40'14		evening max el	-12276 Jul 16 j 17:51	19°♄57'46	21°44'05
min. Earth dist.	-12277 Aug 21 j 19:26	2°♂46'35	0.66703 AU	retrograde	-12276 Jul 25 j 16:23	25°♄14'57	
	-12277 Aug 23 j 23:17	30°♄		evening set	-12276 Jul 30 j 00:42	23°♄30'57	
morning rise	-12277 Aug 26 j 10:54	27°♄24'45		inferior conj	-12276 Aug 04 j 07:03	17°♄20'19	-0°38'21
direct	-12277 Aug 31 j 20:39	25°♄07'16		minimum elong	-12276 Aug 04 j 07:50	17°♄17'37	0°37'32
	-12277 Sep 10 j 05:37	0°♂		min. Earth dist.	-12276 Aug 04 j 14:05	16°♄56'03	0.67116 AU
morning max el	-12277 Sep 12 j 05:10	1°♂54'00	24°34'04	asc. node	-12276 Aug 06 j 08:31	14°♄33'11	
	-12277 Oct 03 j 14:39	0°♄		morning rise	-12276 Aug 09 j 14:51	10°♄59'57	
desc. node	-12277 Oct 07 j 11:09	5°♄56'34		direct	-12276 Aug 14 j 10:37	9°♄00'09	
morning set	-12277 Oct 17 j 21:46	23°♄12'07		morning max el	-12276 Aug 24 j 16:04	15°♄09'42	23°10'34
	-12277 Oct 21 j 17:47	0°♂			-12276 Sep 05 j 16:29	0°♂	
max. Earth dist.	-12277 Oct 21 j 21:18	0°♂15'56	1.38063 AU	desc. node	-12276 Sep 23 j 08:06	26°♂20'15	
					-12276 Sep 25 j 14:43	0°♄	
superior conj	-12277 Oct 28 j 15:01	12°♂52'10	-1°36'38	morning set	-12276 Sep 27 j 22:41	3°♄49'12	
minimum elong	-12277 Oct 28 j 14:10	12°♂48'00	1°36'03	max. Earth dist.	-12276 Oct 02 j 20:15	12°♄04'55	1.40040 AU
evening rise	-12277 Nov 06 j 02:59	29°♂36'55					
	-12277 Nov 06 j 07:39	0°♄		superior conj	-12276 Oct 10 j 09:27	25°♄30'08	-1°27'50
asc. node	-12277 Nov 16 j 10:30	18°♄27'43		minimum elong	-12276 Oct 10 j 06:45	25°♄17'46	1°26'58
evening max el	-12277 Nov 22 j 23:08	26°♄45'20	19°07'32		-12276 Oct 12 j 19:47	0°♂	
	-12277 Nov 27 j 13:17	0°♄		evening rise	-12276 Oct 19 j 20:41	13°♂21'25	
retrograde	-12277 Dec 01 j 17:02	0°♄56'07			-12276 Oct 29 j 00:24	0°♄	
evening set	-12277 Dec 04 j 05:07	0°♄37'03		asc. node	-12276 Nov 02 j 07:48	6°♄18'28	
	-12277 Dec 06 j 01:51	30°♄		evening max el	-12276 Nov 05 j 01:44	9°♄24'17	18°28'19
inferior conj	-12277 Dec 12 j 06:48	26°♄20'33	4°12'21	retrograde	-12276 Nov 12 j 17:43	13°♄11'08	
minimum elong	-12277 Dec 12 j 08:42	26°♄17'13	4°12'19	evening set	-12276 Nov 15 j 04:52	12°♄48'56	
min. Earth dist.	-12277 Dec 15 j 05:10	24°♄18'59	0.57479 AU	inferior conj	-12276 Nov 22 j 17:51	8°♄12'12	4°14'24
morning rise	-12277 Dec 20 j 10:15	21°♄24'52		minimum elong	-12276 Nov 22 j 16:17	8°♄15'21	4°14'36
direct	-12277 Dec 25 j 18:56	20°♄17'45		min. Earth dist.	-12276 Nov 25 j 22:42	5°♄39'13	0.59219 AU
desc. node	-12276 Jan 03 j 12:50	23°♄11'50		morning rise	-12276 Nov 30 j 01:55	2°♄54'36	
morning max el	-12276 Jan 08 j 18:59	27°♄24'58	25°12'59	direct	-12276 Dec 06 j 11:54	1°♄09'32	
	-12276 Jan 11 j 07:37	0°♄		desc. node	-12276 Dec 20 j 09:26	8°♄20'01	
	-12276 Jan 30 j 19:48	0°♄		morning max el	-12276 Dec 20 j 12:53	8°♄28'13	26°30'32
morning set	-12276 Feb 04 j 13:25	9°♄36'25			-12275 Jan 05 j 21:22	0°♄	
				morning set	-12275 Jan 19 j 00:35	24°♄37'49	
					-12275 Jan 21 j 13:24	0°♄	
superior conj	-12276 Feb 11 j 12:41	24°♄36'58	-0°07'35				
minimum elong	-12276 Feb 11 j 13:01	24°♄38'47	0°08'06	superior conj	-12275 Jan 26 j 00:19	9°♄40'40	-0°29'51
behind sun begin	-12276 Feb 11 j 08:40	24°♄15'05		minimum elong	-12275 Jan 26 j 01:29	9°♄47'03	0°30'04
behind sun end	-12276 Feb 11 j 17:23	25°♄02'29		max. Earth dist.	-12275 Jan 26 j 03:27	9°♄57'49	1.32796 AU
asc. node	-12276 Feb 12 j 07:54	26°♄21'13		asc. node	-12275 Jan 29 j 05:13	16°♄39'05	
max. Earth dist.	-12276 Feb 12 j 14:28	26°♄56'43	1.33070 AU	evening rise	-12275 Feb 02 j 02:47	24°♄55'46	
	-12276 Feb 14 j 00:28	0°♄			-12275 Feb 04 j 14:23	0°♄	
evening rise	-12276 Feb 18 j 19:56	10°♄06'23			-12275 Feb 22 j 08:05	0°♄	
	-12276 Feb 29 j 08:59	0°♄		evening max el	-12275 Mar 03 j 14:48	10°♄51'26	26°31'25
evening max el	-12276 Mar 21 j 12:44	28°♄59'44	27°15'24	retrograde	-12275 Mar 17 j 17:59	18°♄14'58	
	-12276 Mar 22 j 14:23	0°♄		desc. node	-12275 Mar 18 j 10:37	18°♄13'44	
desc. node	-12276 Mar 31 j 13:33	5°♄49'37		evening set	-12275 Mar 23 j 19:44	16°♄40'09	
retrograde	-12276 Apr 04 j 12:55	6°♄31'32		min. Earth dist.	-12275 Mar 28 j 04:15	13°♄49'18	0.59452 AU
evening set	-12276 Apr 11 j 05:59	4°♄23'01		inferior conj	-12275 Mar 31 j 12:20	11°♄09'03	-2°47'27
min. Earth dist.	-12276 Apr 15 j 01:15	1°♄27'10	0.61442 AU	minimum elong	-12275 Mar 31 j 09:16	11°♄15'13	2°47'39
	-12276 Apr 16 j 15:37	30°♄		morning rise	-12275 Apr 08 j 01:39	6°♄31'42	
inferior conj	-12276 Apr 18 j 05:03	28°♄32'51	-3°17'13	direct	-12275 Apr 10 j 11:16	6°♄10'29	
minimum elong	-12276 Apr 18 j 03:37	28°♄36'11	3°17'46	morning max el	-12275 Apr 17 j 23:31	9°♄48'48	18°21'54
morning rise	-12276 Apr 25 j 03:08	23°♄35'43		asc. node	-12275 Apr 27 j 04:13	22°♄30'10	
direct	-12276 Apr 27 j 17:17	23°♄06'37			-12275 May 01 j 05:42	0°♄	
morning max el	-12276 May 04 j 12:30	26°♄30'43	18°04'11	morning set	-12275 May 04 j 01:58	5°♄20'46	
	-12276 May 07 j 13:37	0°♄					
asc. node	-12276 May 10 j 07:21	3°♄53'36					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-12275 May 13 j 17:45	23° \approx 25'08	1°45'20	superior conj	-12274 Apr 26 j 12:13	6° \approx 11'13	1°32'40
minimum elong	-12275 May 13 j 15:47	23° \approx 16'10	1°44'49	minimum elong	-12274 Apr 26 j 09:13	5° \approx 56'53	1°31'48
	-12275 May 17 j 09:40	0° \mathbb{X}		max. Earth dist.	-12274 May 03 j 01:34	18° \approx 22'06	1.38536 AU
max. Earth dist.	-12275 May 21 j 01:21	6° \mathbb{X} 22'19	1.40405 AU	evening rise	-12274 May 07 j 03:28	25° \approx 34'35	
evening rise	-12275 May 26 j 00:05	14° \mathbb{X} 42'19			-12274 May 09 j 17:31	0° \mathbb{X}	
	-12275 Jun 04 j 14:36	0° \mathbb{Y}			-12274 May 29 j 05:06	0° \mathbb{Y}	
desc. node	-12275 Jun 14 j 08:06	14° \mathbb{Y} 23'48		desc. node	-12274 Jun 01 j 05:36	4° \mathbb{Y} 06'31	
	-12275 Jun 26 j 06:45	0° \mathbb{Z}		evening max el	-12274 Jun 11 j 18:09	16° \mathbb{Y} 37'44	24°26'52
evening max el	-12275 Jun 29 j 07:46	3° \mathbb{Z} 17'35	23°04'44	retrograde	-12274 Jun 22 j 23:46	23° \mathbb{Y} 16'17	
retrograde	-12275 Jul 09 j 09:50	9° \mathbb{Z} 17'02		evening set	-12274 Jun 28 j 13:02	20° \mathbb{Y} 51'19	
evening set	-12275 Jul 14 j 08:19	7° \mathbb{Z} 11'51		min. Earth dist.	-12274 Jul 03 j 04:10	15° \mathbb{Y} 25'59	0.67043 AU
inferior conj	-12275 Jul 19 j 13:23	0° \mathbb{Z} 57'30	-1°24'08	inferior conj	-12274 Jul 03 j 19:05	14° \mathbb{Y} 35'31	-2°04'57
minimum elong	-12275 Jul 19 j 14:59	0° \mathbb{Z} 51'57	1°23'13	minimum elong	-12274 Jul 03 j 21:12	14° \mathbb{Y} 28'20	2°04'08
min. Earth dist.	-12275 Jul 19 j 09:48	1° \mathbb{Z} 09'51	0.67238 AU	morning rise	-12274 Jul 09 j 05:18	8° \mathbb{Y} 27'41	
	-12275 Jul 20 j 06:04	30° \mathbb{R} \mathbb{Y}		asc. node	-12274 Jul 11 j 02:06	7° \mathbb{Y} 25'01	
asc. node	-12275 Jul 24 j 05:20	25° \mathbb{Y} 16'29		direct	-12274 Jul 13 j 01:23	7° \mathbb{Y} 03'00	
morning rise	-12275 Jul 24 j 21:34	24° \mathbb{Y} 41'36		morning max el	-12274 Jul 21 j 02:35	11° \mathbb{Y} 48'30	20°33'29
direct	-12275 Jul 29 j 04:37	22° \mathbb{Y} 59'50			-12274 Aug 03 j 19:48	0° \mathbb{Z}	
morning max el	-12275 Aug 07 j 06:25	28° \mathbb{Y} 26'40	21°48'07	morning set	-12274 Aug 18 j 02:45	21° \mathbb{Z} 45'20	
	-12275 Aug 08 j 17:16	0° \mathbb{Z}			-12274 Aug 23 j 08:54	0° \mathbb{I}	
	-12275 Aug 30 j 09:37	0° \mathbb{I}		desc. node	-12274 Aug 28 j 02:19	7° \mathbb{I} 32'19	
morning set	-12275 Sep 07 j 21:32	13° \mathbb{I} 11'21		max. Earth dist.	-12274 Aug 28 j 08:26	7° \mathbb{I} 56'56	1.43407 AU
desc. node	-12275 Sep 10 j 05:09	16° \mathbb{I} 53'28					
max. Earth dist.	-12275 Sep 14 j 23:02	24° \mathbb{I} 37'45	1.41910 AU	superior conj	-12274 Sep 03 j 02:33	17° \mathbb{I} 20'27	-0°35'30
	-12275 Sep 18 j 04:07	0° \mathbb{E}		minimum elong	-12274 Sep 02 j 23:17	17° \mathbb{I} 07'00	0°34'25
					-12274 Sep 10 j 14:53	0° \mathbb{E}	
superior conj	-12275 Sep 22 j 07:05	7° \mathbb{E} 04'02	-1°07'53	evening rise	-12274 Sep 15 j 17:49	8° \mathbb{E} 51'57	
minimum elong	-12275 Sep 22 j 03:02	6° \mathbb{E} 46'28	1°06'44		-12274 Sep 28 j 09:48	0° \mathbb{O}	
evening rise	-12275 Oct 03 j 03:06	26° \mathbb{E} 29'54		evening max el	-12274 Oct 03 j 00:02	5° \mathbb{O} 44'43	18°09'26
	-12275 Oct 05 j 01:04	0° \mathbb{O}		asc. node	-12274 Oct 07 j 02:13	8° \mathbb{O} 44'31	
evening max el	-12275 Oct 19 j 11:02	22° \mathbb{O} 26'39	18°09'14	retrograde	-12274 Oct 09 j 15:35	9° \mathbb{O} 17'24	
asc. node	-12275 Oct 20 j 05:03	23° \mathbb{O} 09'20		evening set	-12274 Oct 12 j 06:30	8° \mathbb{O} 43'17	
retrograde	-12275 Oct 26 j 10:26	26° \mathbb{O} 01'14		inferior conj	-12274 Oct 18 j 19:51	3° \mathbb{O} 25'11	3°11'54
evening set	-12275 Oct 28 j 22:29	25° \mathbb{O} 34'07		minimum elong	-12274 Oct 18 j 16:02	3° \mathbb{O} 35'05	3°11'34
inferior conj	-12275 Nov 04 j 23:12	20° \mathbb{O} 35'58	3°50'55	min. Earth dist.	-12274 Oct 21 j 08:34	0° \mathbb{O} 48'22	0.62789 AU
minimum elong	-12275 Nov 04 j 19:43	20° \mathbb{O} 43'56	3°50'49		-12274 Oct 22 j 04:14	30° \mathbb{R} \mathbb{E}	
min. Earth dist.	-12275 Nov 07 j 22:59	17° \mathbb{O} 51'58	0.61067 AU	morning rise	-12274 Oct 25 j 00:37	27° \mathbb{E} 32'59	
morning rise	-12275 Nov 11 j 15:37	14° \mathbb{O} 59'45		direct	-12274 Nov 01 j 01:44	24° \mathbb{E} 56'05	
direct	-12275 Nov 18 j 14:51	12° \mathbb{O} 42'28			-12274 Nov 12 j 01:51	0° \mathbb{O}	
morning max el	-12275 Dec 02 j 12:53	20° \mathbb{O} 07'55	27°19'23	morning max el	-12274 Nov 14 j 18:44	2° \mathbb{O} 26'24	27°34'05
desc. node	-12275 Dec 07 j 06:02	25° \mathbb{O} 10'09		desc. node	-12274 Nov 24 j 02:39	13° \mathbb{O} 13'47	
	-12275 Dec 11 j 03:15	0° \mathbb{P}			-12274 Dec 05 j 09:00	0° \mathbb{P}	
	-12275 Dec 29 j 14:31	0° \mathbb{U}		morning set	-12274 Dec 18 j 10:52	23° \mathbb{P} 59'25	
morning set	-12274 Jan 03 j 08:27	9° \mathbb{U} 28'01			-12274 Dec 21 j 09:07	0° \mathbb{U}	
max. Earth dist.	-12274 Jan 09 j 16:14	22° \mathbb{U} 55'49	1.32861 AU	max. Earth dist.	-12274 Dec 24 j 01:12	5° \mathbb{U} 38'28	1.33282 AU
superior conj	-12274 Jan 10 j 12:03	24° \mathbb{U} 43'46	-0°50'21	superior conj	-12274 Dec 25 j 22:14	9° \mathbb{U} 40'16	-1°08'20
minimum elong	-12274 Jan 10 j 13:49	24° \mathbb{U} 53'22	0°50'20	minimum elong	-12274 Dec 26 j 00:17	9° \mathbb{U} 51'14	1°08'10
	-12274 Jan 12 j 22:04	0° \mathbb{M}		evening rise	-12273 Jan 01 j 23:56	24° \mathbb{U} 51'25	
asc. node	-12274 Jan 16 j 02:32	6° \mathbb{M} 52'17		asc. node	-12273 Jan 02 j 23:53	26° \mathbb{U} 56'22	
evening rise	-12274 Jan 17 j 12:42	9° \mathbb{M} 52'53			-12273 Jan 04 j 11:41	0° \mathbb{M}	
	-12274 Jan 28 j 00:41	0° \mathbb{X}			-12273 Jan 23 j 05:50	0° \mathbb{X}	
evening max el	-12274 Feb 13 j 11:33	22° \mathbb{X} 08'16	25°19'30	evening max el	-12273 Jan 26 j 05:00	3° \mathbb{X} 03'12	23°49'50
retrograde	-12274 Feb 27 j 12:20	29° \mathbb{X} 15'15		retrograde	-12273 Feb 08 j 18:02	9° \mathbb{X} 42'28	
evening set	-12274 Mar 04 j 14:46	28° \mathbb{X} 14'18		evening set	-12273 Feb 12 j 19:08	9° \mathbb{X} 06'21	
desc. node	-12274 Mar 05 j 07:36	27° \mathbb{X} 56'51		min. Earth dist.	-12273 Feb 19 j 18:07	5° \mathbb{X} 47'22	0.56193 AU
min. Earth dist.	-12274 Mar 10 j 01:11	25° \mathbb{X} 15'03	0.57597 AU	desc. node	-12273 Feb 20 j 04:28	5° \mathbb{X} 31'41	
inferior conj	-12274 Mar 13 j 00:54	23° \mathbb{X} 10'50	-1°49'56	inferior conj	-12273 Feb 21 j 17:52	4° \mathbb{X} 34'23	-0°23'38
minimum elong	-12274 Mar 12 j 21:33	23° \mathbb{X} 16'40	1°49'47	minimum elong	-12273 Feb 21 j 16:54	4° \mathbb{X} 35'52	0°23'58
morning rise	-12274 Mar 21 j 07:33	18° \mathbb{X} 51'48		morning rise	-12273 Mar 02 j 17:10	0° \mathbb{X} 28'32	
direct	-12274 Mar 23 j 13:02	18° \mathbb{X} 36'31		direct	-12273 Mar 04 j 21:04	0° \mathbb{X} 16'23	
morning max el	-12274 Apr 01 j 04:45	22° \mathbb{X} 43'27	18°59'11	morning max el	-12273 Mar 15 j 01:18	5° \mathbb{X} 05'32	19°56'14
	-12274 Apr 07 j 02:04	0° \mathbb{Z}			-12273 Mar 31 j 02:21	0° \mathbb{Z}	
asc. node	-12274 Apr 14 j 01:08	1° \mathbb{Z} 57'33		asc. node	-12273 Mar 31 j 22:08	1° \mathbb{Z} 38'18	
morning set	-12274 Apr 17 j 19:10	19° \mathbb{Z} 11'26		morning set	-12273 Apr 01 j 20:55	3° \mathbb{Z} 32'31	
	-12274 Apr 23 j 07:21	0° \mathbb{A}					
				superior conj	-12273 Apr 09 j 21:25	19° \mathbb{Z} 45'05	1°14'16

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-12273 Apr 09 j 18:30	19° Z 30'35	1°13'11	superior conj	-12272 Mar 23 j 17:09	3° Z 54'18	0°52'35
max. Earth dist.	-12273 Apr 15 j 04:45	0° \approx 04'49	1.36780 AU	minimum elong	-12272 Mar 23 j 14:57	3° Z 42'54	0°51'29
	-12273 Apr 15 j 03:44	0° \approx		max. Earth dist.	-12272 Mar 27 j 15:54	11° Z 55'01	1.35295 AU
evening rise	-12273 Apr 19 j 07:18	7° \approx 42'26		evening rise	-12272 Apr 01 j 05:49	20° Z 49'24	
	-12273 May 02 j 12:22	0° X			-12272 Apr 06 j 05:44	0° \approx	
desc. node	-12273 May 19 j 03:03	23° X 17'14			-12272 Apr 25 j 08:54	0° X	
evening max el	-12273 May 25 j 03:49	29° X 59'27	25°42'16	desc. node	-12272 May 05 j 00:29	11° X 42'46	
	-12273 May 25 j 04:02	0° Y		evening max el	-12272 May 06 j 14:13	13° X 19'00	26°42'21
retrograde	-12273 Jun 06 j 09:29	7° Y 08'15		retrograde	-12272 May 19 j 14:32	20° X 46'35	
evening set	-12273 Jun 12 j 12:50	4° Y 28'07		evening set	-12272 May 26 j 05:20	17° X 59'37	
	-12273 Jun 16 j 13:11	30° R X		min. Earth dist.	-12272 May 30 j 03:39	13° X 52'28	0.65553 AU
min. Earth dist.	-12273 Jun 16 j 18:49	29° X 41'56	0.66493 AU	inferior conj	-12272 May 31 j 21:03	11° X 47'00	-3°05'47
inferior conj	-12273 Jun 17 j 22:19	28° X 12'54	-2°39'23	minimum elong	-12272 May 31 j 23:00	11° X 41'06	3°05'43
minimum elong	-12273 Jun 18 j 00:35	28° X 05'32	2°38'53	morning rise	-12272 Jun 06 j 16:55	6° X 04'14	
morning rise	-12273 Jun 23 j 12:23	22° X 16'15		direct	-12272 Jun 09 j 20:23	5° X 08'29	
direct	-12273 Jun 26 j 23:17	21° X 07'01		asc. node	-12272 Jun 13 j 19:38	6° X 31'46	
asc. node	-12273 Jun 27 j 22:52	21° X 12'24		morning max el	-12272 Jun 16 j 13:51	8° X 53'02	18°44'25
morning max el	-12273 Jul 04 j 05:20	25° X 17'35	19°31'18		-12272 Jul 01 j 06:48	0° Y	
	-12273 Jul 08 j 05:05	0° Y		morning set	-12272 Jul 07 j 09:28	9° Y 53'38	
morning set	-12273 Jul 28 j 08:57	0° Z 23'59			-12272 Jul 19 j 22:30	0° Z	
	-12273 Jul 28 j 02:50	0° Z					
max. Earth dist.	-12273 Aug 10 j 23:05	21° Z 48'40	1.44333 AU	superior conj	-12272 Jul 22 j 19:47	4° Z 34'40	0°51'33
				minimum elong	-12272 Jul 23 j 01:29	4° Z 57'12	0°51'20
superior conj	-12273 Aug 13 j 19:00	26° Z 19'04	0°07'06	max. Earth dist.	-12272 Jul 23 j 15:47	5° Z 53'48	1.44573 AU
minimum elong	-12273 Aug 13 j 19:54	26° Z 22'40	0°07'36	desc. node	-12272 Jul 31 j 20:57	18° Z 53'42	
behind sun begin	-12273 Aug 13 j 09:58	25° Z 42'59			-12272 Aug 07 j 20:47	0° II	
behind sun end	-12273 Aug 14 j 05:51	27° Z 02'24		evening rise	-12272 Aug 08 j 02:30	0° II 22'47	
desc. node	-12273 Aug 14 j 23:34	28° Z 13'19			-12272 Aug 27 j 16:08	0° Z	
	-12273 Aug 16 j 02:11	0° II		evening max el	-12272 Aug 30 j 01:08	2° Z 41'25	19°03'31
evening rise	-12273 Aug 28 j 11:19	20° II 13'53		retrograde	-12272 Sep 05 j 23:26	6° Z 37'02	
	-12273 Sep 03 j 08:36	0° Z		evening set	-12272 Sep 09 j 02:44	5° Z 40'34	
evening max el	-12273 Sep 16 j 13:40	19° Z 11'09	18°27'52	asc. node	-12272 Sep 09 j 20:24	5° Z 11'17	
retrograde	-12273 Sep 23 j 05:03	22° Z 51'00		inferior conj	-12272 Sep 14 j 21:51	29° II 51'49	1°32'59
asc. node	-12273 Sep 23 j 23:21	22° Z 47'49		minimum elong	-12272 Sep 14 j 19:43	29° II 58'26	1°32'57
evening set	-12273 Sep 26 j 01:01	22° Z 07'17			-12272 Sep 14 j 19:13	30° R II	
inferior conj	-12273 Oct 02 j 04:24	16° Z 32'11	2°24'22	min. Earth dist.	-12272 Sep 16 j 09:22	28° II 01'36	0.65452 AU
minimum elong	-12273 Oct 02 j 01:12	16° Z 41'22	2°24'04	morning rise	-12272 Sep 20 j 12:14	23° II 37'07	
min. Earth dist.	-12273 Oct 04 j 04:21	14° Z 14'57	0.64266 AU	direct	-12272 Sep 26 j 19:51	20° II 58'04	
morning rise	-12273 Oct 08 j 00:44	10° Z 26'53		morning max el	-12272 Oct 09 j 14:40	28° II 22'25	26°27'36
direct	-12273 Oct 14 j 19:31	7° Z 43'31			-12272 Oct 11 j 04:46	0° Z	
morning max el	-12273 Oct 28 j 04:10	15° Z 15'06	27°15'10	desc. node	-12272 Oct 27 j 20:02	21° Z 40'40	
	-12273 Nov 09 j 10:42	0° Z			-12272 Nov 02 j 04:24	0° Z	
desc. node	-12273 Nov 10 j 23:18	2° Z 08'49		morning set	-12272 Nov 14 j 11:02	21° Z 23'17	
	-12273 Nov 27 j 23:39	0° Z		max. Earth dist.	-12272 Nov 18 j 17:33	29° Z 36'51	1.35333 AU
morning set	-12273 Dec 02 j 04:55	8° Z 01'28			-12272 Nov 18 j 22:15	0° Z	
max. Earth dist.	-12273 Dec 07 j 02:37	17° Z 53'35	1.34095 AU				
				superior conj	-12272 Nov 23 j 05:51	8° Z 42'31	-1°33'12
superior conj	-12273 Dec 10 j 04:55	24° Z 22'12	-1°22'59	minimum elong	-12272 Nov 23 j 07:07	8° Z 49'01	1°32'51
minimum elong	-12273 Dec 10 j 06:49	24° Z 32'15	1°22'43	evening rise	-12272 Nov 30 j 19:29	24° Z 25'12	
	-12273 Dec 12 j 20:29	0° Z			-12272 Dec 03 j 13:29	0° Z	
evening rise	-12273 Dec 17 j 10:44	9° Z 44'00		asc. node	-12272 Dec 06 j 18:37	6° Z 12'20	
asc. node	-12273 Dec 20 j 21:14	16° Z 45'09		evening max el	-12272 Dec 20 j 01:20	25° Z 13'09	20°49'46
	-12273 Dec 28 j 04:08	0° Z			-12272 Dec 27 j 22:49	0° Z	
evening max el	-12272 Jan 07 j 23:45	13° Z 57'19	22°15'52	retrograde	-12272 Dec 31 j 03:35	0° Z 25'37	
retrograde	-12272 Jan 20 j 12:46	19° Z 56'45		evening set	-12271 Jan 02 j 21:21	0° Z 07'47	
evening set	-12272 Jan 23 j 17:44	19° Z 34'04			-12271 Jan 03 j 10:44	30° R Z	
inferior conj	-12272 Feb 01 j 19:38	15° Z 26'16	1°19'43	inferior conj	-12271 Jan 11 j 17:19	26° Z 08'43	2°54'03
minimum elong	-12272 Feb 01 j 22:57	15° Z 21'30	1°18'09	minimum elong	-12271 Jan 11 j 23:06	26° Z 00'16	2°52'20
min. Earth dist.	-12272 Feb 01 j 08:51	15° Z 41'43	0.55500 AU	min. Earth dist.	-12271 Jan 12 j 22:36	25° Z 25'57	0.55665 AU
desc. node	-12272 Feb 07 j 01:17	12° Z 41'05		morning rise	-12271 Jan 20 j 23:35	21° Z 49'45	
morning rise	-12272 Feb 11 j 04:55	11° Z 21'47		desc. node	-12271 Jan 23 j 22:01	21° Z 26'18	
direct	-12272 Feb 13 j 15:08	11° Z 08'15		direct	-12271 Jan 24 j 06:19	21° Z 26'02	
morning max el	-12272 Feb 25 j 10:58	16° Z 48'02	21°12'11	morning max el	-12271 Feb 06 j 09:44	27° Z 52'35	22°43'03
	-12272 Mar 06 j 12:17	0° Z			-12271 Feb 08 j 11:40	0° Z	
morning set	-12272 Mar 16 j 04:22	18° Z 15'14			-12271 Feb 27 j 02:05	0° Z	
asc. node	-12272 Mar 17 j 19:11	21° Z 35'52		morning set	-12271 Feb 28 j 15:16	3° Z 12'02	
	-12272 Mar 21 j 19:55	0° Z		asc. node	-12271 Mar 04 j 16:18	11° Z 44'58	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-12271 Mar 07 j 20:14	18° ♄ 28'44	0°29'20	superior conj	-12270 Feb 20 j 04:12	3° ♄ 20'31	0°05'48
minimum elong	-12271 Mar 07 j 18:59	18° ♄ 22'10	0°28'24	minimum elong	-12270 Feb 20 j 03:58	3° ♄ 19'19	0°05'07
max. Earth dist.	-12271 Mar 10 j 13:12	24° ♄ 09'34	1.34157 AU	behind sun begin	-12270 Feb 19 j 23:06	2° ♄ 53'01	
	-12271 Mar 13 j 09:37	0° ♄		behind sun end	-12270 Feb 20 j 08:51	3° ♄ 45'37	
evening rise	-12271 Mar 15 j 17:55	4° ♄ 40'08		max. Earth dist.	-12270 Feb 21 j 19:18	6° ♄ 50'41	1.33369 AU
	-12271 Mar 29 j 23:33	0° ♄		evening rise	-12270 Feb 27 j 15:36	19° ♄ 02'07	
evening max el	-12271 Apr 19 j 00:56	26° ♄ 27'33	27°19'05		-12270 Mar 05 j 07:19	0° ♄	
desc. node	-12271 Apr 21 j 21:51	29° ♄ 04'11			-12270 Mar 24 j 07:17	0° ♄	
	-12271 Apr 23 j 01:38	0° ♄		evening max el	-12270 Apr 01 j 10:13	9° ♄ 14'42	27°26'13
retrograde	-12271 May 02 j 14:12	4° ♄ 02'42		desc. node	-12270 Apr 08 j 19:06	14° ♄ 56'10	
evening set	-12271 May 09 j 11:41	1° ♄ 20'41		retrograde	-12270 Apr 15 j 07:34	16° ♄ 48'50	
	-12271 May 11 j 01:04	30° ♄		evening set	-12270 Apr 22 j 04:40	14° ♄ 24'58	
min. Earth dist.	-12271 May 13 j 04:51	27° ♄ 48'31	0.64219 AU	min. Earth dist.	-12270 Apr 25 j 21:14	11° ♄ 19'11	0.62534 AU
inferior conj	-12271 May 15 j 12:50	25° ♄ 13'19	-3°21'48	inferior conj	-12270 Apr 28 j 18:45	8° ♄ 26'54	-3°24'04
minimum elong	-12271 May 15 j 13:53	25° ♄ 10'24	3°22'11	minimum elong	-12270 Apr 28 j 18:20	8° ♄ 27'56	3°24'39
morning rise	-12271 May 21 j 16:46	19° ♄ 46'38		morning rise	-12270 May 05 j 09:21	3° ♄ 18'14	
direct	-12271 May 24 j 14:17	19° ♄ 02'28		direct	-12270 May 08 j 02:03	2° ♄ 43'57	
morning max el	-12271 May 31 j 02:11	22° ♄ 30'41	18°14'28	morning max el	-12270 May 14 j 16:04	6° ♄ 06'18	18°02'31
asc. node	-12271 May 31 j 16:24	23° ♄ 07'31		asc. node	-12270 May 18 j 13:12	10° ♄ 44'39	
	-12271 Jun 05 j 22:52	0° ♄			-12270 May 30 j 04:58	0° ♄	
morning set	-12271 Jun 18 j 11:00	20° ♄ 32'06		morning set	-12270 May 31 j 12:13	2° ♄ 18'19	
	-12271 Jun 24 j 02:15	0° ♄					
superior conj	-12271 Jul 02 j 02:31	13° ♄ 08'46	1°26'25	superior conj	-12270 Jun 12 j 08:12	22° ♄ 50'19	1°45'13
minimum elong	-12271 Jul 02 j 08:40	13° ♄ 33'35	1°26'04	minimum elong	-12270 Jun 12 j 10:59	23° ♄ 02'02	1°45'01
max. Earth dist.	-12271 Jul 06 j 07:07	19° ♄ 52'40	1.44113 AU		-12270 Jun 16 j 15:26	0° ♄	
	-12271 Jul 12 j 16:38	0° ♄		max. Earth dist.	-12270 Jun 18 j 18:55	3° ♄ 30'37	1.43026 AU
evening rise	-12271 Jul 18 j 15:25	9° ♄ 17'58		evening rise	-12270 Jun 27 j 15:30	17° ♄ 37'28	
desc. node	-12271 Jul 18 j 18:25	9° ♄ 29'40		desc. node	-12270 Jul 05 j 15:55	29° ♄ 57'32	
greatest brilliancy	-12271 Jul 31 j 03:46	28° ♄ 31'06	-0.7m		-12270 Jul 05 j 16:34	0° ♄	
	-12271 Aug 01 j 03:33	0° ♄		evening max el	-12270 Jul 27 j 08:14	29° ♄ 37'08	21°01'06
evening max el	-12271 Aug 13 j 07:55	16° ♄ 10'57	19°55'16		-12270 Jul 27 j 17:20	0° ♄	
retrograde	-12271 Aug 20 j 19:54	20° ♄ 31'12		retrograde	-12270 Aug 04 j 16:22	4° ♄ 30'51	
evening set	-12271 Aug 24 j 08:53	19° ♄ 18'34		evening set	-12270 Aug 08 j 17:10	2° ♄ 58'54	
asc. node	-12271 Aug 27 j 17:24	16° ♄ 04'49			-12270 Aug 11 j 15:56	30° ♄	
inferior conj	-12271 Aug 29 j 21:31	13° ♄ 19'17	0°40'46	inferior conj	-12270 Aug 14 j 01:15	26° ♄ 51'52	-0°10'13
minimum elong	-12271 Aug 29 j 20:35	13° ♄ 22'21	0°41'05	minimum elong	-12270 Aug 14 j 01:28	26° ♄ 51'10	0°09'33
min. Earth dist.	-12271 Aug 30 j 21:30	12° ♄ 00'27	0.66337 AU	transit middle	-12270 Aug 14 j 01:28	26° ♄ 51'10	0°09'33
morning rise	-12271 Sep 04 j 08:00	6° ♄ 59'19		transit begin	-12270 Aug 13 j 23:15	26° ♄ 58'42	
direct	-12271 Sep 10 j 02:03	4° ♄ 32'20		transit end	-12270 Aug 14 j 03:40	26° ♄ 43'37	
morning max el	-12271 Sep 22 j 00:34	11° ♄ 36'36	25°19'11	min. Earth dist.	-12270 Aug 14 j 14:23	26° ♄ 07'05	0.66923 AU
	-12271 Oct 06 j 20:27	0° ♄		asc. node	-12270 Aug 14 j 14:19	26° ♄ 07'19	
desc. node	-12271 Oct 14 j 16:50	11° ♄ 38'32		morning rise	-12270 Aug 19 j 09:35	20° ♄ 30'42	
	-12271 Oct 25 j 20:13	0° ♄		direct	-12270 Aug 24 j 13:25	18° ♄ 20'19	
morning set	-12271 Oct 28 j 00:33	3° ♄ 51'33		morning max el	-12270 Sep 04 j 10:24	24° ♄ 51'48	23°58'44
max. Earth dist.	-12271 Oct 31 j 22:04	10° ♄ 59'16	1.36977 AU		-12270 Sep 09 j 01:14	0° ♄	
					-12270 Sep 30 j 08:36	0° ♄	
superior conj	-12271 Nov 06 j 22:10	22° ♄ 32'36	-1°37'32	desc. node	-12270 Oct 01 j 13:44	1° ♄ 54'41	
minimum elong	-12271 Nov 06 j 22:15	22° ♄ 32'56	1°37'04	morning set	-12270 Oct 09 j 16:07	15° ♄ 12'08	
	-12271 Nov 10 j 15:36	0° ♄		max. Earth dist.	-12270 Oct 13 j 21:14	22° ♄ 30'50	1.38903 AU
evening rise	-12271 Nov 15 j 00:16	8° ♄ 49'33			-12270 Oct 18 j 00:47	0° ♄	
asc. node	-12271 Nov 23 j 15:59	25° ♄ 10'17					
	-12271 Nov 26 j 17:27	0° ♄		superior conj	-12270 Oct 21 j 02:01	5° ♄ 41'12	-1°34'08
evening max el	-12271 Dec 02 j 12:54	7° ♄ 02'28	19°39'24	minimum elong	-12270 Oct 21 j 00:23	5° ♄ 33'30	1°33'27
retrograde	-12271 Dec 12 j 01:38	11° ♄ 32'06		evening rise	-12270 Oct 29 j 22:49	22° ♄ 50'52	
evening set	-12271 Dec 14 j 15:02	11° ♄ 14'10			-12270 Nov 02 j 15:49	0° ♄	
inferior conj	-12271 Dec 22 j 23:58	7° ♄ 07'38	3°55'20	asc. node	-12270 Nov 10 j 13:19	13° ♄ 29'07	
minimum elong	-12271 Dec 23 j 04:01	7° ♄ 01'06	3°54'44	evening max el	-12270 Nov 15 j 10:30	19° ♄ 24'56	18°48'22
min. Earth dist.	-12271 Dec 25 j 12:02	5° ♄ 31'28	0.56638 AU	retrograde	-12270 Nov 23 j 15:55	23° ♄ 23'39	
morning rise	-12271 Dec 31 j 14:53	2° ♄ 25'43		evening set	-12270 Nov 26 j 03:37	23° ♄ 03'16	
direct	-12270 Jan 05 j 05:24	1° ♄ 37'50		inferior conj	-12270 Dec 03 j 23:51	18° ♄ 38'34	4°17'05
desc. node	-12270 Jan 10 j 18:41	2° ♄ 48'32		minimum elong	-12270 Dec 04 j 00:09	18° ♄ 38'02	4°17'15
morning max el	-12270 Jan 19 j 01:19	8° ♄ 35'01	24°19'56	min. Earth dist.	-12270 Dec 07 j 02:47	16° ♄ 21'23	0.58190 AU
	-12270 Feb 03 j 17:36	0° ♄		morning rise	-12270 Dec 11 j 18:47	13° ♄ 33'33	
morning set	-12270 Feb 13 j 03:44	18° ♄ 16'28		direct	-12270 Dec 17 j 15:48	12° ♄ 10'15	
	-12270 Feb 18 j 15:05	0° ♄		desc. node	-12270 Dec 28 j 15:18	16° ♄ 42'58	
asc. node	-12270 Feb 19 j 13:31	2° ♄ 01'15		morning max el	-12270 Dec 31 j 16:31	19° ♄ 22'35	25°48'56
					-12269 Jan 09 j 17:14	0° ♄	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12269 Jan 27 j 01:10	0°♌		morning set	-12268 Jan 13 j 01:52	18°♑18'29	
morning set	-12269 Jan 28 j 15:52	3°♌20'49			-12268 Jan 18 j 13:10	0°♌	
superior conj	-12269 Feb 04 j 14:57	18°♌21'23	-0°17'12	superior conj	-12268 Jan 20 j 02:48	3°♌25'25	-0°38'48
minimum elong	-12269 Feb 04 j 15:40	18°♌25'17	0°17'35	minimum elong	-12268 Jan 20 j 04:16	3°♌33'22	0°38'56
max. Earth dist.	-12269 Feb 05 j 06:59	19°♌48'40	1.32914 AU	max. Earth dist.	-12268 Jan 19 j 20:30	2°♌50'55	1.32787 AU
asc. node	-12269 Feb 06 j 10:46	22°♌19'36		asc. node	-12268 Jan 24 j 08:02	12°♌35'48	
	-12269 Feb 10 j 00:49	0°♊		evening rise	-12268 Jan 27 j 04:11	18°♌37'19	
evening rise	-12269 Feb 11 j 19:48	3°♊43'53			-12268 Feb 01 j 20:45	0°♊	
	-12269 Feb 26 j 03:22	0°♊			-12268 Feb 21 j 15:50	0°♊	
evening max el	-12269 Mar 14 j 15:31	21°♊28'18	27°00'36	evening max el	-12268 Feb 24 j 15:05	3°♊03'29	26°03'38
desc. node	-12269 Mar 26 j 16:13	28°♊45'26		retrograde	-12268 Mar 09 j 17:39	10°♊20'59	
retrograde	-12269 Mar 28 j 17:10	28°♊56'22		desc. node	-12268 Mar 12 j 13:16	10°♊01'13	
evening set	-12269 Apr 04 j 04:58	27°♊01'46		evening set	-12268 Mar 15 j 10:31	9°♊00'51	
min. Earth dist.	-12269 Apr 08 j 04:35	24°♊09'49	0.60603 AU	min. Earth dist.	-12268 Mar 20 j 04:22	6°♊08'13	0.58632 AU
inferior conj	-12269 Apr 11 j 11:18	21°♊19'01	-3°07'43	inferior conj	-12268 Mar 23 j 10:51	3°♊40'51	-2°26'42
minimum elong	-12269 Apr 11 j 09:07	21°♊23'48	3°08'08	minimum elong	-12268 Mar 23 j 07:25	3°♊47'21	2°26'41
morning rise	-12269 Apr 18 j 15:29	16°♊30'01			-12268 Mar 29 j 03:05	30°♊♊	
direct	-12269 Apr 21 j 03:50	16°♊04'18		morning rise	-12268 Mar 31 j 07:25	29°♊11'53	
morning max el	-12269 Apr 28 j 04:52	19°♊32'37	18°09'21	direct	-12268 Apr 02 j 15:20	28°♊53'22	
asc. node	-12269 May 05 j 10:03	29°♊08'56			-12268 Apr 06 j 22:19	0°♊	
	-12269 May 05 j 22:32	0°♋		morning max el	-12268 Apr 10 j 13:45	2°♊41'35	18°35'26
morning set	-12269 May 14 j 08:33	15°♋01'32		asc. node	-12268 Apr 21 j 06:55	18°♊09'20	
	-12269 May 22 j 12:44	0°♋		morning set	-12268 Apr 26 j 19:16	28°♊30'18	
					-12268 Apr 27 j 13:55	0°♋	
superior conj	-12269 May 24 j 16:48	3°♋52'07	1°48'45	superior conj	-12268 May 06 j 00:30	16°♋04'37	1°40'52
minimum elong	-12269 May 24 j 16:08	3°♋49'08	1°48'25	minimum elong	-12268 May 05 j 21:55	15°♋52'38	1°40'11
max. Earth dist.	-12269 Jun 01 j 01:33	16°♋34'01	1.41450 AU	max. Earth dist.	-12268 May 13 j 02:53	28°♋54'05	1.39606 AU
evening rise	-12269 Jun 07 j 01:37	26°♋26'17			-12268 May 13 j 17:58	0°♋	
	-12269 Jun 09 j 07:03	0°♋		evening rise	-12268 May 17 j 12:58	6°♋29'46	
desc. node	-12269 Jun 22 j 13:24	20°♋12'56			-12268 Jun 01 j 09:10	0°♋	
	-12269 Jun 29 j 11:12	0°♋		desc. node	-12268 Jun 08 j 10:55	10°♋09'55	
evening max el	-12269 Jul 10 j 01:34	12°♋59'03	22°17'44	evening max el	-12268 Jun 21 j 13:26	26°♋18'10	23°39'54
retrograde	-12269 Jul 19 j 11:16	18°♋33'27			-12268 Jun 25 j 18:08	0°♋	
evening set	-12269 Jul 24 j 01:36	16°♋40'16		retrograde	-12268 Jul 02 j 03:22	2°♋35'16	
inferior conj	-12269 Jul 29 j 07:09	10°♋27'54	-0°58'19	evening set	-12268 Jul 07 j 08:14	0°♋21'01	
minimum elong	-12269 Jul 29 j 08:19	10°♋23'52	0°57'26		-12268 Jul 07 j 17:31	30°♋♋	
min. Earth dist.	-12269 Jul 29 j 09:40	10°♋19'09	0.67211 AU	min. Earth dist.	-12268 Jul 12 j 05:02	24°♋34'26	0.67194 AU
asc. node	-12269 Aug 01 j 11:11	6°♋19'02		inferior conj	-12268 Jul 12 j 13:24	24°♋05'40	-1°42'11
morning rise	-12269 Aug 03 j 14:57	4°♋09'17		minimum elong	-12268 Jul 12 j 15:17	23°♋59'15	1°41'16
direct	-12269 Aug 08 j 05:10	2°♋17'16		morning rise	-12268 Jul 17 j 22:17	17°♋52'59	
morning max el	-12269 Aug 17 j 22:30	8°♋08'11	22°34'56	asc. node	-12268 Jul 18 j 07:59	17°♋35'06	
	-12269 Sep 03 j 18:54	0°♋		direct	-12268 Jul 22 j 00:21	16°♋18'54	
desc. node	-12269 Sep 18 j 10:43	22°♋23'22		morning max el	-12268 Jul 30 j 15:17	21°♋27'40	21°15'10
morning set	-12269 Sep 20 j 05:44	25°♋16'42			-12268 Aug 06 j 16:57	0°♋	
	-12269 Sep 23 j 02:54	0°♋			-12268 Aug 27 j 02:17	0°♋	
max. Earth dist.	-12269 Sep 25 j 21:55	4°♋40'19	1.40869 AU	morning set	-12268 Aug 29 j 19:23	4°♋13'48	
				desc. node	-12268 Sep 04 j 07:48	12°♋59'32	
superior conj	-12269 Oct 03 j 12:23	17°♋54'35	-1°20'51	max. Earth dist.	-12268 Sep 07 j 03:43	17°♋34'50	1.42605 AU
minimum elong	-12269 Oct 03 j 08:58	17°♋39'19	1°19'52				
	-12269 Oct 10 j 02:42	0°♋		superior conj	-12268 Sep 13 j 23:22	28°♋56'29	-0°55'39
evening rise	-12269 Oct 13 j 12:14	6°♋22'03		minimum elong	-12268 Sep 13 j 19:16	28°♋39'07	0°54'28
	-12269 Oct 27 j 15:15	0°♋			-12268 Sep 14 j 14:16	0°♋	
asc. node	-12269 Oct 28 j 10:36	0°♋56'42		evening rise	-12268 Sep 25 j 12:37	19°♋12'37	
evening max el	-12269 Oct 29 j 16:18	2°♋15'09	18°17'42		-12268 Oct 01 j 14:17	0°♋	
retrograde	-12269 Nov 06 j 00:05	5°♋55'37		evening max el	-12268 Oct 12 j 03:28	15°♋24'42	18°06'58
evening set	-12269 Nov 08 j 11:24	5°♋31'30		asc. node	-12268 Oct 14 j 07:50	17°♋17'27	
inferior conj	-12269 Nov 15 j 19:02	0°♋45'12	4°06'55	retrograde	-12268 Oct 18 j 22:44	18°♋57'44	
minimum elong	-12269 Nov 15 j 16:26	0°♋50'43	4°07'01	evening set	-12268 Oct 21 j 11:37	18°♋28'04	
	-12269 Nov 16 j 16:09	30°♋♋		inferior conj	-12268 Oct 28 j 07:21	13°♋21'02	3°35'46
min. Earth dist.	-12269 Nov 18 j 22:35	28°♋05'23	0.60008 AU	minimum elong	-12268 Oct 28 j 03:34	13°♋30'12	3°35'33
morning rise	-12269 Nov 22 j 19:56	25°♋19'23		min. Earth dist.	-12268 Oct 31 j 02:49	10°♋38'05	0.61822 AU
direct	-12269 Nov 29 j 12:57	23°♋19'46		morning rise	-12268 Nov 03 j 18:19	7°♋37'20	
	-12269 Dec 12 j 19:34	0°♋		direct	-12268 Nov 10 j 19:20	5°♋10'05	
morning max el	-12269 Dec 13 j 13:00	0°♋40'57	26°55'24	morning max el	-12268 Nov 24 j 15:57	12°♋38'32	27°29'53
desc. node	-12269 Dec 15 j 11:54	2°♋38'53		desc. node	-12268 Dec 01 j 08:30	20°♋03'14	
	-12268 Jan 03 j 14:37	0°♋					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12268 Dec 08 j 15:24	0°♎				-12267 Dec 01 j 23:54	0°♎	
	-12268 Dec 25 j 19:48	0°♏		morning set		-12267 Dec 11 j 06:58	17°♎22'00	
morning set	-12268 Dec 27 j 07:43	3°♏01'48		max. Earth dist.		-12267 Dec 16 j 14:01	28°♎14'28	1.33574 AU
max. Earth dist.	-12267 Jan 02 j 08:05	15°♏43'39	1.32993 AU			-12267 Dec 17 j 09:59	0°♏	
superior conj	-12267 Jan 03 j 14:05	18°♏26'16	-0°58'20	superior conj		-12267 Dec 18 j 23:03	3°♏17'33	-1°15'02
minimum elong	-12267 Jan 03 j 16:00	18°♏36'42	0°58'16	minimum elong		-12267 Dec 19 j 01:05	3°♏28'26	1°14'50
	-12267 Jan 08 j 22:12	0°♐		evening rise		-12267 Dec 26 j 02:05	18°♏31'55	
asc. node	-12267 Jan 10 j 05:22	2°♐45'32		asc. node		-12267 Dec 28 j 02:44	22°♏43'44	
evening rise	-12267 Jan 10 j 14:50	3°♐35'25				-12267 Dec 31 j 19:09	0°♐	
	-12267 Jan 25 j 00:43	0°♑		evening max el		-12266 Jan 18 j 03:10	24°♐59'51	23°09'38
evening max el	-12267 Feb 05 j 09:45	14°♑07'48	24°42'40			-12266 Jan 25 j 05:58	0°♑	
retrograde	-12267 Feb 19 j 07:10	21°♑05'30		retrograde		-12266 Jan 31 j 07:59	1°♑23'33	
evening set	-12267 Feb 23 j 22:34	20°♑16'25		evening set		-12266 Feb 03 j 23:08	0°♑54'45	
desc. node	-12267 Feb 27 j 10:13	18°♑41'33				-12266 Feb 06 j 15:05	30°♐♐	
min. Earth dist.	-12267 Mar 01 j 23:19	17°♑10'05	0.56921 AU	min. Earth dist.		-12266 Feb 11 j 15:31	27°♐23'15	0.55791 AU
inferior conj	-12267 Mar 04 j 14:54	15°♑26'01	-1°16'28	inferior conj		-12266 Feb 13 j 00:30	26°♐34'36	0°19'30
minimum elong	-12267 Mar 04 j 12:12	15°♑30'27	1°16'23	minimum elong		-12266 Feb 13 j 01:17	26°♐33'26	0°18'38
morning rise	-12267 Mar 13 j 05:04	11°♑13'57		desc. node		-12266 Feb 14 j 07:04	25°♐49'47	
direct	-12267 Mar 15 j 09:08	11°♑00'33		morning rise		-12266 Feb 22 j 05:14	22°♐30'49	
morning max el	-12267 Mar 24 j 15:45	15°♑23'57	19°21'10	direct		-12266 Feb 24 j 10:14	22°♐18'51	
	-12267 Apr 04 j 01:47	0°♒		morning max el		-12266 Mar 07 j 07:53	27°♐29'52	20°26'24
asc. node	-12267 Apr 08 j 03:51	7°♒37'23				-12266 Mar 09 j 17:13	0°♒	
morning set	-12267 Apr 10 j 16:28	12°♒34'52		morning set		-12266 Mar 25 j 20:56	27°♒05'53	
				asc. node		-12266 Mar 26 j 00:51	27°♒25'47	
superior conj	-12267 Apr 19 j 01:50	29°♒13'01	1°25'25			-12266 Mar 27 j 07:03	0°♒	
minimum elong	-12267 Apr 18 j 22:46	28°♒58'05	1°24'26	superior conj		-12266 Apr 02 j 15:57	13°♒03'04	1°05'21
	-12267 Apr 19 j 11:30	0°♓		minimum elong		-12266 Apr 02 j 13:17	12°♒49'34	1°04'14
max. Earth dist.	-12267 Apr 25 j 03:06	10°♓41'35	1.37753 AU	max. Earth dist.		-12266 Apr 07 j 09:00	22°♒23'44	1.36105 AU
evening rise	-12267 Apr 29 j 03:24	17°♓56'06				-12266 Apr 11 j 09:09	0°♓	
	-12267 May 06 j 05:14	0°♈		evening rise		-12266 Apr 11 j 15:55	0°♓31'22	
desc. node	-12267 May 26 j 08:26	29°♈40'52				-12266 Apr 29 j 08:10	0°♈	
	-12267 May 26 j 14:24	0°♉		desc. node		-12266 May 13 j 05:56	18°♈34'26	
evening max el	-12267 Jun 03 j 23:04	9°♉38'49	25°00'18	evening max el		-12266 May 17 j 09:05	23°♈00'40	26°10'20
retrograde	-12267 Jun 15 j 15:49	16°♉32'30				-12266 May 27 j 15:49	0°♉	
evening set	-12267 Jun 21 j 11:09	14°♉00'15		retrograde		-12266 May 29 j 23:39	0°♉19'05	
min. Earth dist.	-12267 Jun 25 j 22:11	8°♉51'17	0.66847 AU			-12266 Jun 01 j 04:56	30°♐♈	
inferior conj	-12267 Jun 26 j 18:19	7°♉44'10	-2°20'27	evening set		-12266 Jun 05 j 08:09	27°♈35'06	
minimum elong	-12267 Jun 26 j 20:33	7°♉36'42	2°19'45	min. Earth dist.		-12266 Jun 09 j 10:45	23°♈05'25	0.66136 AU
morning rise	-12267 Jul 02 j 05:57	1°♉40'39		inferior conj		-12266 Jun 10 j 19:55	21°♈20'37	-2°51'42
asc. node	-12267 Jul 05 j 04:45	0°♉25'46		minimum elong		-12266 Jun 10 j 22:07	21°♈13'41	2°51'23
direct	-12267 Jul 05 j 21:47	0°♉22'55		morning rise		-12266 Jun 16 j 12:10	15°♈29'16	
morning max el	-12267 Jul 13 j 14:19	4°♉53'07	20°05'20	direct		-12266 Jun 19 j 19:41	14°♈25'56	
	-12267 Jul 31 j 16:52	0°♊		asc. node		-12266 Jun 22 j 01:31	14°♈53'29	
morning set	-12267 Aug 08 j 22:30	12°♊43'03		morning max el		-12266 Jun 26 j 19:35	18°♈24'34	19°09'20
	-12267 Aug 19 j 22:03	0°♋				-12266 Jul 05 j 15:00	0°♉	
max. Earth dist.	-12267 Aug 20 j 15:09	1°♋08'19	1.43878 AU	morning set		-12266 Jul 19 j 10:54	21°♉38'56	
desc. node	-12267 Aug 22 j 05:00	3°♋39'59				-12266 Jul 24 j 17:24	0°♊	
superior conj	-12267 Aug 25 j 06:56	8°♋38'37	-0°18'22	max. Earth dist.		-12266 Aug 03 j 06:43	15°♊06'44	1.44522 AU
minimum elong	-12267 Aug 25 j 05:03	8°♋31'01	0°17'26	superior conj		-12266 Aug 04 j 14:35	17°♊13'01	0°26'24
	-12267 Sep 07 j 02:23	0°♌		minimum elong		-12266 Aug 04 j 17:47	17°♊25'40	0°26'33
evening rise	-12267 Sep 07 j 19:03	1°♌11'01		desc. node		-12266 Aug 09 j 02:21	24°♊21'24	
evening max el	-12267 Sep 25 j 17:06	28°♌47'12	18°15'05			-12266 Aug 12 j 15:00	0°♋	
	-12267 Sep 27 j 00:12	0°♍		evening rise		-12266 Aug 20 j 01:48	12°♋03'01	
asc. node	-12267 Oct 01 j 05:01	2°♍15'20				-12266 Aug 31 j 04:45	0°♌	
retrograde	-12267 Oct 02 j 07:48	2°♍21'51		evening max el		-12266 Sep 09 j 06:15	12°♌16'41	18°41'03
evening set	-12267 Oct 05 j 00:31	1°♍44'09		retrograde		-12266 Sep 15 j 23:38	16°♌01'48	
	-12267 Oct 07 j 16:03	30°♐♌		asc. node		-12266 Sep 18 j 02:07	15°♌36'57	
inferior conj	-12267 Oct 11 j 09:29	26°♌18'44	2°52'26	evening set		-12266 Sep 18 j 22:29	15°♌13'00	
minimum elong	-12267 Oct 11 j 05:50	26°♌28'36	2°52'05	inferior conj		-12266 Sep 24 j 22:10	9°♌31'57	2°02'52
min. Earth dist.	-12267 Oct 13 j 16:57	23°♌48'40	0.63456 AU	minimum elong		-12266 Sep 24 j 19:23	9°♌40'13	2°02'38
morning rise	-12267 Oct 17 j 10:18	20°♌20'24		min. Earth dist.		-12266 Sep 26 j 16:47	7°♌25'29	0.64813 AU
direct	-12267 Oct 24 j 09:36	17°♌38'51		morning rise		-12266 Sep 30 j 15:43	3°♌22'26	
morning max el	-12267 Nov 06 j 23:37	25°♌11'08	27°29'45	direct		-12266 Oct 07 j 06:23	0°♌39'32	
	-12267 Nov 11 j 11:50	0°♎		morning max el		-12266 Oct 20 j 09:34	8°♌08'53	26°57'57
desc. node	-12267 Nov 18 j 05:06	8°♎30'51						

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

desc. node	-12266 Nov 05 j 01:47	27° ☿ 43'36		desc. node	-12265 Oct 10 j 10:42	0° ☿	
	-12266 Nov 06 j 14:40	0° Ω			-12265 Oct 22 j 22:32	17° ☿ 27'43	
	-12266 Nov 24 j 06:05	0° ♊			-12265 Oct 30 j 18:45	0° Ω	
morning set	-12266 Nov 24 j 20:31	1° ♊ 09'07		morning set	-12265 Nov 07 j 20:10	14° Ω 09'50	
max. Earth dist.	-12266 Nov 29 j 11:08	10° ♊ 15'58	1.34570 AU	max. Earth dist.	-12265 Nov 11 j 21:43	21° Ω 49'40	1.35992 AU
					-12265 Nov 16 j 01:18	0° ♊	
superior conj	-12266 Dec 03 j 03:41	17° ♊ 52'21	-1°27'57	superior conj	-12265 Nov 17 j 01:21	2° ♊ 01'12	-1°35'52
minimum elong	-12266 Dec 03 j 05:22	18° ♊ 01'13	1°27'39	minimum elong	-12265 Nov 17 j 02:11	2° ♊ 05'23	1°35'28
	-12266 Dec 08 j 21:47	0° ♈			-12265 Nov 24 j 19:37	17° ♊ 56'26	
evening rise	-12266 Dec 10 j 12:17	3° ♈ 21'15		evening rise	-12265 Nov 30 j 23:18	0° ♈	
asc. node	-12266 Dec 15 j 00:08	12° ♈ 24'48			-12265 Dec 01 j 21:30	1° ♈ 40'54	
	-12266 Dec 25 j 16:00	0° ♊		asc. node	-12265 Dec 13 j 06:05	17° ♈ 31'39	20°17'32
evening max el	-12266 Dec 31 j 00:31	6° ♊ 02'31	21°37'44	evening max el	-12265 Dec 23 j 15:51	22° ♈ 24'56	
retrograde	-12265 Jan 11 j 23:21	11° ♊ 41'25		retrograde	-12265 Dec 26 j 07:26	22° ♈ 07'18	
evening set	-12265 Jan 14 j 22:38	11° ♊ 21'35		evening set	-12264 Jan 03 j 23:02	18° ♈ 06'27	3°24'55
inferior conj	-12265 Jan 23 j 23:01	7° ♊ 20'05	2°02'30	inferior conj	-12264 Jan 04 j 04:33	17° ♈ 58'06	3°23'36
minimum elong	-12265 Jan 24 j 03:51	7° ♊ 13'12	2°00'40	minimum elong	-12264 Jan 05 j 18:55	17° ♈ 00'20	0.55997 AU
min. Earth dist.	-12265 Jan 24 j 05:50	7° ♊ 10'22	0.55468 AU	min. Earth dist.	-12264 Jan 13 j 00:00	13° ♈ 38'36	
desc. node	-12265 Feb 01 j 03:49	3° ♊ 28'33		morning rise	-12264 Jan 16 j 19:33	13° ♈ 06'33	
morning rise	-12265 Feb 02 j 08:46	3° ♊ 11'06		direct	-12264 Jan 19 j 00:30	13° ♈ 17'37	
direct	-12265 Feb 05 j 02:10	2° ♊ 54'28		desc. node	-12264 Jan 30 j 07:37	19° ♈ 47'28	23°24'15
morning max el	-12265 Feb 17 j 12:38	8° ♊ 55'24	21°49'18	morning max el	-12264 Feb 07 j 19:14	0° ♊	
	-12265 Mar 04 j 05:28	0° ♈			-12264 Feb 22 j 17:58	26° ♊ 56'57	
morning set	-12265 Mar 10 j 06:10	11° ♈ 55'54		morning set	-12264 Feb 24 j 04:43	0° ♈	
asc. node	-12265 Mar 12 j 21:58	17° ♈ 29'08		asc. node	-12264 Feb 27 j 19:07	7° ♈ 41'50	
superior conj	-12265 Mar 17 j 15:10	27° ♈ 24'10	0°42'49	superior conj	-12264 Feb 29 j 20:35	12° ♈ 06'47	0°19'19
minimum elong	-12265 Mar 17 j 13:21	27° ♈ 14'41	0°41'47	minimum elong	-12264 Feb 29 j 19:47	12° ♈ 02'30	0°18'29
	-12265 Mar 18 j 21:09	0° ♈			-12264 Mar 03 j 02:20	16° ♈ 51'56	1.33784 AU
max. Earth dist.	-12265 Mar 21 j 00:47	4° ♈ 24'44	1.34775 AU	max. Earth dist.	-12264 Mar 08 j 13:25	28° ♈ 04'12	
evening rise	-12265 Mar 25 j 20:50	13° ♈ 59'05		evening rise	-12264 Mar 09 j 12:52	0° ♈	
	-12265 Apr 03 j 16:14	0° ♊			-12264 Mar 26 j 21:40	0° ♊	
	-12265 Apr 24 j 02:21	0° ♈			-12264 Apr 11 j 06:21	19° ♊ 17'59	27°25'55
evening max el	-12265 Apr 29 j 20:01	6° ♈ 17'26	27°01'16	evening max el	-12264 Apr 16 j 00:36	23° ♊ 22'10	
desc. node	-12265 Apr 30 j 03:20	6° ♈ 35'17		desc. node	-12264 Apr 24 j 23:11	26° ♊ 53'04	
retrograde	-12265 May 13 j 02:17	13° ♈ 48'30		retrograde	-12264 May 01 j 21:43	24° ♊ 16'58	
evening set	-12265 May 19 j 20:40	11° ♈ 02'21		evening set	-12264 May 05 j 13:52	20° ♊ 57'40	0.63546 AU
min. Earth dist.	-12265 May 23 j 16:32	7° ♈ 10'42	0.65037 AU	min. Earth dist.	-12264 May 08 j 03:58	18° ♊ 13'17	-3°24'43
inferior conj	-12265 May 25 j 16:01	4° ♈ 51'48	-3°14'01	inferior conj	-12264 May 08 j 04:28	18° ♊ 11'59	3°25'13
minimum elong	-12265 May 25 j 17:39	4° ♈ 47'00	3°14'10	minimum elong	-12264 May 14 j 12:07	12° ♊ 54'15	
	-12265 May 30 j 11:26	30° ♊		morning rise	-12264 May 17 j 07:34	12° ♊ 14'24	
morning rise	-12265 May 31 j 15:00	29° ♊ 15'27		direct	-12264 May 23 j 19:14	15° ♊ 38'23	18°07'11
direct	-12265 Jun 03 j 15:53	28° ♊ 24'40		morning max el	-12264 May 25 j 19:04	17° ♊ 50'40	
	-12265 Jun 07 j 22:20	0° ♈		asc. node	-12264 Jun 02 j 22:53	0° ♈	
asc. node	-12265 Jun 08 j 22:17	0° ♈ 46'57			-12264 Jun 10 j 09:52	12° ♈ 45'18	
morning max el	-12265 Jun 10 j 05:53	2° ♈ 00'45	18°29'30	morning set	-12264 Jun 20 j 13:38	0° ♈	
	-12265 Jun 28 j 22:16	0° ♊					
morning set	-12265 Jun 29 j 21:49	1° ♊ 37'03					
				superior conj	-12264 Jun 23 j 06:10	4° ♊ 26'34	1°36'27
superior conj	-12265 Jul 14 j 14:58	25° ♊ 27'37	1°08'06	minimum elong	-12264 Jun 23 j 11:06	4° ♊ 46'52	1°36'11
minimum elong	-12265 Jul 14 j 21:32	25° ♊ 53'43	1°07'45	max. Earth dist.	-12264 Jun 28 j 14:11	13° ♊ 06'22	1.43718 AU
max. Earth dist.	-12265 Jul 16 j 23:36	29° ♊ 12'39	1.44463 AU	evening rise	-12264 Jul 09 j 10:07	0° ♊ 11'52	
	-12265 Jul 17 j 11:32	0° ♈			-12264 Jul 09 j 07:04	0° ♈	
desc. node	-12265 Jul 26 j 23:47	15° ♈ 00'17		desc. node	-12264 Jul 12 j 21:16	5° ♈ 33'23	
evening rise	-12265 Jul 31 j 05:08	21° ♈ 38'40			-12264 Jul 29 j 08:07	0° ♊	
	-12265 Aug 05 j 12:55	0° ♊		evening max el	-12264 Aug 05 j 20:10	9° ♊ 15'14	20°21'41
greatest brilliancy	-12265 Aug 09 j 01:10	5° ♊ 28'18	-0.8m	retrograde	-12264 Aug 13 j 15:58	13° ♊ 48'57	
evening max el	-12265 Aug 23 j 16:03	25° ♊ 47'12	19°23'43	evening set	-12264 Aug 17 j 09:44	12° ♊ 28'17	
retrograde	-12265 Aug 30 j 19:09	29° ♊ 51'53		asc. node	-12264 Aug 21 j 20:06	7° ♊ 45'03	
evening set	-12265 Sep 03 j 02:25	28° ♊ 48'44		inferior conj	-12264 Aug 22 j 20:10	6° ♊ 25'05	0°18'53
asc. node	-12265 Sep 04 j 23:09	27° ♊ 19'26		minimum elong	-12264 Aug 22 j 19:44	6° ♊ 26'33	0°19'22
inferior conj	-12265 Sep 08 j 18:31	22° ♊ 55'04	1°10'48	min. Earth dist.	-12264 Aug 23 j 15:22	5° ♊ 20'45	0.66615 AU
minimum elong	-12265 Sep 08 j 16:54	23° ♊ 00'15	1°10'55	morning rise	-12264 Aug 28 j 05:31	0° ♊ 04'07	
min. Earth dist.	-12265 Sep 10 j 00:56	21° ♊ 18'06	0.65864 AU		-12264 Aug 28 j 07:27	30° ♊	
morning rise	-12265 Sep 14 j 07:03	16° ♊ 37'54		direct	-12264 Sep 02 j 17:23	27° ♈ 44'07	
direct	-12265 Sep 20 j 09:05	14° ♊ 03'28			-12264 Sep 08 j 20:48	0° ♊	
morning max el	-12265 Oct 02 j 19:51	21° ♊ 20'06	26°00'41	morning max el	-12264 Sep 14 j 05:47	4° ♊ 36'01	24°46'05

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12264 Oct 03 j 20:27	0°☿		morning rise	-12263 Aug 12 j 08:54	13°♄38'14	
desc. node	-12264 Oct 08 j 19:23	7°♄34'18		direct	-12263 Aug 17 j 06:43	11°♄35'37	
morning set	-12264 Oct 20 j 01:01	26°♄11'04		morning max el	-12263 Aug 27 j 16:16	17°♄51'13	23°23'00
	-12264 Oct 22 j 04:41	0°♌			-12263 Sep 06 j 17:53	0°♌	
max. Earth dist.	-12264 Oct 23 j 23:28	3°♌13'25	1.37774 AU	desc. node	-12263 Sep 25 j 16:20	27°♌56'03	
					-12263 Sep 26 j 23:18	0°♄	
superior conj	-12264 Oct 30 j 12:51	15°♌34'51	-1°37'10	morning set	-12263 Oct 01 j 05:48	6°♄59'22	
minimum elong	-12264 Oct 30 j 12:15	15°♌31'56	1°36'37	max. Earth dist.	-12263 Oct 05 j 21:59	14°♄55'50	1.39743 AU
	-12264 Nov 06 j 19:36	0°♍					
evening rise	-12264 Nov 07 j 22:04	2°♍11'55		superior conj	-12263 Oct 13 j 09:52	28°♄21'02	-1°29'50
asc. node	-12264 Nov 17 j 18:51	20°♍23'36		minimum elong	-12263 Oct 13 j 07:26	28°♄09'50	1°29'03
evening max el	-12264 Nov 24 j 21:55	29°♍34'57	19°15'09		-12263 Oct 14 j 07:13	0°♌	
	-12264 Nov 25 j 08:42	0°♌		evening rise	-12263 Oct 22 j 17:04	16°♌00'44	
retrograde	-12264 Dec 03 j 20:32	3°♌50'18			-12263 Oct 30 j 06:01	0°♍	
evening set	-12264 Dec 06 j 08:49	3°♌31'38		asc. node	-12263 Nov 04 j 16:08	8°♍22'11	
	-12264 Dec 13 j 11:29	30°♍		evening max el	-12263 Nov 07 j 23:18	12°♍10'04	18°32'56
inferior conj	-12264 Dec 14 j 12:24	29°♍17'58	4°09'09	retrograde	-12263 Nov 15 j 18:28	15°♍59'31	
minimum elong	-12264 Dec 14 j 14:54	29°♍13'42	4°08'58	evening set	-12263 Nov 18 j 05:42	15°♍37'50	
min. Earth dist.	-12264 Dec 17 j 08:37	27°♍22'26	0.57246 AU	inferior conj	-12263 Nov 25 j 20:34	11°♍04'26	4°16'01
morning rise	-12264 Dec 22 j 18:52	24°♍25'38		minimum elong	-12263 Nov 25 j 19:26	11°♍06'40	4°16'13
direct	-12264 Dec 27 j 22:57	23°♍23'48		min. Earth dist.	-12263 Nov 29 j 01:24	8°♍34'48	0.58944 AU
desc. node	-12263 Jan 04 j 21:07	25°♍47'05		morning rise	-12263 Dec 03 j 07:20	5°♍50'02	
	-12263 Jan 10 j 10:01	0°♌		direct	-12263 Dec 09 j 14:23	4°♍10'23	
morning max el	-12263 Jan 10 j 22:22	0°♌29'02	24°59'39	desc. node	-12263 Dec 22 j 17:43	10°♍37'12	
	-12263 Jan 31 j 06:37	0°♍		morning max el	-12263 Dec 23 j 15:23	11°♍27'45	26°20'36
morning set	-12263 Feb 06 j 06:29	12°♍02'04			-12262 Jan 07 j 02:14	0°♌	
				morning set	-12262 Jan 21 j 17:57	27°♌04'45	
superior conj	-12263 Feb 13 j 05:58	27°♍03'11	-0°04'06		-12262 Jan 23 j 03:11	0°♍	
minimum elong	-12263 Feb 13 j 06:09	27°♍04'14	0°04'40				
behind sun begin	-12263 Feb 13 j 01:17	26°♍37'50		superior conj	-12262 Jan 28 j 17:26	12°♍06'48	-0°26'33
behind sun end	-12263 Feb 13 j 11:01	27°♍30'37		minimum elong	-12262 Jan 28 j 18:29	12°♍12'34	0°26'50
asc. node	-12263 Feb 13 j 16:20	27°♍59'21		max. Earth dist.	-12262 Jan 28 j 23:51	12°♍41'51	1.32816 AU
max. Earth dist.	-12263 Feb 14 j 11:06	29°♍40'48	1.33135 AU	asc. node	-12262 Jan 31 j 13:34	18°♍17'35	
	-12263 Feb 14 j 14:39	0°♍		evening rise	-12262 Feb 04 j 20:25	27°♍23'28	
evening rise	-12263 Feb 20 j 14:10	12°♍35'19			-12262 Feb 06 j 02:53	0°♍	
	-12263 Mar 01 j 17:39	0°♄			-12262 Feb 23 j 07:19	0°♄	
	-12263 Mar 22 j 18:01	0°♄		evening max el	-12262 Mar 06 j 16:56	13°♄48'48	26°39'57
evening max el	-12263 Mar 24 j 13:55	1°♄50'45	27°19'16	retrograde	-12262 Mar 20 j 19:58	21°♄13'39	
desc. node	-12263 Apr 02 j 21:48	8°♄26'02		desc. node	-12262 Mar 20 j 18:52	21°♄13'38	
retrograde	-12263 Apr 07 j 13:35	9°♄23'40		evening set	-12262 Mar 27 j 00:31	19°♄33'42	
evening set	-12263 Apr 14 j 07:59	7°♄10'47		min. Earth dist.	-12262 Mar 31 j 06:23	16°♄42'55	0.59750 AU
min. Earth dist.	-12263 Apr 18 j 02:13	4°♄12'50	0.61730 AU	inferior conj	-12262 Apr 03 j 14:25	13°♄59'15	-2°53'44
inferior conj	-12263 Apr 21 j 04:36	1°♄18'15	-3°19'47	minimum elong	-12262 Apr 03 j 11:33	14°♄05'09	2°53'59
minimum elong	-12263 Apr 21 j 03:26	1°♄21'00	3°20'20	morning rise	-12262 Apr 11 j 01:16	9°♄18'46	
	-12263 Apr 22 j 14:23	30°♍		direct	-12262 Apr 13 j 11:34	8°♄56'26	
morning rise	-12263 Apr 28 j 00:40	26°♄18'11		morning max el	-12262 Apr 20 j 20:37	12°♄31'51	18°18'00
direct	-12263 Apr 30 j 15:25	25°♄47'50		asc. node	-12262 Apr 29 j 12:43	24°♄30'25	
morning max el	-12263 May 07 j 09:03	29°♄11'09	18°03'08		-12262 May 02 j 15:19	0°♄	
	-12263 May 08 j 04:10	0°♄		morning set	-12262 May 06 j 22:49	8°♄00'52	
asc. node	-12263 May 12 j 15:52	5°♄49'12					
morning set	-12263 May 23 j 19:46	24°♄56'35		superior conj	-12262 May 16 j 18:37	26°♄16'27	1°46'34
	-12263 May 26 j 15:06	0°♋		minimum elong	-12262 May 16 j 16:56	26°♄08'50	1°46'05
					-12262 May 18 j 20:26	0°♋	
superior conj	-12263 Jun 03 j 23:29	14°♋42'36	1°48'24	max. Earth dist.	-12262 May 24 j 03:11	9°♋12'34	1.40686 AU
minimum elong	-12263 Jun 04 j 00:38	14°♋47'36	1°48'10	evening rise	-12262 May 29 j 07:36	17°♋53'01	
max. Earth dist.	-12263 Jun 10 j 23:28	26°♋29'11	1.42396 AU		-12262 Jun 05 j 21:53	0°♎	
	-12263 Jun 13 j 03:01	0°♎		desc. node	-12262 Jun 16 j 16:16	16°♎04'31	
evening rise	-12263 Jun 18 j 11:37	8°♎34'59			-12262 Jun 27 j 01:00	0°♏	
desc. node	-12263 Jun 29 j 18:46	25°♎56'21		evening max el	-12262 Jul 02 j 08:03	5°♏58'53	22°52'26
	-12263 Jul 02 j 12:32	0°♏		retrograde	-12262 Jul 12 j 05:49	11°♏51'39	
evening max el	-12263 Jul 19 j 17:17	22°♏38'30	21°32'39	evening set	-12262 Jul 17 j 02:09	9°♏49'38	
retrograde	-12263 Jul 28 j 12:01	27°♏49'32		inferior conj	-12262 Jul 22 j 07:18	3°♏35'48	-1°17'33
evening set	-12263 Aug 01 j 18:17	26°♏08'49		minimum elong	-12262 Jul 22 j 08:48	3°♏30'38	1°16'37
inferior conj	-12263 Aug 07 j 01:01	19°♏59'02	-0°31'05	min. Earth dist.	-12262 Jul 22 j 05:21	3°♏42'33	0.67244 AU
minimum elong	-12263 Aug 07 j 01:40	19°♏56'49	0°30'17		-12262 Jul 25 j 00:26	30°♎	
min. Earth dist.	-12263 Aug 07 j 09:39	19°♏29'17	0.67075 AU	asc. node	-12262 Jul 26 j 13:51	28°♎16'24	
asc. node	-12263 Aug 08 j 16:59	17°♏43'09		morning rise	-12262 Jul 27 j 15:20	27°♎19'05	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

direct	-12262 Aug 01 j 00:14	25° Υ 34'35		direct	-12261 Jul 15 j 20:40	9° Υ 37'58	
	-12262 Aug 09 j 02:39	0° \mathcal{B}		morning max el	-12261 Jul 24 j 01:12	14° Υ 29'07	20°43'57
morning max el	-12262 Aug 10 j 05:53	1° \mathcal{B} 07'32	21°59'59		-12261 Aug 04 j 23:55	0° \mathcal{B}	
	-12262 Aug 31 j 16:08	0° Π		morning set	-12261 Aug 21 j 15:12	25° \mathcal{B} 10'25	
morning set	-12262 Sep 11 j 08:15	16° Π 31'28			-12261 Aug 24 j 17:11	0° Π	
desc. node	-12262 Sep 12 j 13:22	18° Π 28'00		desc. node	-12261 Aug 30 j 10:31	9° Π 06'24	
max. Earth dist.	-12262 Sep 18 j 00:06	27° Π 22'11	1.41649 AU	max. Earth dist.	-12261 Aug 31 j 08:53	10° Π 36'38	1.43218 AU
	-12262 Sep 19 j 13:51	0° \mathcal{E}					
				superior conj	-12261 Sep 06 j 10:38	20° Π 34'17	-0°41'12
superior conj	-12262 Sep 25 j 10:58	10° \mathcal{E} 05'28	-1°11'41	minimum elong	-12261 Sep 06 j 07:02	20° Π 19'20	0°40'02
minimum elong	-12262 Sep 25 j 07:02	9° \mathcal{E} 48'15	1°10'36		-12261 Sep 12 j 00:33	0° \mathcal{E}	
evening rise	-12262 Oct 06 j 01:25	29° \mathcal{E} 15'05		evening rise	-12261 Sep 18 j 18:52	11° \mathcal{E} 45'19	
	-12262 Oct 06 j 11:10	0° Ω			-12261 Sep 29 j 11:38	0° Ω	
evening max el	-12262 Oct 22 j 07:49	25° Ω 09'29	18°10'53	evening max el	-12261 Oct 05 j 20:27	8° Ω 25'31	18°08'12
asc. node	-12262 Oct 22 j 13:25	25° Ω 23'10		asc. node	-12261 Oct 09 j 10:39	11° Ω 10'55	
retrograde	-12262 Oct 29 j 09:02	28° Ω 45'11		retrograde	-12261 Oct 12 j 12:43	11° Ω 58'02	
evening set	-12262 Oct 31 j 20:54	28° Ω 18'51		evening set	-12261 Oct 15 j 03:03	11° Ω 25'08	
inferior conj	-12262 Nov 07 j 23:21	23° Ω 23'44	3°55'41	inferior conj	-12261 Oct 21 j 17:59	6° Ω 09'40	3°18'30
minimum elong	-12262 Nov 07 j 20:03	23° Ω 31'09	3°55'39	minimum elong	-12261 Oct 21 j 14:09	6° Ω 19'28	3°18'11
min. Earth dist.	-12262 Nov 11 j 00:21	20° Ω 40'18	0.60791 AU	min. Earth dist.	-12261 Oct 24 j 08:29	3° Ω 30'55	0.62545 AU
morning rise	-12262 Nov 14 j 17:51	17° Ω 50'16		morning rise	-12261 Oct 28 j 00:15	0° Ω 19'36	
direct	-12262 Nov 21 j 15:55	15° Ω 37'14			-12261 Oct 28 j 11:22	30° \mathcal{R} \mathcal{E}	
morning max el	-12262 Dec 05 j 14:25	23° Ω 01'27	27°14'19	direct	-12261 Nov 04 j 01:35	27° \mathcal{E} 44'53	
desc. node	-12262 Dec 09 j 14:19	27° Ω 13'56			-12261 Nov 11 j 04:45	0° Ω	
	-12262 Dec 11 j 22:14	0° \mathcal{M}		morning max el	-12261 Nov 17 j 19:38	5° Ω 14'38	27°34'08
	-12262 Dec 31 j 01:31	0° $\underline{\Omega}$		desc. node	-12261 Nov 26 j 10:56	15° Ω 07'43	
morning set	-12261 Jan 06 j 02:27	11° $\underline{\Omega}$ 57'08			-12261 Dec 06 j 15:39	0° \mathcal{M}	
max. Earth dist.	-12261 Jan 12 j 12:59	25° $\underline{\Omega}$ 41'41	1.32831 AU	morning set	-12261 Dec 21 j 05:50	26° \mathcal{M} 31'31	
					-12261 Dec 22 j 22:36	0° $\underline{\Omega}$	
superior conj	-12261 Jan 13 j 05:15	27° $\underline{\Omega}$ 10'22	-0°47'22	max. Earth dist.	-12261 Dec 26 j 22:49	8° $\underline{\Omega}$ 27'13	1.33196 AU
minimum elong	-12261 Jan 13 j 06:57	27° $\underline{\Omega}$ 19'36	0°47'24				
	-12261 Jan 14 j 12:20	0° \mathcal{M}		superior conj	-12261 Dec 28 j 15:46	12° $\underline{\Omega}$ 07'42	-1°05'49
asc. node	-12261 Jan 18 j 10:52	8° \mathcal{M} 31'43		minimum elong	-12261 Dec 28 j 17:47	12° $\underline{\Omega}$ 18'36	1°05'40
evening rise	-12261 Jan 20 j 06:00	12° \mathcal{M} 20'00		evening rise	-12260 Jan 04 j 17:08	27° $\underline{\Omega}$ 18'13	
	-12261 Jan 29 j 08:15	0° \mathcal{A}		asc. node	-12260 Jan 05 j 08:13	28° $\underline{\Omega}$ 37'05	
evening max el	-12261 Feb 16 j 14:28	25° \mathcal{A} 10'23	25°31'37		-12260 Jan 06 j 00:12	0° \mathcal{M}	
	-12261 Feb 22 j 20:26	0° \mathcal{Z}			-12260 Jan 23 j 18:54	0° \mathcal{A}	
retrograde	-12261 Mar 02 j 15:48	2° \mathcal{Z} 20'06		evening max el	-12260 Jan 29 j 08:00	6° \mathcal{A} 06'23	24°03'44
evening set	-12261 Mar 07 j 22:12	1° \mathcal{Z} 14'25		retrograde	-12260 Feb 11 j 23:31	12° \mathcal{A} 50'55	
desc. node	-12261 Mar 07 j 15:52	1° \mathcal{Z} 20'43		evening set	-12260 Feb 16 j 04:18	12° \mathcal{A} 11'45	
	-12261 Mar 10 j 10:50	30° \mathcal{R} \mathcal{A}		desc. node	-12260 Feb 22 j 12:47	9° \mathcal{A} 09'18	
min. Earth dist.	-12261 Mar 13 j 03:59	28° \mathcal{A} 17'17	0.57859 AU	min. Earth dist.	-12260 Feb 22 j 21:14	8° \mathcal{A} 56'29	0.56363 AU
inferior conj	-12261 Mar 16 j 05:55	26° \mathcal{A} 06'34	-2°00'36	inferior conj	-12260 Feb 25 j 01:39	7° \mathcal{A} 35'05	-0°38'12
minimum elong	-12261 Mar 16 j 02:28	26° \mathcal{A} 12'44	2°00'28	minimum elong	-12260 Feb 25 j 00:08	7° \mathcal{A} 37'26	0°38'25
morning rise	-12261 Mar 24 j 09:55	21° \mathcal{A} 44'59		morning rise	-12260 Mar 04 j 22:45	3° \mathcal{A} 28'06	
direct	-12261 Mar 26 j 16:04	21° \mathcal{A} 28'53		direct	-12260 Mar 07 j 02:33	3° \mathcal{A} 15'43	
morning max el	-12261 Apr 04 j 02:53	25° \mathcal{A} 30'23	18°52'22	morning max el	-12260 Mar 17 j 00:55	7° \mathcal{A} 57'37	19°46'31
	-12261 Apr 08 j 00:47	0° \mathcal{Z}			-12260 Mar 31 j 13:38	0° \mathcal{Z}	
asc. node	-12261 Apr 16 j 09:37	13° \mathcal{Z} 43'30		asc. node	-12260 Apr 02 j 06:33	3° \mathcal{Z} 20'40	
morning set	-12261 Apr 20 j 14:29	21° \mathcal{Z} 46'18		morning set	-12260 Apr 03 j 15:07	6° \mathcal{Z} 03'01	
	-12261 Apr 24 j 19:32	0° \approx					
superior conj	-12261 Apr 29 j 10:28	8° \approx 54'17	1°35'02	superior conj	-12260 Apr 11 j 17:45	22° \mathcal{Z} 21'41	1°17'19
minimum elong	-12261 Apr 29 j 07:32	8° \approx 40'24	1°34'13	minimum elong	-12260 Apr 11 j 14:46	22° \mathcal{Z} 06'57	1°16'16
max. Earth dist.	-12261 May 06 j 03:42	21° \approx 17'46	1.38815 AU		-12260 Apr 15 j 15:52	0° \approx	
evening rise	-12261 May 10 j 06:56	28° \approx 32'54		max. Earth dist.	-12260 Apr 17 j 05:56	3° \approx 00'40	1.37024 AU
	-12261 May 11 j 03:16	0° \mathcal{H}		evening rise	-12260 Apr 21 j 07:25	10° \approx 29'58	
	-12261 May 30 j 08:14	0° Υ			-12260 May 02 j 19:39	0° \mathcal{H}	
desc. node	-12261 Jun 03 j 13:47	5° Υ 51'24		desc. node	-12260 May 20 j 11:19	25° \mathcal{H} 07'44	
evening max el	-12261 Jun 14 j 18:48	19° Υ 19'09	24°14'50		-12260 May 24 j 15:16	0° Υ	
retrograde	-12261 Jun 25 j 20:21	25° Υ 52'09		evening max el	-12260 May 27 j 04:21	2° Υ 40'18	25°31'49
evening set	-12261 Jul 01 j 07:29	23° Υ 29'48		retrograde	-12260 Jun 08 j 06:48	9° Υ 45'39	
min. Earth dist.	-12261 Jul 06 j 00:03	17° Υ 58'58	0.67095 AU	evening set	-12260 Jun 14 j 08:11	7° Υ 07'12	
inferior conj	-12261 Jul 06 j 13:14	17° Υ 14'10	-1°59'11	min. Earth dist.	-12260 Jun 18 j 15:24	2° Υ 15'12	0.66596 AU
minimum elong	-12261 Jul 06 j 15:18	17° Υ 07'07	1°58'20	inferior conj	-12260 Jun 19 j 16:59	0° Υ 51'40	-2°34'40
morning rise	-12261 Jul 11 j 23:04	11° Υ 05'03		minimum elong	-12260 Jun 19 j 19:15	0° Υ 44'14	2°34'07
asc. node	-12261 Jul 13 j 10:40	10° Υ 11'04			-12260 Jun 20 j 08:53	30° \mathcal{R} \mathcal{H}	
				morning rise	-12260 Jun 25 j 06:22	24° \mathcal{H} 53'17	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

direct	-12260 Jun 28 j 18:28	23° H 41'58		direct	-12259 Jun 12 j 15:49	7° H 43'48	
asc. node	-12260 Jun 29 j 07:25	23° H 43'36		asc. node	-12259 Jun 16 j 04:09	8° H 49'44	
morning max el	-12260 Jul 06 j 03:03	27° H 57'21	19°39'41	morning max el	-12259 Jun 19 j 10:47	11° H 31'50	18°50'19
	-12260 Jul 07 j 23:28	0° Y			-12259 Jul 02 j 13:40	0° Y	
	-12260 Jul 28 j 10:24	0° B		morning set	-12259 Jul 10 j 17:01	13° Y 04'42	
morning set	-12260 Jul 30 j 20:00	3° B 44'59			-12259 Jul 21 j 07:04	0° B	
max. Earth dist.	-12260 Aug 12 j 22:55	24° B 24'33	1.44236 AU				
				superior conj	-12259 Jul 26 j 08:39	8° B 01'40	0°45'12
superior conj	-12260 Aug 16 j 06:47	29° B 43'19	0°00'16	minimum elong	-12259 Jul 26 j 13:49	8° B 22'05	0°45'03
minimum elong	-12260 Aug 16 j 06:53	29° B 43'43	0°00'53	max. Earth dist.	-12259 Jul 26 j 15:10	8° B 27'27	1.44583 AU
behind sun begin	-12260 Aug 15 j 19:55	28° B 59'45		desc. node	-12259 Aug 03 j 05:12	20° B 28'07	
behind sun end	-12260 Aug 16 j 17:52	0° II 27'45			-12259 Aug 09 j 04:53	0° II	
desc. node	-12260 Aug 16 j 07:49	29° B 47'27		evening rise	-12259 Aug 11 j 11:14	3° II 37'15	
	-12260 Aug 16 j 10:56	0° II			-12259 Aug 28 j 12:10	0° B	
evening rise	-12260 Aug 30 j 15:57	23° II 17'17		evening max el	-12259 Sep 01 j 22:08	5° B 20'44	18°57'09
	-12260 Sep 03 j 16:15	0° B		retrograde	-12259 Sep 08 j 18:59	9° B 13'23	
evening max el	-12260 Sep 18 j 10:09	21° B 50'49	18°23'57	evening set	-12259 Sep 11 j 21:01	8° B 19'05	
retrograde	-12260 Sep 25 j 01:11	25° B 29'10		asc. node	-12259 Sep 12 j 04:54	8° B 07'01	
asc. node	-12260 Sep 25 j 07:50	25° B 28'45		inferior conj	-12259 Sep 17 j 17:16	2° B 32'17	1°40'53
evening set	-12260 Sep 27 j 20:12	24° B 47'08		minimum elong	-12259 Sep 17 j 14:58	2° B 39'22	1°40'47
inferior conj	-12260 Oct 04 j 00:59	19° B 14'24	2°31'55	min. Earth dist.	-12259 Sep 19 j 06:38	0° B 37'36	0.65299 AU
minimum elong	-12260 Oct 03 j 21:39	19° B 23'50	2°31'35		-12259 Sep 19 j 19:09	30° R II	
min. Earth dist.	-12260 Oct 06 j 02:53	16° B 53'31	0.64066 AU	morning rise	-12259 Sep 23 j 08:24	26° II 18'44	
morning rise	-12260 Oct 09 j 22:23	13° B 10'40		direct	-12259 Sep 29 j 17:58	23° II 38'17	
direct	-12260 Oct 16 j 18:27	10° B 27'24			-12259 Oct 11 j 12:23	0° B	
morning max el	-12260 Oct 30 j 04:48	17° B 59'38	27°19'53	morning max el	-12259 Oct 12 j 15:10	1° B 04'31	26°36'08
	-12260 Nov 09 j 11:00	0° Q		desc. node	-12259 Oct 30 j 04:18	23° B 22'44	
desc. node	-12260 Nov 12 j 07:35	3° Q 55'45			-12259 Nov 03 j 11:42	0° Q	
	-12260 Nov 28 j 10:28	0° P		morning set	-12259 Nov 17 j 09:32	24° Q 06'56	
morning set	-12260 Dec 04 j 01:22	10° P 38'22			-12259 Nov 20 j 10:54	0° P	
max. Earth dist.	-12260 Dec 09 j 01:29	20° P 46'08	1.33945 AU	max. Earth dist.	-12259 Nov 21 j 17:55	2° P 33'01	1.35120 AU
superior conj	-12260 Dec 11 j 23:07	26° P 51'54	-1°21'04	superior conj	-12259 Nov 26 j 01:05	11° P 16'00	-1°32'02
minimum elong	-12260 Dec 12 j 01:04	27° P 02'16	1°20'48	minimum elong	-12259 Nov 26 j 02:29	11° P 23'14	1°31'41
	-12260 Dec 13 j 10:27	0° A		evening rise	-12259 Dec 03 j 13:16	26° P 54'42	
evening rise	-12260 Dec 19 j 04:07	12° A 11'35			-12259 Dec 05 j 01:26	0° A	
asc. node	-12260 Dec 22 j 05:37	18° A 28'21		asc. node	-12259 Dec 09 j 03:01	7° A 59'13	
	-12260 Dec 28 j 09:44	0° M		evening max el	-12259 Dec 23 j 02:33	28° A 10'33	21°01'45
evening max el	-12259 Jan 10 j 02:11	16° M 58'50	22°29'39		-12259 Dec 25 j 06:06	0° M	
retrograde	-12259 Jan 22 j 19:53	23° M 05'08		retrograde	-12258 Jan 03 j 10:21	3° M 29'44	
evening set	-12259 Jan 26 j 03:04	22° M 41'13		evening set	-12258 Jan 06 j 05:13	3° M 11'38	
min. Earth dist.	-12259 Feb 03 j 12:21	18° M 54'46	0.55543 AU		-12258 Jan 13 j 17:36	30° R II	
inferior conj	-12259 Feb 04 j 05:08	18° M 30'35	1°03'57	inferior conj	-12258 Jan 15 j 02:33	29° A 12'39	2°41'33
minimum elong	-12259 Feb 04 j 07:49	18° M 26'43	1°02'34	minimum elong	-12258 Jan 15 j 08:14	29° A 04'25	2°39'44
desc. node	-12259 Feb 08 j 09:35	16° M 14'03		min. Earth dist.	-12258 Jan 16 j 02:20	28° A 38'13	0.55582 AU
morning rise	-12259 Feb 13 j 13:38	14° M 26'51		morning rise	-12258 Jan 24 j 10:09	24° A 56'31	
direct	-12259 Feb 15 j 21:57	14° M 14'00		desc. node	-12258 Jan 26 j 06:17	24° A 38'43	
morning max el	-12259 Feb 27 j 12:21	19° M 46'28	20°59'49	direct	-12258 Jan 27 j 12:58	24° A 35'02	
	-12259 Mar 07 j 16:01	0° J			-12258 Feb 08 j 12:18	0° M	
morning set	-12259 Mar 18 j 21:53	20° J 43'02		morning max el	-12258 Feb 09 j 12:32	0° M 55'44	22°28'53
asc. node	-12259 Mar 20 j 03:36	23° J 15'58			-12258 Feb 28 j 14:19	0° J	
	-12259 Mar 23 j 09:24	0° B		morning set	-12258 Mar 03 j 08:25	5° J 38'03	
				asc. node	-12258 Mar 07 j 00:42	13° J 23'31	
superior conj	-12259 Mar 26 j 12:10	6° B 26'30	0°56'01				
minimum elong	-12259 Mar 26 j 09:49	6° B 14'29	0°54'54	superior conj	-12258 Mar 10 j 14:19	20° J 57'34	0°32'55
max. Earth dist.	-12259 Mar 30 j 15:35	14° B 48'02	1.35492 AU	minimum elong	-12258 Mar 10 j 12:55	20° J 50'12	0°31'56
evening rise	-12259 Apr 04 j 03:32	23° B 29'26		max. Earth dist.	-12258 Mar 13 j 11:23	26° J 58'27	1.34303 AU
	-12259 Apr 07 j 16:18	0° A			-12258 Mar 14 j 22:47	0° B	
	-12259 Apr 26 j 10:14	0° H		evening rise	-12258 Mar 18 j 13:53	7° B 14'33	
desc. node	-12259 May 07 j 08:45	13° H 41'13			-12258 Mar 31 j 06:37	0° A	
evening max el	-12259 May 09 j 14:36	16° H 00'29	26°34'43	evening max el	-12258 Apr 22 j 01:26	29° A 11'38	27°15'23
retrograde	-12259 May 22 j 12:40	23° H 26'21			-12258 Apr 22 j 21:36	0° H	
evening set	-12259 May 29 j 01:57	20° H 39'45		desc. node	-12258 Apr 24 j 06:05	1° H 13'40	
min. Earth dist.	-12259 Jun 02 j 01:17	16° H 26'48	0.65717 AU	retrograde	-12258 May 05 j 13:08	6° H 46'01	
inferior conj	-12259 Jun 03 j 16:32	14° H 26'27	-3°02'25	evening set	-12258 May 12 j 09:58	4° H 02'36	
minimum elong	-12259 Jun 03 j 18:33	14° H 20'14	3°02'18	min. Earth dist.	-12258 May 16 j 03:45	0° H 25'30	0.64445 AU
morning rise	-12259 Jun 09 j 11:24	8° H 41'23			-12258 May 16 j 12:59	30° R II	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

inferior conj	-12258 May 18 j 09:30	27° \approx 54'14	-3°20'14	min. Earth dist.	-12257 Apr 28 j 21:24	14° \approx 00'25	0.62808 AU
minimum elong	-12258 May 18 j 10:44	27° \approx 50'47	3°20'33	inferior conj	-12257 May 01 j 17:04	11° \approx 09'45	-3°24'53
morning rise	-12258 May 24 j 12:04	22° \approx 24'52		minimum elong	-12257 May 01 j 16:54	11° \approx 10'10	3°25'27
direct	-12258 May 27 j 10:24	21° \approx 39'02		morning rise	-12257 May 08 j 05:54	5° \approx 58'15	
morning max el	-12258 Jun 02 j 22:38	25° \approx 09'02	18°17'43	direct	-12257 May 10 j 23:20	5° \approx 22'31	
asc. node	-12258 Jun 03 j 00:53	25° \approx 14'45		morning max el	-12257 May 17 j 12:24	8° \approx 44'52	18°03'06
	-12258 Jun 06 j 23:12	0° \approx		asc. node	-12257 May 20 j 21:40	12° \approx 43'11	
morning set	-12258 Jun 21 j 14:46	23° \approx 32'31			-12257 May 31 j 14:20	0° \approx	
	-12258 Jun 25 j 11:27	0° \approx		morning set	-12257 Jun 03 j 12:42	5° \approx 09'04	
superior conj	-12258 Jul 05 j 13:02	16° \approx 28'35	1°22'07	superior conj	-12257 Jun 15 j 14:43	25° \approx 58'05	1°43'27
minimum elong	-12258 Jul 05 j 19:27	16° \approx 54'23	1°21'46	minimum elong	-12257 Jun 15 j 18:05	26° \approx 12'10	1°43'14
max. Earth dist.	-12258 Jul 09 j 06:49	22° \approx 27'54	1.44228 AU		-12257 Jun 18 j 00:55	0° \approx	
	-12258 Jul 14 j 01:00	0° \approx		max. Earth dist.	-12257 Jun 21 j 19:36	6° \approx 11'04	1.43225 AU
desc. node	-12258 Jul 21 j 02:39	11° \approx 04'51		evening rise	-12257 Jul 01 j 04:06	21° \approx 02'34	
evening rise	-12258 Jul 22 j 03:30	12° \approx 41'45			-12257 Jul 06 j 23:26	0° \approx	
	-12258 Aug 02 j 08:34	0° \approx		desc. node	-12257 Jul 08 j 00:07	1° \approx 34'04	
greatest brilliancy	-12258 Aug 03 j 02:05	1° \approx 06'20	-0.7m		-12257 Jul 28 j 04:39	0° \approx	
evening max el	-12258 Aug 16 j 05:47	18° \approx 50'45	19°46'40	evening max el	-12257 Jul 30 j 07:05	2° \approx 17'19	20°50'33
retrograde	-12258 Aug 23 j 15:13	23° \approx 06'34		retrograde	-12257 Aug 07 j 11:47	7° \approx 05'26	
evening set	-12258 Aug 27 j 02:40	21° \approx 56'29		evening set	-12257 Aug 11 j 10:44	5° \approx 36'25	
asc. node	-12258 Aug 30 j 01:53	19° \approx 12'21			-12257 Aug 16 j 10:37	30° \approx	
inferior conj	-12258 Sep 01 j 16:09	15° \approx 58'41	0°48'38	inferior conj	-12257 Aug 16 j 19:22	29° \approx 30'17	-0°02'41
minimum elong	-12258 Sep 01 j 15:02	16° \approx 02'19	0°48'54	minimum elong	-12257 Aug 16 j 19:25	29° \approx 30'09	0°02'02
min. Earth dist.	-12258 Sep 02 j 17:47	14° \approx 35'01	0.66224 AU	transit middle	-12257 Aug 16 j 19:25	29° \approx 30'09	0°02'02
morning rise	-12258 Sep 07 j 03:06	9° \approx 39'24		transit begin	-12257 Aug 16 j 16:42	29° \approx 39'20	
direct	-12258 Sep 12 j 23:18	7° \approx 10'13		transit end	-12257 Aug 16 j 22:07	29° \approx 20'57	
morning max el	-12258 Sep 25 j 01:05	14° \approx 17'57	25°30'24	asc. node	-12257 Aug 16 j 22:48	29° \approx 18'39	
	-12258 Oct 07 j 23:00	0° \approx		min. Earth dist.	-12257 Aug 17 j 10:02	28° \approx 40'29	0.66852 AU
desc. node	-12258 Oct 17 j 01:07	13° \approx 17'35		morning rise	-12257 Aug 22 j 03:55	23° \approx 09'11	
	-12258 Oct 27 j 06:19	0° \approx		direct	-12257 Aug 27 j 09:50	20° \approx 56'18	
morning set	-12258 Oct 31 j 01:52	6° \approx 44'24		morning max el	-12257 Sep 07 j 10:51	27° \approx 33'09	24°11'12
max. Earth dist.	-12258 Nov 03 j 23:55	13° \approx 57'59	1.36710 AU		-12257 Sep 09 j 18:02	0° \approx	
superior conj	-12258 Nov 09 j 18:56	25° \approx 11'45	-1°37'21		-12257 Oct 01 j 15:54	0° \approx	
minimum elong	-12258 Nov 09 j 19:13	25° \approx 13'11	1°36'54	desc. node	-12257 Oct 03 j 21:59	3° \approx 31'20	
	-12258 Nov 12 j 04:25	0° \approx		morning set	-12257 Oct 12 j 20:59	18° \approx 15'29	
evening rise	-12258 Nov 17 j 18:48	11° \approx 22'23		max. Earth dist.	-12257 Oct 16 j 23:38	25° \approx 26'52	1.38607 AU
asc. node	-12258 Nov 26 j 00:23	27° \approx 02'25			-12257 Oct 19 j 12:08	0° \approx	
	-12258 Nov 27 j 19:15	0° \approx		superior conj	-12257 Oct 24 j 00:52	8° \approx 27'03	-1°35'15
evening max el	-12258 Dec 05 j 12:36	9° \approx 55'00	19°48'40	minimum elong	-12257 Oct 23 j 23:31	8° \approx 20'37	1°34'37
retrograde	-12258 Dec 15 j 06:29	14° \approx 30'13		evening rise	-12257 Nov 01 j 18:25	25° \approx 27'29	
evening set	-12258 Dec 17 j 20:27	14° \approx 12'23			-12257 Nov 04 j 02:20	0° \approx	
inferior conj	-12258 Dec 26 j 07:11	10° \approx 07'46	3°48'41	asc. node	-12257 Nov 12 j 21:44	15° \approx 27'50	
minimum elong	-12258 Dec 26 j 11:42	10° \approx 00'36	3°47'53	evening max el	-12257 Nov 18 j 08:45	22° \approx 12'28	18°54'39
min. Earth dist.	-12258 Dec 28 j 15:35	8° \approx 39'04	0.56453 AU	retrograde	-12257 Nov 26 j 18:18	26° \approx 15'08	
morning rise	-12257 Jan 04 j 00:56	5° \approx 29'36		evening set	-12257 Nov 29 j 06:07	25° \approx 55'13	
direct	-12257 Jan 08 j 10:36	4° \approx 46'14		inferior conj	-12257 Dec 07 j 04:15	21° \approx 33'22	4°16'05
desc. node	-12257 Jan 13 j 02:56	5° \approx 36'25		minimum elong	-12257 Dec 07 j 05:06	21° \approx 31'49	4°16'12
morning max el	-12257 Jan 22 j 04:44	11° \approx 39'36	24°05'37	min. Earth dist.	-12257 Dec 10 j 05:50	19° \approx 21'22	0.57937 AU
	-12257 Feb 05 j 00:21	0° \approx		morning rise	-12257 Dec 15 j 02:09	16° \approx 31'36	
morning set	-12257 Feb 15 j 20:44	20° \approx 41'32		direct	-12257 Dec 20 j 19:03	15° \approx 14'05	
	-12257 Feb 20 j 05:22	0° \approx		desc. node	-12257 Dec 30 j 23:33	19° \approx 09'25	
asc. node	-12257 Feb 21 j 21:54	3° \approx 38'48		morning max el	-12256 Jan 03 j 19:37	22° \approx 24'34	25°36'46
superior conj	-12257 Feb 22 j 21:39	5° \approx 46'49	0°09'21		-12256 Jan 10 j 13:27	0° \approx	
minimum elong	-12257 Feb 22 j 21:17	5° \approx 44'49	0°08'37		-12256 Jan 28 j 13:46	0° \approx	
behind sun begin	-12257 Feb 22 j 16:56	5° \approx 21'26		morning set	-12256 Jan 31 j 09:01	5° \approx 46'06	
behind sun end	-12257 Feb 23 j 01:38	6° \approx 08'12		superior conj	-12256 Feb 07 j 08:06	20° \approx 46'27	-0°13'47
max. Earth dist.	-12257 Feb 24 j 16:27	9° \approx 36'08	1.33468 AU	minimum elong	-12256 Feb 07 j 08:41	20° \approx 49'37	0°14'14
evening rise	-12257 Mar 02 j 10:21	21° \approx 32'16		behind sun begin	-12256 Feb 07 j 06:32	20° \approx 37'51	
	-12257 Mar 06 j 18:26	0° \approx		behind sun end	-12256 Feb 07 j 10:51	21° \approx 01'24	
	-12257 Mar 25 j 05:23	0° \approx		max. Earth dist.	-12256 Feb 08 j 03:32	22° \approx 32'09	1.32964 AU
evening max el	-12257 Apr 04 j 11:08	12° \approx 02'30	27°27'11	asc. node	-12256 Feb 08 j 19:08	23° \approx 56'50	
desc. node	-12257 Apr 11 j 03:18	17° \approx 20'41			-12256 Feb 11 j 14:44	0° \approx	
retrograde	-12257 Apr 18 j 07:20	19° \approx 36'42		evening rise	-12256 Feb 14 j 13:44	6° \approx 11'15	
evening set	-12257 Apr 25 j 05:07	17° \approx 09'20			-12256 Feb 27 j 09:29	0° \approx	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening max el	-12256 Mar 16 j 17:03	24° Z 20'57	27°06'27		-12255 Feb 02 j 08:01	0° Z	
	-12256 Mar 24 j 03:18	0° \approx			-12255 Feb 21 j 04:48	0° Z	
desc. node	-12256 Mar 28 j 00:25	1° \approx 30'32		evening max el	-12255 Feb 26 j 17:26	6° Z 01'25	26°13'52
retrograde	-12256 Mar 30 j 18:10	1° \approx 50'21		retrograde	-12255 Mar 12 j 20:20	13° Z 21'22	
evening set	-12256 Apr 06 j 08:04	29° Z 50'41		desc. node	-12255 Mar 14 j 21:29	13° Z 10'48	
	-12256 Apr 06 j 01:44	30° R Z		evening set	-12255 Mar 18 j 16:29	11° Z 56'06	
min. Earth dist.	-12256 Apr 10 j 05:56	26° Z 57'46	0.60897 AU	min. Earth dist.	-12255 Mar 23 j 06:45	9° Z 04'23	0.58912 AU
inferior conj	-12256 Apr 13 j 11:49	24° Z 05'17	-3°11'43	inferior conj	-12255 Mar 26 j 14:07	6° Z 32'00	-2°34'45
minimum elong	-12256 Apr 13 j 09:53	24° Z 09'36	3°12'10	minimum elong	-12255 Mar 26 j 10:46	6° Z 38'28	2°34'49
morning rise	-12256 Apr 20 j 13:48	19° Z 13'29		morning rise	-12255 Apr 03 j 08:06	2° Z 00'15	
direct	-12256 Apr 23 j 02:49	18° Z 46'34		direct	-12255 Apr 05 j 16:37	1° Z 40'50	
morning max el	-12256 Apr 30 j 01:34	22° Z 13'03	18°07'11	morning max el	-12255 Apr 13 j 11:17	5° Z 25'17	18°30'22
	-12256 May 06 j 02:57	0° \approx		asc. node	-12255 Apr 23 j 15:22	19° Z 56'19	
asc. node	-12256 May 06 j 18:30	1° \approx 00'58			-12255 Apr 29 j 01:21	0° \approx	
morning set	-12256 May 16 j 06:31	17° \approx 44'33		morning set	-12255 Apr 29 j 15:23	1° \approx 07'00	
	-12256 May 22 j 23:38	0° H					
superior conj	-12256 May 26 j 19:31	6° H 48'38	1°49'04	superior conj	-12255 May 09 j 00:09	18° \approx 51'29	1°42'38
minimum elong	-12256 May 26 j 19:17	6° H 47'35	1°48'46	minimum elong	-12255 May 08 j 21:46	18° \approx 40'26	1°42'01
max. Earth dist.	-12256 Jun 03 j 03:07	19° H 20'33	1.41704 AU	max. Earth dist.	-12255 May 16 j 04:49	1° H 45'43	1.39883 AU
evening rise	-12256 Jun 09 j 11:26	29° H 43'12		evening rise	-12255 May 20 j 18:41	9° H 34'11	
	-12256 Jun 09 j 15:38	0° Y			-12255 Jun 02 j 15:22	0° Y	
desc. node	-12256 Jun 23 j 21:37	21° Y 51'45		desc. node	-12255 Jun 10 j 19:09	11° Y 51'53	
	-12256 Jun 29 j 13:33	0° B		evening max el	-12255 Jun 24 j 13:52	28° Y 58'42	23°27'34
evening max el	-12256 Jul 12 j 01:22	15° B 39'30	22°05'46		-12255 Jun 25 j 14:54	0° B	
retrograde	-12256 Jul 21 j 07:03	21° B 07'50		retrograde	-12255 Jul 04 j 23:44	5° B 09'52	
evening set	-12256 Jul 25 j 19:16	19° B 17'48		evening set	-12255 Jul 10 j 02:19	2° B 58'45	
inferior conj	-12256 Jul 31 j 01:03	13° B 05'57	-0°51'18		-12255 Jul 12 j 20:41	30° R Y	
minimum elong	-12256 Jul 31 j 02:05	13° B 02'23	0°50'25	inferior conj	-12255 Jul 15 j 07:24	26° Y 43'36	-1°35'52
min. Earth dist.	-12256 Jul 31 j 05:08	12° B 51'50	0.67187 AU	minimum elong	-12255 Jul 15 j 09:11	26° Y 37'28	1°34'57
asc. node	-12256 Aug 02 j 19:39	9° B 25'01		min. Earth dist.	-12255 Jul 15 j 00:43	27° Y 06'40	0.67216 AU
morning rise	-12256 Aug 05 j 08:50	6° B 46'40		morning rise	-12255 Jul 20 j 16:00	20° Y 29'43	
direct	-12256 Aug 10 j 00:56	4° B 52'00		asc. node	-12255 Jul 20 j 16:29	20° Y 28'48	
morning max el	-12256 Aug 19 j 22:31	10° B 49'25	22°47'18	direct	-12255 Jul 24 j 19:46	18° Y 53'01	
	-12256 Sep 03 j 23:19	0° II		morning max el	-12255 Aug 02 j 14:28	24° Y 08'10	21°26'29
desc. node	-12256 Sep 19 j 18:59	23° II 58'18			-12255 Aug 07 j 15:25	0° B	
morning set	-12256 Sep 22 j 14:31	28° II 31'02			-12255 Aug 28 j 09:56	0° II	
	-12256 Sep 23 j 12:15	0° E		morning set	-12255 Sep 02 j 07:12	7° II 36'24	
max. Earth dist.	-12256 Sep 27 j 23:38	7° E 28'46	1.40585 AU	desc. node	-12255 Sep 06 j 16:06	14° II 33'36	
				max. Earth dist.	-12255 Sep 10 j 04:19	20° II 15'35	1.42372 AU
superior conj	-12256 Oct 05 j 14:08	20° E 48'54	-1°23'36		-12255 Sep 16 j 00:19	0° E	
minimum elong	-12256 Oct 05 j 10:57	20° E 34'33	1°22'40				
	-12256 Oct 10 j 14:00	0° O		superior conj	-12255 Sep 17 j 04:59	2° E 02'18	-1°00'17
evening rise	-12256 Oct 15 j 09:23	9° O 03'11		minimum elong	-12255 Sep 17 j 00:51	1° E 44'37	0°59'05
	-12256 Oct 27 j 10:31	0° M		evening rise	-12255 Sep 28 j 12:00	22° E 00'16	
asc. node	-12256 Oct 29 j 19:02	3° M 03'39			-12255 Oct 02 j 22:44	0° O	
evening max el	-12256 Oct 31 j 13:25	4° M 58'24	18°21'00	evening max el	-12255 Oct 15 j 00:01	18° O 05'37	18°07'23
retrograde	-12256 Nov 07 j 23:56	8° M 40'59		asc. node	-12255 Oct 16 j 16:16	19° O 35'27	
evening set	-12256 Nov 10 j 11:08	8° M 17'35		retrograde	-12255 Oct 21 j 20:36	21° O 39'01	
inferior conj	-12256 Nov 17 j 20:37	3° M 34'35	4°10'02	evening set	-12255 Oct 24 j 09:07	21° O 10'19	
minimum elong	-12256 Nov 17 j 18:20	3° M 39'19	4°10'11	inferior conj	-12255 Oct 31 j 06:34	16° O 06'27	3°41'28
min. Earth dist.	-12256 Nov 21 j 00:48	0° M 56'43	0.59731 AU	minimum elong	-12255 Oct 31 j 02:52	16° O 15'15	3°41'17
	-12256 Nov 22 j 06:12	30° R O		min. Earth dist.	-12255 Nov 03 j 03:42	13° O 22'39	0.61558 AU
morning rise	-12256 Nov 24 j 23:54	28° O 11'29		morning rise	-12255 Nov 06 j 19:21	10° O 25'17	
direct	-12256 Dec 01 j 14:39	26° O 16'50		direct	-12255 Nov 13 j 19:59	8° O 01'09	
	-12256 Dec 11 j 08:01	0° M		morning max el	-12255 Nov 27 j 17:12	15° O 28'54	27°26'59
morning max el	-12256 Dec 15 j 15:11	3° M 37'17	26°47'22	desc. node	-12255 Dec 03 j 16:49	22° O 01'47	
desc. node	-12256 Dec 16 j 20:10	4° M 48'50			-12255 Dec 09 j 17:24	0° M	
	-12255 Jan 03 j 23:04	0° A			-12255 Dec 27 j 08:16	0° A	
morning set	-12255 Jan 14 j 19:28	20° A 45'08		morning set	-12255 Dec 30 j 02:08	5° A 31'27	
	-12255 Jan 19 j 03:37	0° M		max. Earth dist.	-12254 Jan 05 j 05:03	18° A 29'18	1.32936 AU
superior conj	-12255 Jan 21 j 19:55	5° M 50'21	-0°35'39	superior conj	-12254 Jan 06 j 07:26	20° A 52'34	-0°55'33
minimum elong	-12255 Jan 21 j 21:16	5° M 57'46	0°35'49	minimum elong	-12254 Jan 06 j 09:18	21° A 02'45	0°55'30
max. Earth dist.	-12255 Jan 21 j 16:57	5° M 34'09	1.32783 AU		-12254 Jan 10 j 12:13	0° M	
asc. node	-12255 Jan 25 j 16:26	14° M 13'35		asc. node	-12254 Jan 12 j 13:46	4° M 24'54	
evening rise	-12255 Jan 28 j 21:37	21° M 03'14		evening rise	-12254 Jan 13 j 08:05	6° M 01'29	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12254 Jan 26 j 04:07	0°♊		evening max el	-12253 Jan 21 j 06:11	28°♍02'57	23°23'46
evening max el	-12254 Feb 08 j 12:49	17°♊10'19	24°55'53		-12253 Jan 23 j 12:02	0°♊	
retrograde	-12254 Feb 22 j 11:44	24°♊11'38		retrograde	-12253 Feb 03 j 14:09	4°♊32'15	
evening set	-12254 Feb 27 j 06:57	23°♊18'37		evening set	-12253 Feb 07 j 08:38	4°♊01'10	
desc. node	-12254 Mar 01 j 18:27	22°♊13'03		min. Earth dist.	-12253 Feb 14 j 18:57	0°♊34'24	0.55916 AU
min. Earth dist.	-12254 Mar 05 j 02:28	20°♊14'56	0.57147 AU		-12253 Feb 15 j 18:03	30°♋♍	
inferior conj	-12254 Mar 07 j 21:14	18°♊23'31	-1°29'01	inferior conj	-12253 Feb 16 j 09:18	29°♋37'10	0°03'49
minimum elong	-12254 Mar 07 j 18:14	18°♊28'32	1°28'54	minimum elong	-12253 Feb 16 j 09:26	29°♋36'58	0°03'10
morning rise	-12254 Mar 16 j 08:47	14°♊09'05		transit middle	-12253 Feb 16 j 09:26	29°♋36'58	0°03'10
direct	-12254 Mar 18 j 13:14	13°♊55'07		transit begin	-12253 Feb 16 j 05:29	29°♋42'53	
morning max el	-12254 Mar 27 j 14:32	18°♊12'33	19°13'03	transit end	-12253 Feb 16 j 13:23	29°♋31'05	
	-12254 Apr 05 j 08:52	0°♋		desc. node	-12253 Feb 16 j 15:19	29°♋28'13	
asc. node	-12254 Apr 10 j 12:18	9°♋20'49		morning rise	-12253 Feb 25 j 12:18	25°♋32'53	
morning set	-12254 Apr 13 j 11:16	15°♋06'55		direct	-12253 Feb 27 j 16:45	25°♋20'56	
	-12254 Apr 21 j 00:02	0°♌			-12253 Mar 09 j 21:50	0°♊	
				morning max el	-12253 Mar 10 j 08:14	0°♊24'11	20°15'24
superior conj	-12254 Apr 21 j 23:12	1°♌52'24	1°28'06	asc. node	-12253 Mar 28 j 09:18	29°♊06'35	
minimum elong	-12254 Apr 21 j 20:09	1°♌37'35	1°27'10	morning set	-12253 Mar 28 j 14:50	29°♊34'36	
max. Earth dist.	-12254 Apr 28 j 04:49	13°♌36'33	1.38024 AU		-12253 Mar 28 j 19:51	0°♋	
evening rise	-12254 May 02 j 05:22	20°♌48'58					
	-12254 May 07 j 14:22	0°♌		superior conj	-12253 Apr 05 j 11:40	15°♋36'50	1°08'36
	-12254 May 27 j 14:07	0°♍		minimum elong	-12253 Apr 05 j 08:54	15°♋22'55	1°07'29
desc. node	-12254 May 28 j 16:39	1°♍27'07		max. Earth dist.	-12253 Apr 10 j 09:40	25°♋18'22	1.36337 AU
evening max el	-12254 Jun 06 j 23:44	12°♍19'09	24°48'48		-12253 Apr 12 j 20:57	0°♌	
retrograde	-12254 Jun 18 j 12:44	19°♍07'50		evening rise	-12253 Apr 14 j 14:56	3°♌14'54	
evening set	-12254 Jun 24 j 05:57	16°♍38'05			-12253 Apr 30 j 13:51	0°♌	
min. Earth dist.	-12254 Jun 28 j 18:24	11°♍23'17	0.66922 AU	desc. node	-12253 May 15 j 14:06	20°♌26'59	
inferior conj	-12254 Jun 29 j 12:39	10°♍22'04	-2°15'05	evening max el	-12253 May 20 j 09:41	25°♌41'16	26°00'56
minimum elong	-12254 Jun 29 j 14:52	10°♍14'39	2°14'21		-12253 May 25 j 09:42	0°♍	
morning rise	-12254 Jul 04 j 23:45	4°♍16'52		retrograde	-12253 Jun 01 j 21:14	2°♍56'23	
asc. node	-12254 Jul 07 j 13:16	3°♍04'19		evening set	-12253 Jun 08 j 03:59	0°♍13'38	
direct	-12254 Jul 08 j 17:02	2°♍56'44			-12253 Jun 08 j 10:05	30°♋♌	
morning max el	-12254 Jul 16 j 12:29	7°♍32'13	20°14'53	min. Earth dist.	-12253 Jun 12 j 07:46	25°♋38'09	0.66267 AU
	-12254 Aug 01 j 23:10	0°♎		inferior conj	-12253 Jun 13 j 14:53	23°♋58'54	-2°47'32
morning set	-12254 Aug 12 j 10:39	16°♎06'13		minimum elong	-12253 Jun 13 j 17:07	23°♋51'47	2°47'09
	-12254 Aug 21 j 06:51	0°♎		morning rise	-12253 Jun 19 j 06:19	18°♋05'38	
max. Earth dist.	-12254 Aug 23 j 14:59	3°♎44'05	1.43727 AU	direct	-12253 Jun 22 j 15:01	17°♋00'13	
desc. node	-12254 Aug 24 j 13:18	5°♎13'39		asc. node	-12253 Jun 24 j 10:01	17°♋17'55	
				morning max el	-12253 Jun 29 j 16:52	21°♋02'48	19°16'42
superior conj	-12254 Aug 28 j 16:45	11°♎56'39	-0°24'40		-12253 Jul 06 j 17:54	0°♍	
minimum elong	-12254 Aug 28 j 14:19	11°♎46'41	0°23'40	morning set	-12253 Jul 22 j 20:35	24°♍55'28	
	-12254 Sep 08 j 11:47	0°♏			-12253 Jul 26 j 01:44	0°♎	
evening rise	-12254 Sep 10 j 21:29	4°♏07'22		max. Earth dist.	-12253 Aug 06 j 06:27	17°♎41'17	1.44469 AU
	-12254 Sep 27 j 05:41	0°♏					
evening max el	-12254 Sep 28 j 13:32	1°♏26'57	18°12'44	superior conj	-12253 Aug 08 j 03:14	20°♎39'00	0°19'33
asc. node	-12254 Oct 03 j 13:28	4°♏47'05		minimum elong	-12253 Aug 08 j 05:37	20°♎48'29	0°19'49
retrograde	-12254 Oct 05 j 04:20	5°♏00'38		desc. node	-12253 Aug 11 j 10:37	25°♎55'10	
evening set	-12254 Oct 07 j 20:24	4°♏24'14			-12253 Aug 13 j 23:45	0°♎	
	-12254 Oct 13 j 08:41	30°♏♏		evening rise	-12253 Aug 23 j 08:09	15°♎10'32	
inferior conj	-12254 Oct 14 j 06:53	29°♏01'22	2°59'32		-12253 Sep 01 j 10:11	0°♏	
minimum elong	-12254 Oct 14 j 03:09	29°♏11'18	2°59'10	evening max el	-12253 Sep 12 j 02:57	14°♏55'54	18°36'03
min. Earth dist.	-12254 Oct 16 j 16:14	26°♏28'41	0.63230 AU	retrograde	-12253 Sep 18 j 19:26	18°♏38'54	
morning rise	-12254 Oct 20 j 09:01	23°♏05'11		asc. node	-12253 Sep 20 j 10:35	18°♏24'03	
direct	-12254 Oct 27 j 09:09	20°♏24'55		evening set	-12253 Sep 21 j 17:15	17°♏51'54	
morning max el	-12254 Nov 10 j 00:14	27°♏56'34	27°31'57	inferior conj	-12253 Sep 27 j 18:12	12°♏12'49	2°10'36
	-12254 Nov 12 j 00:48	0°♏		minimum elong	-12253 Sep 27 j 15:15	12°♏21'27	2°10'21
desc. node	-12254 Nov 20 j 13:26	10°♏21'19		min. Earth dist.	-12253 Sep 29 j 14:38	10°♏02'32	0.64631 AU
	-12254 Dec 03 j 08:51	0°♐		morning rise	-12253 Oct 03 j 12:40	6°♏04'47	
morning set	-12254 Dec 14 j 02:32	19°♐55'36		direct	-12253 Oct 10 j 04:54	3°♏21'32	
	-12254 Dec 18 j 23:56	0°♐		morning max el	-12253 Oct 23 j 10:01	10°♏51'35	27°04'30
max. Earth dist.	-12254 Dec 19 j 12:04	1°♐04'04	1.33462 AU	desc. node	-12253 Nov 07 j 10:07	29°♏28'16	
					-12253 Nov 07 j 18:51	0°♏	
superior conj	-12254 Dec 21 j 16:51	5°♐45'44	-1°12'45		-12253 Nov 25 j 17:58	0°♐	
minimum elong	-12254 Dec 21 j 18:54	5°♐56'42	1°12'32	morning set	-12253 Nov 27 j 17:42	3°♐48'02	
evening rise	-12254 Dec 28 j 19:21	20°♐58'43		max. Earth dist.	-12253 Dec 02 j 10:45	13°♐10'29	1.34400 AU
asc. node	-12254 Dec 30 j 11:09	24°♐25'19					
	-12253 Jan 02 j 05:53	0°♑		superior conj	-12253 Dec 05 j 22:14	20°♐23'02	-1°26'18

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-12253 Dec 06 j 00:01	20° \mathbb{M} 32'23	1°26'00	minimum elong	-12252 Nov 18 j 22:06	4° \mathbb{M} 41'13	1°34'42
	-12253 Dec 10 j 11:21	0° \mathbb{A}		evening rise	-12252 Nov 26 j 13:39	20° \mathbb{M} 26'45	
evening rise	-12253 Dec 13 j 05:48	5° \mathbb{A} 49'14			-12252 Dec 01 j 08:56	0° \mathbb{A}	
asc. node	-12253 Dec 17 j 08:31	14° \mathbb{A} 09'09		asc. node	-12252 Dec 03 j 05:54	3° \mathbb{A} 29'29	
	-12253 Dec 26 j 13:33	0° \mathbb{M}		evening max el	-12252 Dec 15 j 06:32	20° \mathbb{A} 25'56	20°28'21
evening max el	-12252 Jan 03 j 02:27	9° \mathbb{M} 01'41	21°50'47	retrograde	-12252 Dec 25 j 22:07	25° \mathbb{A} 25'51	
retrograde	-12252 Jan 15 j 06:21	14° \mathbb{M} 47'46		evening set	-12252 Dec 28 j 14:17	25° \mathbb{A} 08'16	
evening set	-12252 Jan 18 j 07:29	14° \mathbb{M} 27'05		inferior conj	-12251 Jan 06 j 07:29	21° \mathbb{A} 08'16	3°14'48
inferior conj	-12252 Jan 27 j 08:35	10° \mathbb{M} 23'46	1°47'40	minimum elong	-12251 Jan 06 j 13:11	20° \mathbb{A} 59'45	3°13'18
minimum elong	-12252 Jan 27 j 12:57	10° \mathbb{M} 17'33	1°45'54	min. Earth dist.	-12251 Jan 07 j 22:30	20° \mathbb{A} 10'13	0.55865 AU
min. Earth dist.	-12252 Jan 27 j 09:13	10° \mathbb{M} 22'51	0.55463 AU	morning rise	-12251 Jan 15 j 10:34	16° \mathbb{A} 43'41	
desc. node	-12252 Feb 03 j 12:04	6° \mathbb{M} 53'21		direct	-12251 Jan 19 j 01:22	16° \mathbb{A} 14'54	
morning rise	-12252 Feb 05 j 18:30	6° \mathbb{M} 16'47		desc. node	-12251 Jan 20 j 08:45	16° \mathbb{A} 18'47	
direct	-12252 Feb 08 j 09:07	6° \mathbb{M} 01'25		morning max el	-12251 Feb 01 j 10:49	22° \mathbb{A} 51'10	23°09'50
morning max el	-12252 Feb 20 j 14:36	11° \mathbb{M} 54'59	21°36'03		-12251 Feb 07 j 16:49	0° \mathbb{M}	
	-12252 Mar 04 j 14:26	0° \mathbb{A}		morning set	-12251 Feb 24 j 10:59	29° \mathbb{M} 21'57	
morning set	-12252 Mar 11 j 23:27	14° \mathbb{A} 21'59			-12251 Feb 24 j 18:15	0° \mathbb{A}	
asc. node	-12252 Mar 14 j 06:22	19° \mathbb{A} 07'47		asc. node	-12251 Mar 01 j 03:31	9° \mathbb{A} 19'32	
superior conj	-12252 Mar 19 j 09:42	29° \mathbb{A} 53'43	0°46'20	superior conj	-12251 Mar 03 j 14:21	14° \mathbb{A} 33'57	0°22'55
minimum elong	-12252 Mar 19 j 07:44	29° \mathbb{A} 43'31	0°45'16	minimum elong	-12251 Mar 03 j 13:23	14° \mathbb{A} 28'50	0°22'01
	-12252 Mar 19 j 10:54	0° \mathbb{B}		max. Earth dist.	-12251 Mar 05 j 23:58	19° \mathbb{A} 38'31	1.33905 AU
max. Earth dist.	-12252 Mar 22 j 23:53	7° \mathbb{B} 15'31	1.34949 AU	evening rise	-12251 Mar 11 j 08:46	0° \mathbb{B} 35'56	
evening rise	-12252 Mar 27 j 17:41	16° \mathbb{B} 35'20			-12251 Mar 11 j 01:31	0° \mathbb{B}	
	-12252 Apr 04 j 01:50	0° \mathbb{A}			-12251 Mar 28 j 02:13	0° \mathbb{A}	
	-12252 Apr 23 j 22:26	0° \mathbb{H}		evening max el	-12251 Apr 14 j 06:50	22° \mathbb{A} 02'36	27°24'09
desc. node	-12252 May 01 j 11:29	8° \mathbb{H} 36'52		desc. node	-12251 Apr 18 j 08:46	25° \mathbb{A} 36'51	
evening max el	-12252 May 01 j 20:24	8° \mathbb{H} 58'57	26°55'12	retrograde	-12251 Apr 27 j 22:31	29° \mathbb{A} 38'02	
retrograde	-12252 May 15 j 00:36	16° \mathbb{H} 28'51		evening set	-12251 May 04 j 20:52	26° \mathbb{A} 59'28	
evening set	-12252 May 21 j 17:54	13° \mathbb{H} 42'06		min. Earth dist.	-12251 May 08 j 13:14	23° \mathbb{A} 35'56	0.63789 AU
min. Earth dist.	-12252 May 25 j 14:34	9° \mathbb{H} 45'13	0.65226 AU	inferior conj	-12251 May 11 j 01:15	20° \mathbb{A} 54'24	-3°24'06
inferior conj	-12252 May 27 j 11:55	7° \mathbb{H} 30'53	-3°11'25	minimum elong	-12251 May 11 j 01:58	20° \mathbb{A} 52'30	3°24'33
minimum elong	-12252 May 27 j 13:41	7° \mathbb{H} 25'39	3°11'28	morning rise	-12251 May 17 j 07:53	15° \mathbb{A} 32'44	
morning rise	-12252 Jun 02 j 09:46	1° \mathbb{H} 52'17		direct	-12251 May 20 j 04:02	14° \mathbb{A} 51'26	
direct	-12252 Jun 05 j 11:32	0° \mathbb{H} 59'47		morning max el	-12251 May 26 j 15:38	18° \mathbb{A} 16'40	18°09'21
asc. node	-12252 Jun 10 j 06:45	2° \mathbb{H} 59'20		asc. node	-12251 May 28 j 03:31	19° \mathbb{A} 53'41	
morning max el	-12252 Jun 12 j 02:34	4° \mathbb{H} 38'32	18°34'22		-12251 Jun 04 j 05:12	0° \mathbb{H}	
	-12252 Jun 29 j 06:38	0° \mathbb{Y}		morning set	-12251 Jun 13 j 12:09	15° \mathbb{H} 41'04	
morning set	-12252 Jul 02 j 03:43	4° \mathbb{Y} 42'58			-12251 Jun 21 j 23:10	0° \mathbb{Y}	
superior conj	-12252 Jul 17 j 03:09	28° \mathbb{Y} 51'53	1°02'29	superior conj	-12251 Jun 26 j 15:06	7° \mathbb{Y} 41'27	1°33'15
minimum elong	-12252 Jul 17 j 09:31	29° \mathbb{Y} 17'10	1°02'11	minimum elong	-12251 Jun 26 j 20:32	8° \mathbb{Y} 03'36	1°32'57
	-12252 Jul 17 j 20:18	0° \mathbb{B}		max. Earth dist.	-12251 Jul 01 j 14:11	15° \mathbb{Y} 42'53	1.43868 AU
max. Earth dist.	-12252 Jul 18 j 23:24	1° \mathbb{B} 47'26	1.44514 AU		-12251 Jul 10 j 15:08	0° \mathbb{B}	
desc. node	-12252 Jul 28 j 08:00	16° \mathbb{B} 34'25		evening rise	-12251 Jul 12 j 22:53	3° \mathbb{B} 37'07	
evening rise	-12252 Aug 02 j 15:31	24° \mathbb{B} 57'21		desc. node	-12251 Jul 15 j 05:27	7° \mathbb{B} 08'28	
	-12252 Aug 05 j 20:15	0° \mathbb{H}			-12251 Jul 30 j 09:53	0° \mathbb{H}	
evening max el	-12252 Aug 25 j 13:20	28° \mathbb{H} 26'07	19°16'19	evening max el	-12251 Aug 08 j 18:21	11° \mathbb{H} 54'23	20°12'11
	-12252 Aug 27 j 05:17	0° \mathbb{B}		retrograde	-12251 Aug 16 j 11:21	16° \mathbb{H} 23'23	
retrograde	-12252 Sep 01 j 14:37	2° \mathbb{B} 27'30		evening set	-12251 Aug 20 j 03:23	15° \mathbb{H} 05'36	
evening set	-12252 Sep 04 j 20:27	1° \mathbb{B} 26'44		asc. node	-12251 Aug 24 j 04:34	10° \mathbb{H} 55'01	
asc. node	-12252 Sep 06 j 07:37	0° \mathbb{B} 20'39		inferior conj	-12251 Aug 25 j 14:32	9° \mathbb{H} 03'40	0°26'38
	-12252 Sep 06 j 16:45	30° \mathbb{R} \mathbb{H}		minimum elong	-12251 Aug 25 j 13:56	9° \mathbb{H} 05'42	0°27'04
inferior conj	-12252 Sep 10 j 13:33	25° \mathbb{H} 34'39	1°18'43	min. Earth dist.	-12251 Aug 26 j 11:24	7° \mathbb{H} 54'11	0.66521 AU
minimum elong	-12252 Sep 10 j 11:45	25° \mathbb{H} 40'22	1°18'47	morning rise	-12251 Aug 31 j 00:15	2° \mathbb{H} 42'55	
min. Earth dist.	-12252 Sep 11 j 21:42	23° \mathbb{H} 53'05	0.65725 AU	direct	-12251 Sep 05 j 14:14	0° \mathbb{H} 20'22	
morning rise	-12252 Sep 16 j 02:41	19° \mathbb{H} 18'15		morning max el	-12251 Sep 17 j 06:21	7° \mathbb{H} 17'03	24°57'52
direct	-12252 Sep 22 j 06:40	16° \mathbb{H} 42'09			-12251 Oct 05 j 01:44	0° \mathbb{B}	
morning max el	-12252 Oct 04 j 20:26	24° \mathbb{H} 01'44	26°10'30	desc. node	-12251 Oct 11 j 03:42	9° \mathbb{B} 11'49	
	-12252 Oct 10 j 06:46	0° \mathbb{B}		morning set	-12251 Oct 23 j 03:43	29° \mathbb{B} 07'34	
desc. node	-12252 Oct 24 j 06:52	19° \mathbb{B} 08'17			-12251 Oct 23 j 15:33	0° \mathbb{B}	
	-12252 Oct 31 j 03:32	0° \mathbb{B}		max. Earth dist.	-12251 Oct 27 j 01:28	6° \mathbb{B} 10'07	1.37487 AU
morning set	-12252 Nov 09 j 19:43	16° \mathbb{B} 56'31					
max. Earth dist.	-12252 Nov 13 j 22:54	24° \mathbb{B} 47'34	1.35756 AU	superior conj	-12251 Nov 02 j 10:22	18° \mathbb{B} 15'44	-1°37'29
	-12252 Nov 16 j 14:19	0° \mathbb{M}		minimum elong	-12251 Nov 02 j 10:00	18° \mathbb{B} 14'00	1°36'59
					-12251 Nov 08 j 08:01	0° \mathbb{M}	
superior conj	-12252 Nov 18 j 21:06	4° \mathbb{M} 36'08	-1°35'04	evening rise	-12251 Nov 10 j 16:57	4° \mathbb{M} 45'28	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

asc. node	-12251 Nov 20 j 03:15	22° \mathbb{M} 18'03			-12250 Oct 15 j 18:44	0° \mathcal{O}	
	-12251 Nov 25 j 14:22	0° \mathcal{O}					
evening max el	-12251 Nov 27 j 20:54	2° \mathcal{O} 24'38	19°23'13	superior conj	-12250 Oct 16 j 09:54	1° \mathcal{O} 10'26	-1°31'38
retrograde	-12251 Dec 07 j 00:20	6° \mathcal{O} 44'46		minimum elong	-12250 Oct 16 j 07:45	1° \mathcal{O} 00'27	1°30'52
evening set	-12251 Dec 09 j 12:57	6° \mathcal{O} 26'24		evening rise	-12250 Oct 25 j 13:16	18° \mathcal{O} 39'05	
inferior conj	-12251 Dec 17 j 18:25	2° \mathcal{O} 15'28	4°05'02		-12250 Oct 31 j 13:39	0° \mathbb{M}	
minimum elong	-12251 Dec 17 j 21:29	2° \mathcal{O} 10'20	4°04'44	asc. node	-12250 Nov 07 j 00:35	10° \mathbb{M} 24'31	
min. Earth dist.	-12251 Dec 20 j 12:10	0° \mathcal{O} 26'21	0.57022 AU	evening max el	-12250 Nov 10 j 21:07	14° \mathbb{M} 56'15	18°38'00
	-12251 Dec 21 j 04:43	30° \mathcal{R} \mathbb{M}		retrograde	-12250 Nov 18 j 19:37	18° \mathbb{M} 48'34	
morning rise	-12251 Dec 26 j 03:53	27° \mathbb{M} 26'38		evening set	-12250 Nov 21 j 07:02	18° \mathbb{M} 27'22	
direct	-12251 Dec 31 j 03:16	26° \mathbb{M} 29'54		inferior conj	-12250 Nov 28 j 23:47	13° \mathbb{M} 57'09	4°16'59
desc. node	-12250 Jan 07 j 05:25	28° \mathbb{M} 24'52		minimum elong	-12250 Nov 28 j 23:07	13° \mathbb{M} 58'24	4°17'11
	-12250 Jan 09 j 19:15	0° \mathcal{O}		min. Earth dist.	-12250 Dec 02 j 04:14	11° \mathbb{M} 31'28	0.58675 AU
morning max el	-12250 Jan 14 j 01:46	3° \mathcal{O} 32'49	24°45'59	morning rise	-12250 Dec 06 j 13:21	8° \mathbb{M} 46'00	
	-12250 Feb 01 j 16:41	0° \mathbb{M}		direct	-12250 Dec 12 j 17:12	7° \mathbb{M} 12'00	
morning set	-12250 Feb 08 j 23:30	14° \mathbb{M} 26'57		desc. node	-12250 Dec 25 j 02:04	12° \mathbb{M} 56'24	
				morning max el	-12250 Dec 26 j 18:05	14° \mathbb{M} 27'41	26°09'57
superior conj	-12250 Feb 15 j 23:16	29° \mathbb{M} 28'55	-0°00'35		-12249 Jan 08 j 05:28	0° \mathcal{O}	
minimum elong	-12250 Feb 15 j 23:19	29° \mathbb{M} 29'12	0°01'12	morning set	-12249 Jan 24 j 11:16	29° \mathcal{O} 30'42	
behind sun begin	-12250 Feb 15 j 18:14	29° \mathbb{M} 01'44			-12249 Jan 24 j 16:51	0° \mathbb{M}	
behind sun end	-12250 Feb 16 j 04:23	29° \mathbb{M} 56'40					
asc. node	-12250 Feb 16 j 00:44	29° \mathbb{M} 36'52		superior conj	-12249 Jan 31 j 10:33	14° \mathbb{M} 32'07	-0°23'14
	-12250 Feb 16 j 05:00	0° \mathcal{O} \mathcal{A}		minimum elong	-12249 Jan 31 j 11:30	14° \mathbb{M} 37'14	0°23'33
max. Earth dist.	-12250 Feb 17 j 07:47	2° \mathcal{O} 24'32	1.33209 AU	max. Earth dist.	-12249 Jan 31 j 20:18	15° \mathbb{M} 25'16	1.32849 AU
evening rise	-12250 Feb 23 j 08:30	15° \mathcal{O} 04'04		asc. node	-12249 Feb 02 j 21:59	19° \mathbb{M} 55'29	
	-12250 Mar 03 j 03:14	0° \mathcal{O}		evening rise	-12249 Feb 07 j 14:08	29° \mathbb{M} 50'36	
	-12250 Mar 23 j 05:39	0° \approx			-12249 Feb 07 j 15:57	0° \mathcal{O} \mathcal{A}	
evening max el	-12250 Mar 27 j 15:02	4° \approx 40'31	27°22'23		-12249 Feb 24 j 09:12	0° \mathcal{O}	
desc. node	-12250 Apr 05 j 05:58	10° \approx 58'31		evening max el	-12249 Mar 09 j 18:57	16° \mathcal{O} 44'18	26°47'45
retrograde	-12250 Apr 10 j 14:03	12° \approx 14'09		desc. node	-12249 Mar 23 j 03:05	24° \mathcal{O} 08'40	
evening set	-12250 Apr 17 j 09:33	9° \approx 57'12		retrograde	-12249 Mar 23 j 21:34	24° \mathcal{O} 10'13	
min. Earth dist.	-12250 Apr 21 j 03:00	6° \approx 56'47	0.62015 AU	evening set	-12249 Mar 30 j 04:50	22° \mathcal{O} 25'09	
inferior conj	-12250 Apr 24 j 03:48	4° \approx 02'32	-3°21'49	min. Earth dist.	-12249 Apr 03 j 08:20	19° \mathcal{O} 34'09	0.60051 AU
minimum elong	-12250 Apr 24 j 02:54	4° \approx 04'41	3°22'24	inferior conj	-12249 Apr 06 j 16:03	16° \mathcal{O} 47'38	-2°59'18
	-12250 Apr 28 j 23:16	30° \mathcal{R} \mathcal{O}		minimum elong	-12249 Apr 06 j 13:25	16° \mathcal{O} 53'12	2°59'38
morning rise	-12250 Apr 30 j 21:54	28° \mathcal{O} 59'26		morning rise	-12249 Apr 14 j 00:30	12° \mathcal{O} 04'05	
direct	-12250 May 03 j 13:17	28° \mathcal{O} 27'47		direct	-12249 Apr 16 j 11:32	11° \mathcal{O} 40'35	
	-12250 May 08 j 00:20	0° \approx		morning max el	-12249 Apr 23 j 17:34	15° \mathcal{O} 13'17	18°14'33
morning max el	-12250 May 10 j 05:32	1° \approx 50'37	18°02'32	asc. node	-12249 May 01 j 21:09	26° \mathcal{O} 20'08	
asc. node	-12250 May 15 j 00:19	7° \approx 44'52			-12249 May 04 j 00:10	0° \approx	
morning set	-12250 May 26 j 19:08	27° \approx 43'53		morning set	-12249 May 09 j 19:55	10° \approx 40'59	
	-12250 May 28 j 01:30	0° \mathcal{H}					
superior conj	-12250 Jun 07 j 04:21	17° \mathcal{H} 45'28	1°47'35	superior conj	-12249 May 19 j 19:53	29° \approx 08'14	1°47'33
minimum elong	-12250 Jun 07 j 06:04	17° \mathcal{H} 52'49	1°47'21	minimum elong	-12249 May 19 j 18:32	29° \approx 02'08	1°47'08
max. Earth dist.	-12250 Jun 14 j 00:16	29° \mathcal{H} 10'56	1.42626 AU		-12249 May 20 j 07:27	0° \mathcal{H}	
	-12250 Jun 14 j 12:15	0° \mathcal{O} \mathcal{Y}		max. Earth dist.	-12249 May 27 j 05:00	12° \mathcal{H} 01'25	1.40959 AU
evening rise	-12250 Jun 21 j 23:23	11° \mathcal{O} \mathcal{Y} 57'33		evening rise	-12249 Jun 01 j 15:42	21° \mathcal{H} 04'44	
desc. node	-12250 Jul 02 j 02:55	27° \mathcal{O} \mathcal{Y} 33'14			-12249 Jun 07 j 05:42	0° \mathcal{O} \mathcal{Y}	
	-12250 Jul 03 j 18:11	0° \mathcal{O}		desc. node	-12249 Jun 19 j 00:27	17° \mathcal{O} \mathcal{Y} 44'13	
evening max el	-12250 Jul 22 j 16:36	25° \mathcal{O} 18'47	21°21'29		-12249 Jun 27 j 22:34	0° \mathcal{O}	
	-12250 Jul 29 j 03:17	0° \mathbb{I}		evening max el	-12249 Jul 05 j 08:17	8° \mathcal{O} 39'53	22°40'16
retrograde	-12250 Jul 31 j 07:35	0° \mathbb{I} 23'40		retrograde	-12249 Jul 15 j 01:46	14° \mathcal{O} 26'07	
	-12250 Aug 02 j 09:30	30° \mathcal{R} \mathcal{O}		evening set	-12249 Jul 19 j 20:00	12° \mathcal{O} 27'11	
evening set	-12250 Aug 04 j 11:53	28° \mathcal{O} 46'07		inferior conj	-12249 Jul 25 j 01:14	6° \mathcal{O} 13'55	-1°10'47
inferior conj	-12250 Aug 09 j 19:03	22° \mathcal{O} 37'16	-0°23'43	minimum elong	-12249 Jul 25 j 02:38	6° \mathcal{O} 09'07	1°09'52
minimum elong	-12250 Aug 09 j 19:33	22° \mathcal{O} 35'36	0°22'57	min. Earth dist.	-12249 Jul 25 j 00:53	6° \mathcal{O} 15'09	0.67239 AU
min. Earth dist.	-12250 Aug 10 j 05:17	22° \mathcal{O} 02'10	0.67025 AU	asc. node	-12249 Jul 28 j 22:19	1° \mathcal{O} 18'13	
asc. node	-12250 Aug 11 j 01:28	20° \mathcal{O} 53'30		morning rise	-12249 Jul 30 j 09:10	29° \mathcal{O} 56'29	
morning rise	-12250 Aug 15 j 03:03	16° \mathcal{O} 16'14			-12249 Jul 30 j 07:27	30° \mathcal{R} \mathcal{Y}	
direct	-12250 Aug 20 j 02:58	14° \mathcal{O} 10'49		direct	-12249 Aug 03 j 19:55	28° \mathcal{O} 09'19	
morning max el	-12250 Aug 30 j 16:33	20° \mathcal{O} 32'14	23°35'33	morning max el	-12249 Aug 08 j 20:21	0° \mathcal{O}	
	-12250 Sep 07 j 17:51	0° \mathbb{I}			-12249 Sep 01 j 22:13	0° \mathbb{I}	
desc. node	-12250 Sep 28 j 00:38	29° \mathcal{O} 31'50		morning set	-12249 Sep 14 j 18:37	19° \mathbb{I} 50'28	
	-12250 Sep 28 j 07:43	0° \mathcal{O}		desc. node	-12249 Sep 14 j 21:39	20° \mathbb{I} 02'38	
morning set	-12250 Oct 04 j 12:22	10° \mathcal{O} 07'36			-12249 Sep 20 j 23:34	0° \mathcal{O}	
max. Earth dist.	-12250 Oct 08 j 24:00	17° \mathcal{O} 48'02	1.39443 AU	max. Earth dist.	-12249 Sep 21 j 01:32	0° \mathcal{O} 08'12	1.41381 AU

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-12249 Sep 28 j 14:22	13° ☿ 05'13	-1°15'15	superior conj	-12248 Sep 08 j 18:05	23° ♄ 45'51	-0°46'35
minimum elong	-12249 Sep 28 j 10:35	12° ☿ 48'32	1°14'10	minimum elong	-12248 Sep 08 j 14:14	23° ♄ 29'44	0°45'25
	-12249 Oct 07 j 21:44	0° Ω			-12248 Sep 12 j 10:25	0° ☿	
evening rise	-12249 Oct 08 j 23:28	1° Ω 59'21		evening rise	-12248 Sep 20 j 19:29	14° ☿ 37'03	
asc. node	-12249 Oct 24 j 21:54	27° Ω 35'11			-12248 Sep 29 j 16:13	0° Ω	
evening max el	-12249 Oct 25 j 04:44	27° Ω 52'22	18°12'54	evening max el	-12248 Oct 07 j 16:52	11° Ω 05'56	18°07'20
	-12249 Oct 27 j 18:41	0° ♄		asc. node	-12248 Oct 10 j 19:06	13° Ω 34'43	
retrograde	-12249 Nov 01 j 08:02	1° ♄ 29'31		retrograde	-12248 Oct 14 j 10:01	14° Ω 38'30	
evening set	-12249 Nov 03 j 19:42	1° ♄ 03'56		evening set	-12248 Oct 16 j 23:48	14° Ω 06'46	
	-12249 Nov 06 j 02:05	30° ♄ Ω		inferior conj	-12248 Oct 23 j 16:23	8° Ω 54'08	3°24'52
inferior conj	-12249 Nov 10 j 23:55	26° Ω 11'49	4°00'05	minimum elong	-12248 Oct 23 j 12:32	9° Ω 03'46	3°24'35
minimum elong	-12249 Nov 10 j 20:50	26° Ω 18'38	4°00'05	min. Earth dist.	-12248 Oct 26 j 08:39	6° Ω 13'36	0.62297 AU
min. Earth dist.	-12249 Nov 14 j 01:56	23° Ω 29'21	0.60517 AU	morning rise	-12248 Oct 30 j 00:12	3° Ω 06'10	
morning rise	-12249 Nov 17 j 20:35	20° Ω 41'05		direct	-12248 Nov 06 j 01:35	0° Ω 33'52	
direct	-12249 Nov 24 j 17:08	18° Ω 32'33		morning max el	-12248 Nov 19 j 20:40	8° Ω 03'14	27°33'25
morning max el	-12249 Dec 08 j 16:09	25° Ω 55'32	27°08'24	desc. node	-12248 Nov 27 j 19:18	17° Ω 02'37	
desc. node	-12249 Dec 11 j 22:40	29° Ω 19'03			-12248 Dec 06 j 21:23	0° ♄	
	-12249 Dec 12 j 13:15	0° ♄		morning set	-12248 Dec 23 j 00:40	29° ♄ 02'43	
	-12248 Jan 01 j 12:00	0° Ω			-12248 Dec 23 j 11:55	0° Ω	
morning set	-12248 Jan 08 j 20:22	14° Ω 25'11		max. Earth dist.	-12248 Dec 28 j 20:15	11° Ω 14'48	1.33115 AU
superior conj	-12248 Jan 15 j 22:27	29° Ω 36'02	-0°44'22	superior conj	-12248 Dec 30 j 09:15	14° Ω 34'29	-1°03'14
minimum elong	-12248 Jan 16 j 00:04	29° Ω 44'50	0°44'25	minimum elong	-12248 Dec 30 j 11:15	14° Ω 45'17	1°03'06
max. Earth dist.	-12248 Jan 15 j 09:43	28° Ω 26'31	1.32811 AU	evening rise	-12247 Jan 06 j 10:21	29° Ω 44'27	
	-12248 Jan 16 j 02:50	0° ♄		asc. node	-12247 Jan 06 j 16:41	0° ♄ 17'40	
asc. node	-12248 Jan 20 j 19:19	10° ♄ 10'39			-12247 Jan 06 j 13:18	0° ♄	
evening rise	-12248 Jan 22 j 23:22	14° ♄ 46'21			-12247 Jan 23 j 13:48	0° ♄	
	-12248 Jan 30 j 17:11	0° ♄		evening max el	-12247 Jan 31 j 11:01	9° ♄ 09'11	24°17'32
evening max el	-12248 Feb 19 j 17:13	28° ♄ 10'49	25°43'13	retrograde	-12247 Feb 14 j 04:50	15° ♄ 58'46	
	-12248 Feb 21 j 17:49	0° ♄		evening set	-12247 Feb 18 j 13:18	15° ♄ 16'19	
retrograde	-12248 Mar 04 j 19:02	5° ♄ 23'16		desc. node	-12247 Feb 23 j 21:02	12° ♄ 45'53	
desc. node	-12248 Mar 09 j 00:06	4° ♄ 40'25		min. Earth dist.	-12247 Feb 25 j 00:20	12° ♄ 04'29	0.56544 AU
evening set	-12248 Mar 10 j 05:16	4° ♄ 12'39		inferior conj	-12247 Feb 27 j 09:05	10° ♄ 34'51	-0°52'24
min. Earth dist.	-12248 Mar 15 j 06:37	1° ♄ 17'23	0.58127 AU	minimum elong	-12247 Feb 27 j 07:05	10° ♄ 38'01	0°52'28
	-12248 Mar 17 j 01:53	30° ♄ ♄		morning rise	-12247 Mar 08 j 03:50	6° ♄ 26'25	
inferior conj	-12248 Mar 18 j 10:28	29° ♄ 00'29	-2°10'35	direct	-12247 Mar 10 j 07:37	6° ♄ 13'46	
minimum elong	-12248 Mar 18 j 06:58	29° ♄ 06'52	2°10'29	morning max el	-12247 Mar 20 j 00:20	10° ♄ 48'50	19°37'15
morning rise	-12248 Mar 26 j 11:50	24° ♄ 36'22			-12247 Apr 02 j 00:08	0° ♄	
direct	-12248 Mar 28 j 18:39	24° ♄ 19'26		asc. node	-12247 Apr 04 j 15:01	5° ♄ 03'24	
morning max el	-12248 Apr 06 j 00:50	28° ♄ 15'52	18°46'01	morning set	-12247 Apr 06 j 09:27	8° ♄ 33'53	
	-12248 Apr 07 j 16:55	0° ♄					
asc. node	-12248 Apr 17 j 18:03	15° ♄ 29'07		superior conj	-12247 Apr 14 j 14:20	24° ♄ 59'01	1°20'18
morning set	-12248 Apr 22 j 09:58	24° ♄ 21'07		minimum elong	-12247 Apr 14 j 11:18	24° ♄ 44'08	1°19'16
	-12248 Apr 25 j 07:40	0° \approx			-12247 Apr 17 j 04:08	0° \approx	
				max. Earth dist.	-12247 Apr 20 j 07:16	5° \approx 56'27	1.37274 AU
superior conj	-12248 May 01 j 09:02	11° \approx 37'49	1°37'15	evening rise	-12247 Apr 24 j 07:58	13° \approx 18'48	
minimum elong	-12248 May 01 j 06:12	11° \approx 24'29	1°36'29		-12247 May 04 j 03:32	0° ♄	
max. Earth dist.	-12248 May 08 j 05:52	24° \approx 12'19	1.39091 AU	desc. node	-12247 May 22 j 19:28	26° ♄ 56'49	
	-12248 May 11 j 13:24	0° ♄			-12247 May 25 j 07:40	0° ♄	
evening rise	-12248 May 12 j 10:54	1° ♄ 32'12		evening max el	-12247 May 30 j 04:51	5° ♄ 20'43	25°21'01
	-12248 May 30 j 12:28	0° ♄		retrograde	-12247 Jun 11 j 04:02	12° ♄ 22'22	
desc. node	-12248 Jun 04 j 21:58	7° ♄ 35'04		evening set	-12247 Jun 17 j 03:21	9° ♄ 45'51	
evening max el	-12248 Jun 16 j 19:24	22° ♄ 00'00	24°02'40	min. Earth dist.	-12247 Jun 21 j 11:50	4° ♄ 47'57	0.66692 AU
retrograde	-12248 Jun 27 j 16:51	28° ♄ 27'28		inferior conj	-12247 Jun 22 j 11:30	3° ♄ 30'05	-2°29'48
evening set	-12248 Jul 03 j 01:50	26° ♄ 07'51		minimum elong	-12247 Jun 22 j 13:47	3° ♄ 22'35	2°29'11
inferior conj	-12248 Jul 08 j 07:20	19° ♄ 52'17	-1°53'14		-12247 Jun 25 j 06:57	30° ♄ ♄	
minimum elong	-12248 Jul 08 j 09:20	19° ♄ 45'27	1°52'22	morning rise	-12247 Jun 28 j 00:15	27° ♄ 29'52	
min. Earth dist.	-12248 Jul 07 j 19:50	20° ♄ 31'31	0.67138 AU	direct	-12247 Jul 01 j 13:35	26° ♄ 16'24	
morning rise	-12248 Jul 13 j 16:48	13° ♄ 41'57		asc. node	-12247 Jul 01 j 15:50	26° ♄ 16'27	
asc. node	-12248 Jul 14 j 19:06	12° ♄ 59'00			-12247 Jul 08 j 10:10	0° ♄	
direct	-12248 Jul 17 j 15:56	12° ♄ 12'29		morning max el	-12247 Jul 09 j 00:52	0° ♄ 36'53	19°48'20
morning max el	-12248 Jul 25 j 23:59	17° ♄ 09'34	20°54'40		-12247 Jul 29 j 17:44	0° ♄	
	-12248 Aug 05 j 03:04	0° ♄		morning set	-12247 Aug 03 j 07:20	7° ♄ 06'29	
morning set	-12248 Aug 24 j 03:36	28° ♄ 35'00		max. Earth dist.	-12247 Aug 15 j 22:35	26° ♄ 59'46	1.44124 AU
	-12248 Aug 25 j 01:21	0° ♄			-12247 Aug 17 j 19:44	0° ♄	
desc. node	-12248 Aug 31 j 18:49	10° ♄ 40'31		desc. node	-12247 Aug 18 j 16:03	1° ♄ 21'27	
max. Earth dist.	-12248 Sep 02 j 09:29	13° ♄ 16'43	1.43017 AU				

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-12247 Aug 19 j 18:04	3° Π 05'58	-0°06'29	desc. node	-12246 Aug 05 j 13:22	22° Σ 02'15	
minimum elong	-12247 Aug 19 j 17:25	3° Π 03'19	0°05'46		-12246 Aug 10 j 13:10	0° Π	
behind sun begin	-12247 Aug 19 j 07:10	2° Π 22'07		evening rise	-12246 Aug 14 j 19:13	6° Π 49'37	
behind sun end	-12247 Aug 20 j 03:39	3° Π 44'34			-12246 Aug 29 j 12:08	0° Σ	
evening rise	-12247 Sep 02 j 19:56	26° Π 18'38		evening max el	-12246 Sep 04 j 19:00	8° Σ 00'14	18°51'13
	-12247 Sep 05 j 00:29	0° Σ		retrograde	-12246 Sep 11 j 14:31	11° Σ 50'05	
evening max el	-12247 Sep 21 j 06:35	24° Σ 30'23	18°20'28	evening set	-12246 Sep 14 j 15:23	10° Σ 57'48	
retrograde	-12247 Sep 27 j 21:24	28° Σ 07'22		asc. node	-12246 Sep 14 j 13:17	11° Σ 00'45	
asc. node	-12247 Sep 27 j 16:14	28° Σ 07'07		inferior conj	-12246 Sep 20 j 12:48	5° Σ 13'03	1°48'45
evening set	-12247 Sep 30 j 15:32	27° Σ 26'57		minimum elong	-12246 Sep 20 j 10:19	5° Σ 20'34	1°48'37
inferior conj	-12247 Oct 06 j 21:44	21° Σ 56'43	2°39'21	min. Earth dist.	-12246 Sep 22 j 04:01	3° Σ 14'03	0.65135 AU
minimum elong	-12247 Oct 06 j 18:17	22° Σ 06'22	2°39'00		-12246 Sep 25 j 02:36	30° \mathbb{R} Π	
min. Earth dist.	-12247 Oct 09 j 01:36	19° Σ 32'22	0.63857 AU	morning rise	-12246 Sep 26 j 04:44	29° Π 00'50	
morning rise	-12247 Oct 12 j 20:15	15° Σ 54'45		direct	-12246 Oct 02 j 16:10	26° Π 19'14	
direct	-12247 Oct 19 j 17:34	13° Σ 11'45			-12246 Oct 11 j 08:36	0° Σ	
morning max el	-12247 Nov 02 j 05:24	20° Σ 44'26	27°24'01	morning max el	-12246 Oct 15 j 15:34	3° Σ 46'54	26°44'15
	-12247 Nov 10 j 09:09	0° \mathbb{Q}		desc. node	-12246 Nov 01 j 12:39	25° Σ 06'21	
desc. node	-12247 Nov 14 j 15:58	5° \mathbb{Q} 44'04			-12246 Nov 04 j 18:08	0° \mathbb{Q}	
	-12247 Nov 29 j 20:48	0° \mathbb{P}		morning set	-12246 Nov 20 j 07:40	26° \mathbb{Q} 50'01	
morning set	-12247 Dec 06 j 21:35	13° \mathbb{P} 14'48			-12246 Nov 21 j 23:13	0° \mathbb{P}	
max. Earth dist.	-12247 Dec 12 j 00:06	23° \mathbb{P} 38'05	1.33801 AU	max. Earth dist.	-12246 Nov 24 j 18:06	5° \mathbb{P} 29'38	1.34916 AU
superior conj	-12247 Dec 14 j 17:12	29° \mathbb{P} 21'34	-1°19'00	superior conj	-12246 Nov 28 j 20:07	13° \mathbb{P} 49'32	-1°30'42
minimum elong	-12247 Dec 14 j 19:11	29° \mathbb{P} 32'11	1°18'46	minimum elong	-12246 Nov 28 j 21:39	13° \mathbb{P} 57'25	1°30'23
	-12247 Dec 15 j 00:25	0° \mathbb{A}		evening rise	-12246 Dec 06 j 06:59	29° \mathbb{P} 24'31	
evening rise	-12247 Dec 21 j 21:26	14° \mathbb{A} 39'14			-12246 Dec 06 j 13:50	0° \mathbb{A}	
asc. node	-12247 Dec 24 j 14:03	20° \mathbb{A} 11'38		asc. node	-12246 Dec 11 j 11:25	9° \mathbb{A} 46'09	
	-12247 Dec 29 j 17:07	0° \mathbb{L}			-12246 Dec 24 j 23:42	0° \mathbb{L}	
evening max el	-12246 Jan 13 j 04:49	20° \mathbb{L} 01'20	22°43'37	evening max el	-12246 Dec 26 j 04:02	1° \mathbb{L} 09'29	21°14'05
retrograde	-12246 Jan 26 j 02:49	26° \mathbb{L} 14'10		retrograde	-12245 Jan 06 j 17:13	6° \mathbb{L} 35'28	
evening set	-12246 Jan 29 j 12:31	25° \mathbb{L} 48'47		evening set	-12245 Jan 09 j 13:27	6° \mathbb{L} 16'54	
min. Earth dist.	-12246 Feb 06 j 15:55	22° \mathbb{L} 07'53	0.55608 AU	inferior conj	-12245 Jan 18 j 12:01	2° \mathbb{L} 17'31	2°28'15
inferior conj	-12246 Feb 07 j 14:33	21° \mathbb{L} 35'04	0°48'05	minimum elong	-12245 Jan 18 j 17:29	2° \mathbb{L} 09'40	2°26'23
minimum elong	-12246 Feb 07 j 16:34	21° \mathbb{L} 32'08	0°46'52	min. Earth dist.	-12245 Jan 19 j 06:01	1° \mathbb{L} 51'38	0.55522 AU
desc. node	-12246 Feb 10 j 17:51	19° \mathbb{L} 49'33			-12245 Jan 22 j 15:50	30° \mathbb{R} \mathbb{A}	
morning rise	-12246 Feb 16 j 21:58	17° \mathbb{L} 31'38		morning rise	-12245 Jan 27 j 20:39	28° \mathbb{A} 04'06	
direct	-12246 Feb 19 j 04:45	17° \mathbb{L} 19'16		desc. node	-12245 Jan 28 j 14:35	27° \mathbb{A} 55'34	
morning max el	-12246 Mar 02 j 13:29	22° \mathbb{L} 44'18	20°47'44	direct	-12245 Jan 30 j 19:53	27° \mathbb{A} 44'33	
	-12246 Mar 08 j 16:25	0° \mathbb{X}			-12245 Feb 07 j 11:36	0° \mathbb{L}	
morning set	-12246 Mar 21 j 15:29	23° \mathbb{X} 11'16		morning max el	-12245 Feb 12 j 15:10	3° \mathbb{L} 58'45	22°14'49
asc. node	-12246 Mar 22 j 12:03	24° \mathbb{X} 56'47			-12245 Mar 02 j 01:46	0° \mathbb{X}	
	-12246 Mar 24 j 22:44	0° \mathbb{Z}		morning set	-12245 Mar 06 j 01:34	8° \mathbb{X} 04'30	
superior conj	-12246 Mar 29 j 07:20	8° \mathbb{Z} 59'20	0°59'25	asc. node	-12245 Mar 09 j 09:10	15° \mathbb{X} 02'52	
minimum elong	-12246 Mar 29 j 04:52	8° \mathbb{Z} 46'45	0°58'18	superior conj	-12245 Mar 13 j 08:30	23° \mathbb{X} 26'59	0°36'29
max. Earth dist.	-12246 Apr 02 j 15:27	17° \mathbb{Z} 41'31	1.35701 AU	minimum elong	-12245 Mar 13 j 06:57	23° \mathbb{X} 18'51	0°35'29
evening rise	-12246 Apr 07 j 01:33	26° \mathbb{Z} 10'38		max. Earth dist.	-12245 Mar 16 j 09:50	29° \mathbb{X} 48'22	1.34461 AU
	-12246 Apr 09 j 03:11	0° \mathbb{A}			-12245 Mar 16 j 12:06	0° \mathbb{Z}	
	-12246 Apr 27 j 13:00	0° \mathbb{H}		evening rise	-12245 Mar 21 j 10:05	9° \mathbb{Z} 49'56	
desc. node	-12246 May 09 j 16:51	15° \mathbb{H} 37'52			-12245 Apr 01 j 14:25	0° \mathbb{A}	
evening max el	-12246 May 12 j 14:59	18° \mathbb{H} 41'46	26°26'34		-12245 Apr 23 j 04:40	0° \mathbb{H}	
retrograde	-12246 May 25 j 10:38	26° \mathbb{H} 05'23		evening max el	-12245 Apr 25 j 01:58	1° \mathbb{H} 55'34	27°11'02
evening set	-12246 May 31 j 22:17	23° \mathbb{H} 19'30		desc. node	-12245 Apr 26 j 14:12	3° \mathbb{H} 21'08	
min. Earth dist.	-12246 Jun 04 j 22:44	19° \mathbb{H} 00'41	0.65875 AU	retrograde	-12245 May 08 j 11:54	9° \mathbb{H} 28'50	
inferior conj	-12246 Jun 06 j 11:49	17° \mathbb{H} 05'39	-2°58'53	evening set	-12245 May 15 j 07:58	6° \mathbb{H} 44'15	
minimum elong	-12246 Jun 06 j 13:55	16° \mathbb{H} 59'08	2°58'40	min. Earth dist.	-12245 May 19 j 02:26	3° \mathbb{H} 02'08	0.64661 AU
morning rise	-12246 Jun 12 j 05:44	11° \mathbb{H} 18'17		inferior conj	-12245 May 21 j 05:57	0° \mathbb{H} 35'04	-3°18'24
direct	-12246 Jun 15 j 11:10	10° \mathbb{H} 18'47		minimum elong	-12245 May 21 j 07:21	0° \mathbb{H} 31'06	3°18'38
asc. node	-12246 Jun 18 j 12:36	11° \mathbb{H} 09'14			-12245 May 21 j 18:16	30° \mathbb{R} \mathbb{A}	
morning max el	-12246 Jun 22 j 07:45	14° \mathbb{H} 10'23	18°56'32	morning rise	-12245 May 27 j 07:12	25° \mathbb{A} 03'07	
	-12246 Jul 03 j 19:44	0° \mathbb{Y}		direct	-12245 May 30 j 06:25	24° \mathbb{A} 15'33	
morning set	-12246 Jul 14 j 01:02	16° \mathbb{Y} 16'56		asc. node	-12245 Jun 05 j 09:22	27° \mathbb{A} 23'36	
	-12246 Jul 22 j 15:34	0° \mathbb{B}		morning max el	-12245 Jun 05 j 19:06	27° \mathbb{A} 47'31	18°21'27
					-12245 Jun 07 j 18:42	0° \mathbb{H}	
superior conj	-12246 Jul 29 j 21:27	11° \mathbb{B} 28'28	0°38'40	morning set	-12245 Jun 24 j 19:05	26° \mathbb{H} 34'57	
minimum elong	-12246 Jul 30 j 01:59	11° \mathbb{B} 46'24	0°38'37		-12245 Jun 26 j 20:22	0° \mathbb{Y}	
max. Earth dist.	-12246 Jul 29 j 14:23	11° \mathbb{B} 00'29	1.44577 AU				

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-12245 Jul 09 j 00:04	19° Υ 50'20	1°17'28	superior conj	-12244 Jun 17 j 21:57	29° Υ 08'44	1°41'18
minimum elong	-12245 Jul 09 j 06:38	20° Υ 16'39	1°17'07	minimum elong	-12244 Jun 18 j 01:54	29° Υ 25'08	1°41'05
max. Earth dist.	-12245 Jul 12 j 06:39	25° Υ 03'57	1.44326 AU		-12244 Jun 18 j 10:18	0° Υ	
	-12245 Jul 15 j 09:22	0° Υ		max. Earth dist.	-12244 Jun 23 j 20:19	8° Υ 51'50	1.43410 AU
desc. node	-12245 Jul 23 j 10:45	12° Υ 39'53		evening rise	-12244 Jul 03 j 16:58	24° Υ 29'09	
evening rise	-12245 Jul 25 j 15:15	16° Υ 05'04			-12244 Jul 07 j 06:30	0° Υ	
	-12245 Aug 03 j 14:16	0° Υ		desc. node	-12244 Jul 09 j 08:13	3° Υ 10'35	
greatest brilliancy	-12245 Aug 05 j 19:47	3° Υ 24'49	-0.7m		-12244 Jul 27 j 22:26	0° Υ	
evening max el	-12245 Aug 19 j 03:29	21° Υ 30'55	19°38'20	evening max el	-12244 Aug 01 j 05:49	4° Υ 58'02	20°40'10
retrograde	-12245 Aug 26 j 10:32	25° Υ 42'31		retrograde	-12244 Aug 09 j 07:13	9° Υ 40'53	
evening set	-12245 Aug 29 j 20:29	24° Υ 34'55		evening set	-12244 Aug 13 j 04:21	8° Υ 14'47	
asc. node	-12245 Sep 01 j 10:17	22° Υ 18'59		asc. node	-12244 Aug 18 j 07:15	2° Υ 30'59	
inferior conj	-12245 Sep 04 j 10:51	18° Υ 38'33	0°56'32	inferior conj	-12244 Aug 18 j 13:34	2° Υ 09'36	0°04'58
minimum elong	-12245 Sep 04 j 09:33	18° Υ 42'44	0°56'44	minimum elong	-12244 Aug 18 j 13:27	2° Υ 10'01	0°05'33
min. Earth dist.	-12245 Sep 05 j 14:08	17° Υ 10'12	0.66106 AU	transit middle	-12244 Aug 18 j 13:27	2° Υ 10'01	0°05'33
morning rise	-12245 Sep 09 j 22:19	12° Υ 20'00		transit begin	-12244 Aug 18 j 10:53	2° Υ 18'43	
direct	-12245 Sep 15 j 20:37	9° Υ 48'51		transit end	-12244 Aug 18 j 16:01	2° Υ 01'19	
morning max el	-12245 Sep 28 j 01:35	16° Υ 59'48	25°41'17	min. Earth dist.	-12244 Aug 19 j 05:48	1° Υ 14'46	0.66778 AU
	-12245 Oct 09 j 00:07	0° Υ			-12244 Aug 20 j 04:15	30° Υ	
desc. node	-12245 Oct 19 j 09:26	14° Υ 57'40		morning rise	-12244 Aug 23 j 22:23	25° Υ 48'31	
	-12245 Oct 28 j 16:00	0° Υ		direct	-12244 Aug 29 j 06:21	23° Υ 33'10	
morning set	-12245 Nov 03 j 02:38	9° Υ 35'49			-12244 Sep 09 j 05:19	0° Υ	
max. Earth dist.	-12245 Nov 07 j 01:38	16° Υ 57'13	1.36455 AU	morning max el	-12244 Sep 09 j 11:25	0° Υ 15'17	24°23'31
					-12244 Oct 01 j 22:36	0° Υ	
superior conj	-12245 Nov 12 j 15:22	27° Υ 50'07	-1°36'59	desc. node	-12244 Oct 05 j 06:16	5° Υ 08'46	
minimum elong	-12245 Nov 12 j 15:52	27° Υ 52'35	1°36'35	morning set	-12244 Oct 15 j 01:16	21° Υ 17'30	
	-12245 Nov 13 j 17:14	0° Υ		max. Earth dist.	-12244 Oct 19 j 02:00	28° Υ 23'50	1.38315 AU
evening rise	-12245 Nov 20 j 13:10	13° Υ 54'56			-12244 Oct 19 j 23:18	0° Υ	
asc. node	-12245 Nov 28 j 08:46	28° Υ 53'58					
	-12245 Nov 29 j 00:05	0° Υ		superior conj	-12244 Oct 25 j 23:21	11° Υ 11'54	-1°36'09
evening max el	-12245 Dec 08 j 12:30	12° Υ 48'20	19°58'20	minimum elong	-12244 Oct 25 j 22:16	11° Υ 06'43	1°35'33
retrograde	-12245 Dec 18 j 11:44	17° Υ 29'31		evening rise	-12244 Nov 03 j 13:49	28° Υ 03'43	
evening set	-12245 Dec 21 j 02:16	17° Υ 11'46			-12244 Nov 04 j 13:28	0° Υ	
inferior conj	-12245 Dec 29 j 14:44	13° Υ 08'42	3°41'05	asc. node	-12244 Nov 14 j 06:07	17° Υ 25'39	
minimum elong	-12245 Dec 29 j 19:41	13° Υ 01'01	3°40'06	evening max el	-12244 Nov 20 j 07:08	25° Υ 00'44	19°01'23
min. Earth dist.	-12245 Dec 31 j 19:05	11° Υ 47'45	0.56283 AU	retrograde	-12244 Nov 28 j 21:06	29° Υ 07'39	
morning rise	-12244 Jan 07 j 11:12	8° Υ 34'16		evening set	-12244 Dec 01 j 09:02	28° Υ 48'12	
direct	-12244 Jan 11 j 15:56	7° Υ 55'08		inferior conj	-12244 Dec 09 j 09:03	24° Υ 29'14	4°14'23
desc. node	-12244 Jan 15 j 11:18	8° Υ 28'16		minimum elong	-12244 Dec 09 j 10:29	24° Υ 26'41	4°14'24
morning max el	-12244 Jan 25 j 08:07	14° Υ 44'19	23°51'13	min. Earth dist.	-12244 Dec 12 j 09:04	22° Υ 22'40	0.57687 AU
	-12244 Feb 06 j 05:15	0° Υ		morning rise	-12244 Dec 17 j 09:57	19° Υ 30'43	
morning set	-12244 Feb 18 j 13:44	23° Υ 06'55		direct	-12244 Dec 22 j 22:29	18° Υ 18'52	
	-12244 Feb 21 j 19:28	0° Υ		desc. node	-12243 Jan 01 j 07:57	21° Υ 39'24	
asc. node	-12244 Feb 24 j 06:21	5° Υ 16'58		morning max el	-12243 Jan 05 j 22:52	25° Υ 27'38	25°24'13
					-12243 Jan 10 j 05:00	0° Υ	
superior conj	-12244 Feb 25 j 15:12	8° Υ 13'37	0°12'54		-12243 Jan 29 j 01:43	0° Υ	
minimum elong	-12244 Feb 25 j 14:40	8° Υ 10'48	0°12'08	morning set	-12243 Feb 02 j 02:09	8° Υ 12'00	
behind sun begin	-12244 Feb 25 j 11:20	7° Υ 52'56					
behind sun end	-12244 Feb 25 j 18:00	8° Υ 28'41		superior conj	-12243 Feb 09 j 01:19	23° Υ 12'23	-0°10'21
max. Earth dist.	-12244 Feb 27 j 13:45	12° Υ 22'19	1.33572 AU	minimum elong	-12243 Feb 09 j 01:46	23° Υ 14'49	0°10'50
evening rise	-12244 Mar 04 j 05:15	24° Υ 03'08		behind sun begin	-12243 Feb 08 j 22:05	22° Υ 54'46	
	-12244 Mar 07 j 06:00	0° Υ		behind sun end	-12243 Feb 09 j 05:27	23° Υ 34'52	
	-12244 Mar 25 j 05:41	0° Υ		max. Earth dist.	-12243 Feb 10 j 00:09	25° Υ 16'21	1.33015 AU
evening max el	-12244 Apr 06 j 11:57	14° Υ 49'54	27°27'26	asc. node	-12243 Feb 10 j 03:35	25° Υ 34'58	
desc. node	-12244 Apr 12 j 11:29	19° Υ 43'02			-12243 Feb 12 j 04:45	0° Υ	
retrograde	-12244 Apr 20 j 06:57	22° Υ 24'20		evening rise	-12243 Feb 16 j 07:47	8° Υ 39'36	
evening set	-12244 Apr 27 j 05:13	19° Υ 53'41			-12243 Feb 27 j 16:37	0° Υ	
min. Earth dist.	-12244 Apr 30 j 21:21	16° Υ 41'23	0.63071 AU	evening max el	-12243 Mar 19 j 18:29	27° Υ 13'32	27°11'37
inferior conj	-12244 May 03 j 15:07	13° Υ 52'40	-3°25'16		-12243 Mar 22 j 21:38	0° Υ	
minimum elong	-12244 May 03 j 15:12	13° Υ 52'28	3°25'49	desc. node	-12243 Mar 30 j 08:41	4° Υ 13'07	
morning rise	-12244 May 10 j 02:14	8° Υ 38'30		retrograde	-12243 Apr 02 j 19:06	4° Υ 44'20	
direct	-12244 May 12 j 20:24	8° Υ 01'18		evening set	-12243 Apr 09 j 10:50	2° Υ 39'46	
morning max el	-12244 May 19 j 08:46	11° Υ 23'55	18°04'12		-12243 Apr 13 j 00:25	30° Υ	
asc. node	-12244 May 22 j 06:10	14° Υ 43'25		min. Earth dist.	-12243 Apr 13 j 07:10	29° Υ 45'29	0.61189 AU
	-12244 May 31 j 23:01	0° Υ		inferior conj	-12243 Apr 16 j 12:01	26° Υ 51'47	-3°15'07
morning set	-12244 Jun 05 j 13:42	8° Υ 02'00		minimum elong	-12243 Apr 16 j 10:22	26° Υ 55'34	3°15'39
				morning rise	-12243 Apr 23 j 11:53	21° Υ 57'09	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

direct	-12243 Apr 26 j 01:31	21° ♁ 29'03		direct	-12242 Apr 08 j 17:34	4° ♁ 28'24	
morning max el	-12243 May 02 j 22:16	24° ♁ 54'07	18°05'26	morning max el	-12242 Apr 16 j 08:42	8° ♁ 09'25	18°25'38
	-12243 May 07 j 03:58	0° ♁		asc. node	-12242 Apr 25 j 23:51	21° ♁ 44'58	
asc. node	-12243 May 09 j 03:00	2° ♁ 54'39			-12242 Apr 30 j 12:09	0° ♁	
morning set	-12243 May 19 j 04:52	20° ♁ 29'22		morning set	-12242 May 02 j 11:45	3° ♁ 45'16	
	-12243 May 24 j 10:21	0° ♁					
superior conj	-12243 May 29 j 22:50	9° ♁ 47'35	1°49'06	superior conj	-12242 May 12 j 00:13	21° ♁ 40'16	1°44'14
minimum elong	-12243 May 29 j 23:04	9° ♁ 48'35	1°48'50	minimum elong	-12242 May 11 j 22:03	21° ♁ 30'18	1°43'39
max. Earth dist.	-12243 Jun 06 j 04:31	22° ♁ 06'29	1.41952 AU		-12242 May 16 j 15:15	0° ♁	
	-12243 Jun 11 j 00:18	0° ♁		max. Earth dist.	-12242 May 19 j 06:41	4° ♁ 37'03	1.40164 AU
evening rise	-12243 Jun 12 j 21:53	3° ♁ 02'33		evening rise	-12242 May 24 j 01:01	12° ♁ 41'14	
desc. node	-12243 Jun 26 j 05:45	23° ♁ 30'25			-12242 Jun 03 j 21:58	0° ♁	
	-12243 Jun 30 j 16:51	0° ♁		desc. node	-12242 Jun 13 j 03:18	13° ♁ 33'33	
evening max el	-12243 Jul 15 j 01:04	18° ♁ 20'38	21°53'59		-12242 Jun 26 j 00:08	0° ♁	
retrograde	-12243 Jul 24 j 02:51	23° ♁ 42'55		evening max el	-12242 Jun 27 j 14:18	1° ♁ 40'00	23°15'17
evening set	-12243 Jul 28 j 12:58	21° ♁ 56'08		retrograde	-12242 Jul 07 j 20:01	7° ♁ 44'58	
inferior conj	-12243 Aug 02 j 19:03	15° ♁ 44'52	-0°44'09	evening set	-12242 Jul 12 j 20:21	5° ♁ 37'03	
minimum elong	-12243 Aug 02 j 19:57	15° ♁ 41'46	0°43'18		-12242 Jul 17 j 14:29	30° ♁	
min. Earth dist.	-12243 Aug 03 j 00:42	15° ♁ 25'19	0.67155 AU	inferior conj	-12242 Jul 18 j 01:25	29° ♁ 22'17	-1°29'26
asc. node	-12243 Aug 05 j 04:08	12° ♁ 33'21		minimum elong	-12242 Jul 18 j 03:06	29° ♁ 16'28	1°28'31
morning rise	-12243 Aug 08 j 02:50	9° ♁ 24'57		min. Earth dist.	-12242 Jul 17 j 20:24	29° ♁ 39'34	0.67229 AU
direct	-12243 Aug 12 j 20:52	7° ♁ 27'34		morning rise	-12242 Jul 23 j 09:46	23° ♁ 07'15	
morning max el	-12243 Aug 22 j 22:41	13° ♁ 31'29	22°59'43	asc. node	-12242 Jul 23 j 00:56	23° ♁ 25'28	
	-12243 Sep 05 j 02:40	0° ♁		direct	-12242 Jul 27 j 15:17	21° ♁ 27'50	
desc. node	-12243 Sep 22 j 03:14	25° ♁ 33'50		morning max el	-12242 Aug 05 j 13:47	26° ♁ 49'22	21°38'03
	-12243 Sep 24 j 21:13	0° ♁			-12242 Aug 08 j 10:28	0° ♁	
morning set	-12243 Sep 25 j 22:48	1° ♁ 44'38		morning set	-12242 Aug 29 j 17:03	0° ♁	
max. Earth dist.	-12243 Oct 01 j 01:25	10° ♁ 18'40	1.40294 AU	desc. node	-12242 Sep 05 j 18:48	10° ♁ 59'18	
				max. Earth dist.	-12242 Sep 09 j 00:19	16° ♁ 08'15	
superior conj	-12243 Oct 08 j 15:27	23° ♁ 42'30	-1°26'06		-12242 Sep 13 j 05:04	22° ♁ 58'14	1.42124 AU
minimum elong	-12243 Oct 08 j 12:32	23° ♁ 29'12	1°25'12		-12242 Sep 17 j 10:06	0° ♁	
	-12243 Oct 12 j 01:20	0° ♁		superior conj	-12242 Sep 20 j 10:05	5° ♁ 07'39	-1°04'38
evening rise	-12243 Oct 18 j 06:18	11° ♁ 44'10		minimum elong	-12242 Sep 20 j 05:58	4° ♁ 49'54	1°03'29
	-12243 Oct 28 j 11:11	0° ♁		evening rise	-12242 Oct 01 j 11:04	24° ♁ 48'02	
asc. node	-12243 Nov 01 j 03:26	5° ♁ 09'52			-12242 Oct 04 j 07:48	0° ♁	
evening max el	-12243 Nov 03 j 10:43	7° ♁ 42'57	18°24'46	evening max el	-12242 Oct 17 j 20:42	20° ♁ 48'12	18°08'12
retrograde	-12243 Nov 11 j 00:06	11° ♁ 27'47		asc. node	-12242 Oct 19 j 00:41	21° ♁ 52'47	
evening set	-12243 Nov 13 j 11:15	11° ♁ 05'02		retrograde	-12242 Oct 24 j 18:43	24° ♁ 22'06	
inferior conj	-12243 Nov 20 j 22:36	6° ♁ 25'28	4°12'41	evening set	-12242 Oct 27 j 06:58	23° ♁ 54'17	
minimum elong	-12243 Nov 20 j 20:42	6° ♁ 29'21	4°12'51	inferior conj	-12242 Nov 03 j 06:10	18° ♁ 53'32	3°46'49
min. Earth dist.	-12243 Nov 24 j 03:16	3° ♁ 49'57	0.59452 AU	minimum elong	-12242 Nov 03 j 02:34	19° ♁ 01'54	3°46'41
morning rise	-12243 Nov 28 j 04:25	1° ♁ 05'14		min. Earth dist.	-12242 Nov 06 j 04:47	16° ♁ 09'25	0.61294 AU
	-12243 Nov 30 j 13:43	30° ♁		morning rise	-12242 Nov 09 j 20:51	13° ♁ 15'01	
direct	-12243 Dec 04 j 16:41	29° ♁ 15'43		direct	-12242 Nov 16 j 20:52	10° ♁ 54'24	
	-12243 Dec 08 j 21:53	0° ♁		morning max el	-12242 Nov 30 j 18:32	18° ♁ 21'02	27°23'14
morning max el	-12243 Dec 18 j 17:34	6° ♁ 35'24	26°38'39	desc. node	-12242 Dec 06 j 01:09	24° ♁ 02'54	
desc. node	-12243 Dec 19 j 04:34	7° ♁ 02'02			-12242 Dec 10 j 17:01	0° ♁	
	-12242 Jan 05 j 06:14	0° ♁			-12242 Dec 28 j 20:09	0° ♁	
morning set	-12242 Jan 17 j 13:00	23° ♁ 12'29		morning set	-12241 Jan 01 j 20:22	8° ♁ 01'15	
	-12242 Jan 20 j 17:47	0° ♁		max. Earth dist.	-12241 Jan 08 j 01:53	21° ♁ 15'10	1.32893 AU
superior conj	-12242 Jan 24 j 13:02	8° ♁ 16'18	-0°32'27	superior conj	-12241 Jan 09 j 00:43	23° ♁ 19'21	-0°52'41
minimum elong	-12242 Jan 24 j 14:18	8° ♁ 23'10	0°32'39	minimum elong	-12241 Jan 09 j 02:32	23° ♁ 29'15	0°52'40
max. Earth dist.	-12242 Jan 24 j 13:24	8° ♁ 18'14	1.32785 AU		-12241 Jan 12 j 02:18	0° ♁	
asc. node	-12242 Jan 28 j 00:52	15° ♁ 52'21		asc. node	-12241 Jan 14 j 22:11	6° ♁ 04'55	
evening rise	-12242 Jan 31 j 15:08	23° ♁ 30'18		evening rise	-12241 Jan 16 j 01:20	8° ♁ 28'14	
	-12242 Feb 03 j 19:45	0° ♁			-12241 Jan 27 j 09:21	0° ♁	
	-12242 Feb 21 j 22:33	0° ♁		evening max el	-12241 Feb 11 j 15:50	20° ♁ 12'54	25°08'43
evening max el	-12242 Mar 01 j 19:45	8° ♁ 59'51	26°23'34	retrograde	-12241 Feb 25 j 15:51	27° ♁ 17'22	
retrograde	-12242 Mar 15 j 22:52	16° ♁ 21'54		evening set	-12241 Mar 02 j 14:58	26° ♁ 20'11	
desc. node	-12242 Mar 17 j 05:48	16° ♁ 17'40		desc. node	-12241 Mar 04 j 02:45	25° ♁ 42'03	
evening set	-12242 Mar 21 j 22:07	14° ♁ 51'27		min. Earth dist.	-12241 Mar 08 j 05:31	23° ♁ 18'57	0.57389 AU
min. Earth dist.	-12242 Mar 26 j 09:08	12° ♁ 00'21	0.59202 AU	inferior conj	-12241 Mar 11 j 03:05	21° ♁ 20'30	-1°40'57
inferior conj	-12242 Mar 29 j 17:02	9° ♁ 23'29	-2°42'11	minimum elong	-12241 Mar 10 j 23:51	21° ♁ 26'02	1°40'48
minimum elong	-12242 Mar 29 j 13:49	9° ♁ 29'49	2°42'19	morning rise	-12241 Mar 19 j 11:59	17° ♁ 03'37	
morning rise	-12242 Apr 06 j 08:29	4° ♁ 48'46		direct	-12241 Mar 21 j 16:59	16° ♁ 48'57	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning max el	-12241 Mar 30 j 13:02	21° 𐌶 00'35	19°05'20	transit end	-12240 Feb 19 j 19:49	2° 𐌶 35'51	
	-12241 Apr 06 j 13:34	0° 𐌶			-12240 Feb 24 j 12:11	30° 𐌶 𐌵	
asc. node	-12241 Apr 12 j 20:47	11° 𐌶 05'28		morning rise	-12240 Feb 28 j 18:46	28° 𐌵 34'04	
morning set	-12241 Apr 16 j 06:11	17° 𐌶 39'56		direct	-12240 Mar 01 j 22:52	28° 𐌵 22'02	
	-12241 Apr 22 j 12:28	0° 𐌶			-12240 Mar 07 j 22:51	0° 𐌶	
				morning max el	-12240 Mar 12 j 08:15	3° 𐌶 17'37	20°04'54
superior conj	-12241 Apr 24 j 20:49	4° 𐌶 32'55	1°30'42		-12240 Mar 29 j 08:06	0° 𐌶	
minimum elong	-12241 Apr 24 j 17:46	4° 𐌶 18'20	1°29'47	asc. node	-12240 Mar 29 j 17:47	0° 𐌶 48'31	
max. Earth dist.	-12241 May 01 j 06:36	16° 𐌶 31'39	1.38299 AU	morning set	-12240 Mar 30 j 08:47	2° 𐌶 04'05	
evening rise	-12241 May 05 j 07:46	23° 𐌶 43'37					
	-12241 May 08 j 23:43	0° 𐌶		superior conj	-12240 Apr 07 j 07:32	18° 𐌶 11'43	1°11'46
	-12241 May 28 j 15:22	0° 𐌶		minimum elong	-12240 Apr 07 j 04:41	17° 𐌶 57'26	1°10'41
desc. node	-12241 May 31 j 00:49	3° 𐌶 12'54		max. Earth dist.	-12240 Apr 12 j 10:34	28° 𐌶 14'00	1.36572 AU
evening max el	-12241 Jun 10 j 00:24	15° 𐌶 00'03	24°37'09		-12240 Apr 13 j 08:52	0° 𐌶	
retrograde	-12241 Jun 21 j 09:30	21° 𐌶 43'24		evening rise	-12240 Apr 16 j 14:17	5° 𐌶 59'54	
evening set	-12241 Jun 27 j 00:35	19° 𐌶 16'13			-12240 Apr 30 j 20:08	0° 𐌶	
min. Earth dist.	-12241 Jul 01 j 14:28	13° 𐌶 55'43	0.66987 AU	desc. node	-12240 May 16 j 22:16	22° 𐌶 18'51	
inferior conj	-12241 Jul 02 j 06:54	13° 𐌶 00'20	-2°09'35	evening max el	-12240 May 22 j 10:12	28° 𐌶 22'04	25°51'06
minimum elong	-12241 Jul 02 j 09:04	12° 𐌶 53'01	2°08'48		-12240 May 24 j 03:20	0° 𐌶	
morning rise	-12241 Jul 07 j 17:31	6° 𐌶 53'40		retrograde	-12240 Jun 03 j 18:37	5° 𐌶 33'47	
asc. node	-12241 Jul 09 j 21:43	5° 𐌶 45'44		evening set	-12240 Jun 09 j 23:34	2° 𐌶 52'21	
direct	-12241 Jul 11 j 12:17	5° 𐌶 31'05			-12240 Jun 12 j 17:23	30° 𐌶 𐌶	
morning max el	-12241 Jul 19 j 10:45	10° 𐌶 11'54	20°24'48	min. Earth dist.	-12240 Jun 14 j 04:32	28° 𐌶 11'08	0.66391 AU
	-12241 Aug 03 j 04:39	0° 𐌶		inferior conj	-12240 Jun 15 j 09:41	26° 𐌶 37'23	-2°43'11
morning set	-12241 Aug 15 j 22:58	19° 𐌶 30'38		minimum elong	-12240 Jun 15 j 11:57	26° 𐌶 30'07	2°42'44
	-12241 Aug 22 j 15:22	0° 𐌶		morning rise	-12240 Jun 21 j 00:22	20° 𐌶 42'18	
max. Earth dist.	-12241 Aug 26 j 15:04	6° 𐌶 21'44	1.43558 AU	direct	-12240 Jun 24 j 10:15	19° 𐌶 34'50	
desc. node	-12241 Aug 26 j 21:30	6° 𐌶 47'37		asc. node	-12240 Jun 25 j 18:29	19° 𐌶 44'51	
				morning max el	-12240 Jul 01 j 14:16	23° 𐌶 41'36	19°24'25
superior conj	-12241 Sep 01 j 02:01	15° 𐌶 13'51	-0°30'46		-12240 Jul 06 j 18:31	0° 𐌶	
minimum elong	-12241 Aug 31 j 23:05	15° 𐌶 01'48	0°29'43	morning set	-12240 Jul 25 j 06:43	28° 𐌶 13'32	
	-12241 Sep 09 j 21:11	0° 𐌶			-12240 Jul 26 j 09:47	0° 𐌶	
evening rise	-12241 Sep 13 j 23:25	7° 𐌶 03'13		max. Earth dist.	-12240 Aug 08 j 06:12	20° 𐌶 16'24	1.44402 AU
	-12241 Sep 27 j 23:19	0° 𐌶					
evening max el	-12241 Oct 01 j 09:58	4° 𐌶 07'43	18°10'45	superior conj	-12240 Aug 10 j 15:33	24° 𐌶 04'19	0°12'41
asc. node	-12241 Oct 05 j 21:51	7° 𐌶 17'31		minimum elong	-12240 Aug 10 j 17:07	24° 𐌶 10'33	0°13'04
retrograde	-12241 Oct 08 j 01:04	7° 𐌶 40'43		behind sun begin	-12240 Aug 10 j 10:18	23° 𐌶 43'25	
evening set	-12241 Oct 10 j 16:31	7° 𐌶 05'32		behind sun end	-12240 Aug 10 j 23:55	24° 𐌶 37'41	
inferior conj	-12241 Oct 17 j 04:31	1° 𐌶 45'13	3°06'26	desc. node	-12240 Aug 12 j 18:47	27° 𐌶 28'50	
minimum elong	-12241 Oct 17 j 00:44	1° 𐌶 55'09	3°06'06		-12240 Aug 14 j 08:31	0° 𐌶	
	-12241 Oct 18 j 20:25	30° 𐌶 𐌶		evening rise	-12240 Aug 25 j 13:48	18° 𐌶 16'25	
min. Earth dist.	-12241 Oct 19 j 15:42	29° 𐌶 10'12	0.62998 AU		-12240 Sep 01 j 16:36	0° 𐌶	
morning rise	-12241 Oct 23 j 08:02	25° 𐌶 51'12		evening max el	-12240 Sep 13 j 23:31	17° 𐌶 35'13	18°31'27
direct	-12241 Oct 30 j 08:48	23° 𐌶 12'34		retrograde	-12240 Sep 20 j 15:19	21° 𐌶 16'23	
	-12241 Nov 12 j 06:39	0° 𐌶		asc. node	-12240 Sep 21 j 18:58	21° 𐌶 09'03	
morning max el	-12241 Nov 13 j 00:54	0° 𐌶 43'26	27°33'24	evening set	-12240 Sep 23 j 12:08	20° 𐌶 31'10	
desc. node	-12241 Nov 22 j 21:45	12° 𐌶 13'29		inferior conj	-12240 Sep 29 j 14:22	14° 𐌶 54'10	2°18'18
	-12241 Dec 04 j 16:53	0° 𐌶		minimum elong	-12240 Sep 29 j 11:17	15° 𐌶 03'07	2°18'00
morning set	-12241 Dec 16 j 21:51	22° 𐌶 28'59		min. Earth dist.	-12240 Oct 01 j 12:40	12° 𐌶 40'07	0.64440 AU
	-12241 Dec 20 j 13:41	0° 𐌶		morning rise	-12240 Oct 05 j 09:49	8° 𐌶 47'33	
max. Earth dist.	-12241 Dec 22 j 09:57	3° 𐌶 53'48	1.33364 AU	direct	-12240 Oct 12 j 03:29	6° 𐌶 04'11	
				morning max el	-12240 Oct 25 j 10:32	13° 𐌶 35'02	27°10'29
superior conj	-12241 Dec 24 j 10:33	8° 𐌶 13'58	-1°10'21		-12240 Nov 07 j 21:43	0° 𐌶	
minimum elong	-12241 Dec 24 j 12:36	8° 𐌶 24'58	1°10'10	desc. node	-12240 Nov 08 j 18:25	1° 𐌶 13'52	
evening rise	-12241 Dec 31 j 12:34	23° 𐌶 25'50			-12240 Nov 26 j 05:25	0° 𐌶	
asc. node	-12240 Jan 01 j 19:32	26° 𐌶 07'04		morning set	-12240 Nov 29 j 14:37	6° 𐌶 26'28	
	-12240 Jan 03 j 17:20	0° 𐌶		max. Earth dist.	-12240 Dec 04 j 10:08	16° 𐌶 04'45	1.34234 AU
	-12240 Jan 23 j 06:03	0° 𐌶					
evening max el	-12240 Jan 24 j 09:10	1° 𐌶 06'09	23°37'45	superior conj	-12240 Dec 07 j 16:38	22° 𐌶 53'37	-1°24'32
retrograde	-12240 Feb 06 j 19:58	7° 𐌶 40'52		minimum elong	-12240 Dec 07 j 18:30	23° 𐌶 03'24	1°24'16
evening set	-12240 Feb 10 j 17:56	7° 𐌶 07'14			-12240 Dec 11 j 01:04	0° 𐌶	
min. Earth dist.	-12240 Feb 17 j 22:09	3° 𐌶 44'49	0.56059 AU	evening rise	-12240 Dec 14 j 23:14	8° 𐌶 17'21	
desc. node	-12240 Feb 18 j 23:35	3° 𐌶 06'30		asc. node	-12240 Dec 18 j 16:54	15° 𐌶 53'27	
inferior conj	-12240 Feb 19 j 17:41	2° 𐌶 39'04	-0°11'29		-12240 Dec 26 j 14:53	0° 𐌶	
minimum elong	-12240 Feb 19 j 17:12	2° 𐌶 39'49	0°11'58	evening max el	-12239 Jan 05 j 04:34	12° 𐌶 01'59	22°04'08
transit middle	-12240 Feb 19 j 17:12	2° 𐌶 39'49	0°11'58	retrograde	-12239 Jan 17 j 13:27	17° 𐌶 55'18	
transit begin	-12240 Feb 19 j 14:35	2° 𐌶 43'47		evening set	-12239 Jan 20 j 16:31	17° 𐌶 33'38	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

inferior conj	-12239 Jan 29 j 18:10	13° \mathbb{M} 28'03	1°32'23	minimum elong	-12238 Jan 09 j 22:10	24° \mathbb{Q} 03'15	3°02'04
minimum elong	-12239 Jan 29 j 21:59	13° \mathbb{M} 22'37	1°30'44	min. Earth dist.	-12238 Jan 11 j 02:15	23° \mathbb{Q} 21'55	0.55747 AU
min. Earth dist.	-12239 Jan 29 j 12:37	13° \mathbb{M} 35'58	0.55473 AU	morning rise	-12238 Jan 18 j 21:18	19° \mathbb{Q} 50'17	
desc. node	-12239 Feb 04 j 20:22	10° \mathbb{M} 21'32		direct	-12238 Jan 22 j 07:35	19° \mathbb{Q} 24'24	
morning rise	-12239 Feb 08 j 03:53	9° \mathbb{M} 22'39		desc. node	-12238 Jan 22 j 17:07	19° \mathbb{Q} 24'46	
direct	-12239 Feb 10 j 15:59	9° \mathbb{M} 08'22		morning max el	-12238 Feb 04 j 14:00	25° \mathbb{Q} 55'38	22°55'23
morning max el	-12239 Feb 22 j 16:22	14° \mathbb{M} 54'31	21°23'07		-12238 Feb 08 j 09:07	0° \mathbb{M}	
	-12239 Mar 05 j 21:45	0° \mathbb{X}			-12238 Feb 26 j 07:19	0° \mathbb{X}	
morning set	-12239 Mar 14 j 16:48	16° \mathbb{X} 49'02		morning set	-12238 Feb 27 j 04:04	1° \mathbb{X} 47'44	
asc. node	-12239 Mar 16 j 14:50	20° \mathbb{X} 47'42		asc. node	-12238 Mar 03 j 11:58	10° \mathbb{X} 58'11	
	-12239 Mar 21 j 00:31	0° \mathbb{Z}					
				superior conj	-12238 Mar 06 j 08:15	17° \mathbb{X} 02'10	0°26'30
superior conj	-12239 Mar 22 j 04:22	2° \mathbb{Z} 24'33	0°49'49	minimum elong	-12238 Mar 06 j 07:08	16° \mathbb{X} 56'14	0°25'35
minimum elong	-12239 Mar 22 j 02:16	2° \mathbb{Z} 13'40	0°48'44	max. Earth dist.	-12238 Mar 08 j 21:47	22° \mathbb{X} 26'07	1.34037 AU
max. Earth dist.	-12239 Mar 25 j 23:11	10° \mathbb{Z} 07'32	1.35130 AU		-12238 Mar 12 j 14:22	0° \mathbb{Z}	
evening rise	-12239 Mar 30 j 14:48	19° \mathbb{Z} 13'13		evening rise	-12238 Mar 14 j 04:23	3° \mathbb{Z} 09'00	
	-12239 Apr 05 j 11:47	0° \mathbb{A}			-12238 Mar 29 j 07:50	0° \mathbb{A}	
	-12239 Apr 24 j 20:50	0° \mathbb{H}		evening max el	-12238 Apr 17 j 07:19	24° \mathbb{A} 47'07	27°21'38
desc. node	-12239 May 03 j 19:39	10° \mathbb{H} 37'28		desc. node	-12238 Apr 20 j 16:59	27° \mathbb{A} 49'41	
evening max el	-12239 May 04 j 20:42	11° \mathbb{H} 40'33	26°48'30		-12238 Apr 23 j 17:52	0° \mathbb{H}	
retrograde	-12239 May 17 j 22:50	19° \mathbb{H} 09'18		retrograde	-12238 Apr 30 j 21:46	2° \mathbb{H} 22'29	
evening set	-12239 May 24 j 14:53	16° \mathbb{H} 22'15			-12238 May 07 j 10:07	30° \mathbb{R} \mathbb{A}	
min. Earth dist.	-12239 May 28 j 12:25	12° \mathbb{H} 19'56	0.65408 AU	evening set	-12238 May 07 j 19:44	29° \mathbb{A} 41'53	
inferior conj	-12239 May 30 j 07:38	10° \mathbb{H} 10'17	-3°08'30	min. Earth dist.	-12238 May 11 j 12:27	26° \mathbb{A} 13'49	0.64029 AU
minimum elong	-12239 May 30 j 09:30	10° \mathbb{H} 04'40	3°08'30	inferior conj	-12238 May 13 j 22:20	23° \mathbb{A} 35'32	-3°23'05
morning rise	-12239 Jun 05 j 04:25	4° \mathbb{H} 29'27		minimum elong	-12238 May 13 j 23:14	23° \mathbb{A} 33'02	3°23'29
direct	-12239 Jun 08 j 07:04	3° \mathbb{H} 35'15		morning rise	-12238 May 20 j 03:30	18° \mathbb{A} 11'10	
asc. node	-12239 Jun 12 j 15:15	5° \mathbb{H} 14'02		direct	-12238 May 23 j 00:22	17° \mathbb{A} 28'21	
morning max el	-12239 Jun 14 j 23:20	7° \mathbb{H} 16'59	18°39'35	morning max el	-12238 May 29 j 12:03	20° \mathbb{A} 55'05	18°11'53
	-12239 Jun 30 j 14:30	0° \mathbb{Y}		asc. node	-12238 May 30 j 12:03	21° \mathbb{A} 58'26	
morning set	-12239 Jul 05 j 10:09	7° \mathbb{Y} 50'46			-12238 Jun 05 j 09:50	0° \mathbb{H}	
	-12239 Jul 19 j 04:59	0° \mathbb{B}		morning set	-12238 Jun 16 j 14:56	18° \mathbb{H} 38'24	
					-12238 Jun 23 j 08:37	0° \mathbb{Y}	
superior conj	-12239 Jul 20 j 15:35	2° \mathbb{B} 17'16	0°56'37				
minimum elong	-12239 Jul 20 j 21:38	2° \mathbb{B} 41'15	0°56'20	superior conj	-12238 Jun 30 j 00:37	10° \mathbb{Y} 58'08	1°29'39
max. Earth dist.	-12239 Jul 21 j 22:57	4° \mathbb{B} 21'31	1.44553 AU	minimum elong	-12238 Jun 30 j 06:28	11° \mathbb{Y} 21'53	1°29'20
desc. node	-12239 Jul 30 j 16:09	18° \mathbb{B} 08'22		max. Earth dist.	-12238 Jul 04 j 14:01	18° \mathbb{Y} 18'40	1.44009 AU
evening rise	-12239 Aug 06 j 01:16	28° \mathbb{B} 14'27			-12238 Jul 11 j 23:21	0° \mathbb{B}	
	-12239 Aug 07 j 03:54	0° \mathbb{I}		evening rise	-12238 Jul 16 j 11:29	7° \mathbb{B} 01'56	
	-12239 Aug 27 j 10:16	0° \mathbb{G}		desc. node	-12238 Jul 17 j 13:35	8° \mathbb{B} 43'15	
evening max el	-12239 Aug 28 j 10:28	1° \mathbb{G} 04'58	19°09'20		-12238 Jul 31 j 13:09	0° \mathbb{I}	
retrograde	-12239 Sep 04 j 10:06	5° \mathbb{G} 03'16		evening max el	-12238 Aug 11 j 16:27	14° \mathbb{I} 33'42	20°03'01
evening set	-12239 Sep 07 j 14:33	4° \mathbb{G} 04'50		retrograde	-12238 Aug 19 j 06:43	18° \mathbb{I} 57'58	
asc. node	-12239 Sep 08 j 16:01	3° \mathbb{G} 20'04		evening set	-12238 Aug 22 j 21:05	17° \mathbb{I} 43'00	
	-12239 Sep 11 j 22:24	30° \mathbb{R} \mathbb{I}		asc. node	-12238 Aug 26 j 13:02	14° \mathbb{I} 04'22	
inferior conj	-12239 Sep 13 j 08:43	28° \mathbb{I} 14'28	1°26'41	inferior conj	-12238 Aug 28 j 09:01	11° \mathbb{I} 42'29	0°34'28
minimum elong	-12239 Sep 13 j 06:44	28° \mathbb{I} 20'41	1°26'39	minimum elong	-12238 Aug 28 j 08:14	11° \mathbb{I} 45'05	0°34'50
min. Earth dist.	-12239 Sep 14 j 18:39	26° \mathbb{I} 28'14	0.65579 AU	min. Earth dist.	-12238 Aug 29 j 07:33	10° \mathbb{I} 27'55	0.66422 AU
morning rise	-12239 Sep 18 j 22:29	21° \mathbb{I} 58'57		morning rise	-12238 Sep 02 j 19:06	5° \mathbb{I} 22'06	
direct	-12239 Sep 25 j 04:25	19° \mathbb{I} 21'11		direct	-12238 Sep 08 j 11:17	2° \mathbb{I} 57'06	
morning max el	-12239 Oct 07 j 21:00	26° \mathbb{I} 43'32	26°19'56	morning max el	-12238 Sep 20 j 06:55	9° \mathbb{I} 58'06	25°09'28
	-12239 Oct 10 j 23:27	0° \mathbb{G}			-12238 Oct 06 j 06:09	0° \mathbb{G}	
desc. node	-12239 Oct 26 j 15:10	20° \mathbb{G} 49'22		desc. node	-12238 Oct 13 j 11:57	10° \mathbb{G} 49'35	
	-12239 Nov 01 j 11:46	0° \mathbb{Q}			-12238 Oct 25 j 02:10	0° \mathbb{Q}	
morning set	-12239 Nov 12 j 18:55	19° \mathbb{Q} 42'28		morning set	-12238 Oct 26 j 05:56	2° \mathbb{Q} 02'48	
max. Earth dist.	-12239 Nov 16 j 23:51	27° \mathbb{Q} 45'22	1.35521 AU	max. Earth dist.	-12238 Oct 30 j 03:24	9° \mathbb{Q} 07'24	1.37205 AU
	-12239 Nov 18 j 03:10	0° \mathbb{P}					
				superior conj	-12238 Nov 05 j 07:37	20° \mathbb{Q} 56'04	-1°37'39
superior conj	-12239 Nov 21 j 16:41	7° \mathbb{P} 10'51	-1°34'08	minimum elong	-12238 Nov 05 j 07:30	20° \mathbb{Q} 55'30	1°37'10
minimum elong	-12239 Nov 21 j 17:50	7° \mathbb{P} 16'46	1°33'47		-12238 Nov 09 j 20:40	0° \mathbb{P}	
evening rise	-12239 Nov 29 j 07:37	22° \mathbb{P} 57'10		evening rise	-12238 Nov 13 j 11:44	7° \mathbb{P} 18'49	
	-12239 Dec 02 j 19:34	0° \mathbb{A}		asc. node	-12238 Nov 22 j 11:38	24° \mathbb{P} 11'35	
asc. node	-12239 Dec 05 j 14:16	5° \mathbb{A} 17'46			-12238 Nov 26 j 07:26	0° \mathbb{A}	
evening max el	-12239 Dec 18 j 07:19	23° \mathbb{A} 22'06	20°39'45	evening max el	-12238 Nov 30 j 20:13	5° \mathbb{A} 15'47	19°31'48
retrograde	-12239 Dec 29 j 04:42	28° \mathbb{A} 28'50		retrograde	-12238 Dec 10 j 04:36	9° \mathbb{A} 40'53	
evening set	-12239 Dec 31 j 21:39	28° \mathbb{A} 11'09		evening set	-12238 Dec 12 j 17:37	9° \mathbb{A} 22'47	
inferior conj	-12238 Jan 09 j 16:23	24° \mathbb{A} 11'47	3°03'41	inferior conj	-12238 Dec 21 j 00:57	5° \mathbb{A} 14'21	4°00'04

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-12238 Dec 21 j 04:35	5°♌08'25	3°59'35			-12237 Nov 01 j 22:46	0°♏	
min. Earth dist.	-12238 Dec 23 j 15:48	3°♌32'05	0.56809 AU	asc. node		-12237 Nov 09 j 08:59	12°♏24'49	
morning rise	-12238 Dec 29 j 13:24	0°♌29'11		evening max el		-12237 Nov 13 j 19:03	17°♏42'18	18°43'24
	-12238 Dec 31 j 04:42	30°♏		retrograde		-12237 Nov 21 j 21:09	21°♏37'52	
direct	-12237 Jan 03 j 08:03	29°♏37'19		evening set		-12237 Nov 24 j 08:44	21°♏17'06	
	-12237 Jan 06 j 11:06	0°♌		inferior conj		-12237 Dec 02 j 03:20	16°♏49'53	4°17'19
desc. node	-12237 Jan 09 j 13:47	1°♌06'32		minimum elong		-12237 Dec 02 j 03:12	16°♏50'09	4°17'29
morning max el	-12237 Jan 17 j 05:16	6°♌37'23	24°32'01	min. Earth dist.		-12237 Dec 05 j 07:07	14°♏28'36	0.58413 AU
	-12237 Feb 03 j 01:40	0°♌		morning rise		-12237 Dec 09 j 19:47	11°♏42'02	
morning set	-12237 Feb 11 j 16:34	16°♌52'13		direct		-12237 Dec 15 j 20:06	10°♏13'47	
	-12237 Feb 17 j 19:22	0°♏		desc. node		-12237 Dec 27 j 10:25	15°♏17'32	
asc. node	-12237 Feb 18 j 09:10	1°♏14'37		morning max el		-12237 Dec 29 j 20:52	17°♏27'38	25°58'50
						-12236 Jan 09 j 06:41	0°♌	
superior conj	-12237 Feb 18 j 16:41	1°♏55'16	0°02'59			-12236 Jan 26 j 06:15	0°♌	
minimum elong	-12237 Feb 18 j 16:35	1°♏54'43	0°02'20	morning set		-12236 Jan 27 j 04:32	1°♌56'02	
behind sun begin	-12237 Feb 18 j 11:31	1°♏27'22						
behind sun end	-12237 Feb 18 j 21:39	2°♏22'04		superior conj		-12236 Feb 03 j 03:42	16°♌56'57	-0°19'53
max. Earth dist.	-12237 Feb 20 j 04:43	5°♏09'17	1.33295 AU	minimum elong		-12236 Feb 03 j 04:31	17°♌01'24	0°20'15
evening rise	-12237 Feb 26 j 03:03	17°♏33'43		max. Earth dist.		-12236 Feb 03 j 16:47	18°♌08'17	1.32884 AU
	-12237 Mar 04 j 13:29	0°♏		asc. node		-12236 Feb 05 j 06:24	21°♌32'48	
	-12237 Mar 23 j 22:21	0°♏				-12236 Feb 09 j 05:28	0°♏	
evening max el	-12237 Mar 30 j 16:09	7°♏29'51	27°24'43	evening rise		-12236 Feb 10 j 07:56	2°♏17'28	
desc. node	-12237 Apr 07 j 14:15	13°♏28'10				-12236 Feb 25 j 13:02	0°♏	
retrograde	-12237 Apr 13 j 14:19	15°♏03'46		evening max el		-12236 Mar 11 j 20:50	19°♏38'47	26°54'56
evening set	-12237 Apr 20 j 10:45	12°♏42'58		desc. node		-12236 Mar 24 j 11:25	27°♏00'03	
min. Earth dist.	-12237 Apr 24 j 03:41	9°♏39'45	0.62297 AU	retrograde		-12236 Mar 25 j 22:57	27°♏05'47	
inferior conj	-12237 Apr 27 j 02:43	6°♏46'26	-3°23'24	evening set		-12236 Apr 01 j 08:45	25°♏15'35	
minimum elong	-12237 Apr 27 j 02:06	6°♏47'58	3°23'59	min. Earth dist.		-12236 Apr 05 j 10:05	22°♏24'11	0.60348 AU
morning rise	-12237 May 03 j 18:54	1°♏40'17		inferior conj		-12236 Apr 08 j 17:20	19°♏35'11	-3°04'21
direct	-12237 May 06 j 10:59	1°♏07'15		minimum elong		-12236 Apr 08 j 14:56	19°♏40'22	3°04'43
morning max el	-12237 May 13 j 01:59	4°♏29'46	18°02'21	morning rise		-12236 Apr 15 j 23:27	14°♏48'41	
asc. node	-12237 May 17 j 08:51	9°♏41'48		direct		-12236 Apr 18 j 11:13	14°♏23'59	
	-12237 May 29 j 11:37	0°♏		morning max el		-12236 Apr 25 j 14:26	17°♏54'11	18°11'34
morning set	-12237 May 29 j 18:55	0°♏32'31		asc. node		-12236 May 03 j 05:40	28°♏10'49	
						-12236 May 04 j 07:46	0°♏	
superior conj	-12237 Jun 10 j 09:50	20°♏50'15	1°46'25	morning set		-12236 May 11 j 17:20	13°♏22'04	
minimum elong	-12237 Jun 10 j 12:08	20°♏59'59	1°46'13			-12236 May 20 j 18:29	0°♏	
	-12237 Jun 15 j 21:37	0°♏						
max. Earth dist.	-12237 Jun 17 j 01:05	1°♏52'25	1.42845 AU	superior conj		-12236 May 21 j 21:40	2°♏01'32	1°48'20
evening rise	-12237 Jun 25 j 11:36	15°♏21'37		minimum elong		-12236 May 21 j 20:40	1°♏57'06	1°47'57
desc. node	-12237 Jul 04 j 11:05	29°♏09'58		max. Earth dist.		-12236 May 29 j 06:50	14°♏49'45	1.41224 AU
	-12237 Jul 05 j 00:22	0°♏		evening rise		-12236 Jun 04 j 00:26	24°♏18'17	
evening max el	-12237 Jul 25 j 15:50	27°♏59'22	21°10'26			-12236 Jun 07 j 13:51	0°♏	
	-12237 Jul 27 j 19:21	0°♏		desc. node		-12236 Jun 20 j 08:38	19°♏23'28	
retrograde	-12237 Aug 03 j 03:06	2°♏58'11				-12236 Jun 27 j 22:25	0°♏	
evening set	-12237 Aug 07 j 05:29	1°♏23'42		evening max el		-12236 Jul 07 j 08:24	11°♏20'46	22°28'06
	-12237 Aug 08 j 18:17	30°♏		retrograde		-12236 Jul 16 j 21:39	17°♏00'33	
inferior conj	-12237 Aug 12 j 13:08	25°♏15'50	-0°16'16	evening set		-12236 Jul 21 j 13:46	15°♏04'44	
minimum elong	-12237 Aug 12 j 13:28	25°♏14'41	0°15'33	inferior conj		-12236 Jul 26 j 19:10	8°♏51'56	-1°03'56
transit middle	-12237 Aug 12 j 13:28	25°♏14'41	0°15'33	minimum elong		-12236 Jul 26 j 20:26	8°♏47'34	1°03'01
transit begin	-12237 Aug 12 j 12:37	25°♏17'39		min. Earth dist.		-12236 Jul 26 j 20:22	8°♏47'49	0.67228 AU
transit end	-12237 Aug 12 j 14:20	25°♏11'44		asc. node		-12236 Jul 30 j 06:48	4°♏21'36	
min. Earth dist.	-12237 Aug 13 j 00:56	24°♏35'30	0.66973 AU	morning rise		-12236 Aug 01 j 03:01	2°♏33'53	
asc. node	-12237 Aug 13 j 09:57	24°♏04'46		direct		-12236 Aug 05 j 15:38	0°♏44'06	
morning rise	-12237 Aug 17 j 21:18	18°♏54'42		morning max el		-12236 Aug 15 j 05:21	6°♏29'27	22°24'18
direct	-12237 Aug 22 j 23:20	16°♏46'34				-12236 Sep 02 j 03:45	0°♏	
morning max el	-12237 Sep 02 j 16:54	23°♏13'28	23°48'03	desc. node		-12236 Sep 16 j 05:51	21°♏36'52	
	-12237 Sep 08 j 15:45	0°♏		morning set		-12236 Sep 17 j 04:28	23°♏07'47	
	-12237 Sep 29 j 15:48	0°♏				-12236 Sep 21 j 09:13	0°♏	
desc. node	-12237 Sep 30 j 08:51	1°♏07'26		max. Earth dist.		-12236 Sep 23 j 03:11	2°♏55'19	1.41112 AU
morning set	-12237 Oct 07 j 18:21	13°♏13'53						
max. Earth dist.	-12237 Oct 12 j 02:08	20°♏41'14	1.39152 AU	superior conj		-12236 Sep 30 j 17:11	16°♏02'47	-1°18'29
	-12237 Oct 17 j 06:15	0°♏		minimum elong		-12236 Sep 30 j 13:35	15°♏46'47	1°17'29
						-12236 Oct 08 j 08:41	0°♏	
superior conj	-12237 Oct 19 j 09:31	3°♏58'19	-1°33'10	evening rise		-12236 Oct 10 j 21:12	4°♏42'12	
minimum elong	-12237 Oct 19 j 07:40	3°♏49'35	1°32'27	asc. node		-12236 Oct 26 j 06:16	29°♏44'32	
evening rise	-12237 Oct 28 j 09:17	21°♏16'29				-12236 Oct 26 j 12:03	0°♏	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening max el	-12236 Oct 27 j 01:39	0° $\mathring{\text{M}}$ 34'40	18°15'17	evening rise	-12235 Sep 23 j 19:36	17° $\mathring{\text{D}}$ 26'56	
retrograde	-12236 Nov 03 j 07:16	4° $\mathring{\text{M}}$ 13'30			-12235 Sep 30 j 22:40	0° $\mathring{\text{Q}}$	
evening set	-12236 Nov 05 j 18:45	3° $\mathring{\text{M}}$ 48'42		evening max el	-12235 Oct 10 j 13:17	13° $\mathring{\text{Q}}$ 46'06	18°06'56
	-12236 Nov 11 j 20:31	30° $\mathring{\text{R}}$ $\mathring{\text{Q}}$		asc. node	-12235 Oct 13 j 03:29	15° $\mathring{\text{Q}}$ 55'55	
inferior conj	-12236 Nov 13 j 00:46	28° $\mathring{\text{Q}}$ 59'40	4°04'00	retrograde	-12235 Oct 17 j 07:30	17° $\mathring{\text{Q}}$ 18'50	
minimum elong	-12236 Nov 12 j 21:56	29° $\mathring{\text{Q}}$ 05'48	4°04'04	evening set	-12235 Oct 19 j 20:46	16° $\mathring{\text{Q}}$ 48'14	
min. Earth dist.	-12236 Nov 16 j 03:42	26° $\mathring{\text{Q}}$ 18'25	0.60244 AU	inferior conj	-12235 Oct 26 j 15:01	11° $\mathring{\text{Q}}$ 38'35	3°31'00
morning rise	-12236 Nov 19 j 23:40	23° $\mathring{\text{Q}}$ 31'34		minimum elong	-12235 Oct 26 j 11:12	11° $\mathring{\text{Q}}$ 47'59	3°30'45
direct	-12236 Nov 26 j 18:26	21° $\mathring{\text{Q}}$ 27'45		min. Earth dist.	-12235 Oct 29 j 09:02	8° $\mathring{\text{Q}}$ 56'34	0.62043 AU
morning max el	-12236 Dec 10 j 18:02	28° $\mathring{\text{Q}}$ 49'45	27°01'47	morning rise	-12235 Nov 02 j 00:29	5° $\mathring{\text{Q}}$ 52'50	
	-12236 Dec 11 j 22:29	0° $\mathring{\text{M}}$		direct	-12235 Nov 09 j 01:46	3° $\mathring{\text{Q}}$ 23'08	
desc. node	-12236 Dec 13 j 07:00	1° $\mathring{\text{M}}$ 25'09		morning max el	-12235 Nov 22 j 21:45	10° $\mathring{\text{Q}}$ 52'09	27°31'55
	-12235 Jan 01 j 21:54	0° $\mathring{\text{D}}$		desc. node	-12235 Nov 30 j 03:34	18° $\mathring{\text{Q}}$ 58'16	
morning set	-12235 Jan 10 j 14:08	16° $\mathring{\text{D}}$ 52'10			-12235 Dec 08 j 01:58	0° $\mathring{\text{M}}$	
	-12235 Jan 16 j 17:26	0° $\mathring{\text{M}}$			-12235 Dec 25 j 00:58	0° $\mathring{\text{D}}$	
				morning set	-12235 Dec 25 j 19:18	1° $\mathring{\text{D}}$ 32'56	
superior conj	-12235 Jan 17 j 15:34	2° $\mathring{\text{M}}$ 00'50	-0°41'17	max. Earth dist.	-12235 Dec 31 j 17:27	14° $\mathring{\text{D}}$ 01'06	1.33043 AU
minimum elong	-12235 Jan 17 j 17:06	2° $\mathring{\text{M}}$ 09'11	0°41'24				
max. Earth dist.	-12235 Jan 17 j 06:19	1° $\mathring{\text{M}}$ 10'17	1.32792 AU	superior conj	-12234 Jan 02 j 02:38	17° $\mathring{\text{D}}$ 00'38	-1°00'33
asc. node	-12235 Jan 22 j 03:42	11° $\mathring{\text{M}}$ 48'30		minimum elong	-12234 Jan 02 j 04:36	17° $\mathring{\text{D}}$ 11'15	1°00'28
evening rise	-12235 Jan 24 j 16:42	17° $\mathring{\text{M}}$ 11'59			-12234 Jan 08 j 02:54	0° $\mathring{\text{M}}$	
	-12235 Jan 31 j 03:11	0° $\mathring{\text{J}}$		evening rise	-12234 Jan 09 j 03:31	2° $\mathring{\text{M}}$ 10'06	
	-12235 Feb 20 j 15:20	0° $\mathring{\text{Z}}$		asc. node	-12234 Jan 09 j 01:02	1° $\mathring{\text{M}}$ 57'03	
evening max el	-12235 Feb 21 j 19:50	1° $\mathring{\text{Z}}$ 10'15	25°54'28		-12234 Jan 24 j 12:47	0° $\mathring{\text{J}}$	
retrograde	-12235 Mar 07 j 22:06	8° $\mathring{\text{Z}}$ 25'29		evening max el	-12234 Feb 03 j 14:01	12° $\mathring{\text{J}}$ 11'29	24°31'12
desc. node	-12235 Mar 11 j 08:26	7° $\mathring{\text{Z}}$ 56'34		retrograde	-12234 Feb 17 j 09:55	19° $\mathring{\text{J}}$ 05'43	
evening set	-12235 Mar 13 j 11:59	7° $\mathring{\text{Z}}$ 09'45		evening set	-12234 Feb 21 j 22:06	18° $\mathring{\text{J}}$ 19'47	
min. Earth dist.	-12235 Mar 18 j 09:07	4° $\mathring{\text{Z}}$ 16'07	0.58396 AU	desc. node	-12234 Feb 26 j 05:20	16° $\mathring{\text{J}}$ 20'36	
inferior conj	-12235 Mar 21 j 14:35	1° $\mathring{\text{Z}}$ 53'20	-2°19'54	min. Earth dist.	-12234 Feb 28 j 03:29	15° $\mathring{\text{J}}$ 11'04	0.56740 AU
minimum elong	-12235 Mar 21 j 11:06	1° $\mathring{\text{Z}}$ 59'50	2°19'51	inferior conj	-12234 Mar 02 j 16:06	13° $\mathring{\text{J}}$ 33'30	-1°06'00
	-12235 Mar 24 j 06:16	30° $\mathring{\text{R}}$ $\mathring{\text{J}}$		minimum elong	-12234 Mar 02 j 13:41	13° $\mathring{\text{J}}$ 37'24	1°05'59
morning rise	-12235 Mar 29 j 13:20	27° $\mathring{\text{J}}$ 26'40		morning rise	-12234 Mar 11 j 08:24	9° $\mathring{\text{J}}$ 23'15	
direct	-12235 Mar 31 j 20:46	27° $\mathring{\text{J}}$ 08'53		direct	-12234 Mar 13 j 12:17	9° $\mathring{\text{J}}$ 10'14	
	-12235 Apr 07 j 19:16	0° $\mathring{\text{Z}}$		morning max el	-12234 Mar 22 j 23:30	13° $\mathring{\text{J}}$ 38'51	19°28'23
morning max el	-12235 Apr 08 j 22:38	1° $\mathring{\text{Z}}$ 00'40	18°40'07		-12234 Apr 03 j 09:40	0° $\mathring{\text{Z}}$	
asc. node	-12235 Apr 20 j 02:32	17° $\mathring{\text{Z}}$ 15'16		asc. node	-12234 Apr 06 j 23:29	6° $\mathring{\text{Z}}$ 46'09	
morning set	-12235 Apr 25 j 05:39	26° $\mathring{\text{Z}}$ 56'25		morning set	-12234 Apr 09 j 03:56	11° $\mathring{\text{Z}}$ 04'51	
	-12235 Apr 26 j 19:37	0° $\mathring{\text{X}}$					
				superior conj	-12234 Apr 17 j 11:10	27° $\mathring{\text{Z}}$ 36'49	1°23'11
superior conj	-12235 May 04 j 07:57	14° $\mathring{\text{X}}$ 22'19	1°39'21	minimum elong	-12234 Apr 17 j 08:07	27° $\mathring{\text{Z}}$ 21'52	1°22'11
minimum elong	-12235 May 04 j 05:15	14° $\mathring{\text{X}}$ 09'41	1°38'37		-12234 Apr 18 j 16:35	0° $\mathring{\text{X}}$	
max. Earth dist.	-12235 May 11 j 08:01	27° $\mathring{\text{X}}$ 06'00	1.39369 AU	max. Earth dist.	-12234 Apr 23 j 08:41	8° $\mathring{\text{X}}$ 51'31	1.37531 AU
	-12235 May 12 j 23:48	0° $\mathring{\text{H}}$		evening rise	-12234 Apr 27 j 08:59	16° $\mathring{\text{X}}$ 08'47	
evening rise	-12235 May 15 j 15:26	4° $\mathring{\text{H}}$ 32'57			-12234 May 05 j 12:00	0° $\mathring{\text{H}}$	
	-12235 May 31 j 17:34	0° $\mathring{\text{Y}}$		desc. node	-12234 May 25 j 03:40	28° $\mathring{\text{H}}$ 44'44	
desc. node	-12235 Jun 07 j 06:10	9° $\mathring{\text{Y}}$ 17'53			-12234 May 26 j 03:37	0° $\mathring{\text{Y}}$	
evening max el	-12235 Jun 19 j 19:54	24° $\mathring{\text{Y}}$ 40'16	23°50'25	evening max el	-12234 Jun 02 j 05:22	8° $\mathring{\text{Y}}$ 00'41	25°09'57
	-12235 Jun 26 j 15:11	0° $\mathring{\text{B}}$		retrograde	-12234 Jun 14 j 01:10	14° $\mathring{\text{Y}}$ 58'14	
retrograde	-12235 Jun 30 j 13:18	1° $\mathring{\text{B}}$ 02'10		evening set	-12234 Jun 19 j 22:21	12° $\mathring{\text{Y}}$ 23'55	
	-12235 Jul 04 j 03:30	30° $\mathring{\text{R}}$ $\mathring{\text{Y}}$		min. Earth dist.	-12234 Jun 24 j 08:12	7° $\mathring{\text{Y}}$ 20'01	0.66780 AU
evening set	-12235 Jul 05 j 20:04	28° $\mathring{\text{Y}}$ 45'22		inferior conj	-12234 Jun 25 j 05:57	6° $\mathring{\text{Y}}$ 07'55	-2°24'45
min. Earth dist.	-12235 Jul 10 j 15:33	23° $\mathring{\text{Y}}$ 03'32	0.67173 AU	minimum elong	-12234 Jun 25 j 08:13	6° $\mathring{\text{Y}}$ 00'25	2°24'05
inferior conj	-12235 Jul 11 j 01:22	22° $\mathring{\text{Y}}$ 29'53	-1°47'12	morning rise	-12234 Jun 30 j 18:05	0° $\mathring{\text{Y}}$ 05'53	
minimum elong	-12235 Jul 11 j 03:18	22° $\mathring{\text{Y}}$ 23'15	1°46'18		-12234 Jun 30 j 21:31	30° $\mathring{\text{R}}$ $\mathring{\text{H}}$	
morning rise	-12235 Jul 16 j 10:30	16° $\mathring{\text{Y}}$ 18'17		direct	-12234 Jul 04 j 08:43	28° $\mathring{\text{H}}$ 50'11	
asc. node	-12235 Jul 17 j 03:35	15° $\mathring{\text{Y}}$ 48'26		asc. node	-12234 Jul 04 j 00:21	28° $\mathring{\text{H}}$ 50'53	
direct	-12235 Jul 20 j 11:12	14° $\mathring{\text{Y}}$ 46'23			-12234 Jul 08 j 00:54	0° $\mathring{\text{Y}}$	
morning max el	-12235 Jul 28 j 22:53	19° $\mathring{\text{Y}}$ 49'40	21°05'33	morning max el	-12234 Jul 11 j 22:47	3° $\mathring{\text{Y}}$ 15'51	19°57'18
	-12235 Aug 06 j 04:55	0° $\mathring{\text{B}}$			-12234 Jul 31 j 00:50	0° $\mathring{\text{B}}$	
	-12235 Aug 26 j 09:24	0° $\mathring{\text{H}}$		morning set	-12234 Aug 06 j 18:59	10° $\mathring{\text{B}}$ 28'18	
morning set	-12235 Aug 27 j 15:48	1° $\mathring{\text{H}}$ 58'35		max. Earth dist.	-12234 Aug 18 j 22:08	29° $\mathring{\text{B}}$ 34'15	1.43994 AU
desc. node	-12235 Sep 03 j 02:59	12° $\mathring{\text{H}}$ 13'52			-12234 Aug 19 j 04:35	0° $\mathring{\text{H}}$	
max. Earth dist.	-12235 Sep 05 j 10:01	15° $\mathring{\text{H}}$ 56'36	1.42802 AU	desc. node	-12234 Aug 21 j 00:14	2° $\mathring{\text{H}}$ 54'44	
superior conj	-12235 Sep 12 j 00:50	26° $\mathring{\text{H}}$ 54'53	-0°51'43	superior conj	-12234 Aug 23 j 04:52	6° $\mathring{\text{H}}$ 26'49	-0°13'06
minimum elong	-12235 Sep 11 j 20:49	26° $\mathring{\text{H}}$ 37'55	0°50'32	minimum elong	-12234 Aug 23 j 03:30	6° $\mathring{\text{H}}$ 21'19	0°12'16
	-12235 Sep 13 j 20:26	0° $\mathring{\text{D}}$		behind sun begin	-12234 Aug 22 j 20:22	5° $\mathring{\text{H}}$ 52'26	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

behind sun end	-12234 Aug 23 j 10:39	6°II50'15			-12233 Aug 11 j 21:44	0°II	
evening rise	-12234 Sep 05 j 23:21	29°II17'56		evening rise	-12233 Aug 18 j 02:39	9°II59'59	
	-12234 Sep 06 j 09:16	0°☾			-12233 Aug 30 j 14:51	0°☾	
evening max el	-12234 Sep 24 j 03:00	27°☾09'59	18°17'26	evening max el	-12233 Sep 07 j 15:50	10°☾39'29	18°45'38
	-12234 Sep 27 j 18:40	0°♌		retrograde	-12233 Sep 14 j 10:07	14°☾26'41	
asc. node	-12234 Sep 30 j 00:37	0°♌43'00		asc. node	-12233 Sep 16 j 21:44	13°☾51'52	
retrograde	-12234 Sep 30 j 17:43	0°♌45'41		evening set	-12233 Sep 17 j 09:55	13°☾36'18	
evening set	-12234 Oct 03 j 11:02	0°♌06'47		inferior conj	-12233 Sep 23 j 08:31	7°☾53'34	1°56'38
	-12234 Oct 03 j 16:35	30°☿☾		minimum elong	-12233 Sep 23 j 05:52	8°☾01'32	1°56'25
inferior conj	-12234 Oct 09 j 18:43	24°☾39'08	2°46'42	min. Earth dist.	-12233 Sep 25 j 01:34	5°☾50'30	0.64963 AU
minimum elong	-12234 Oct 09 j 15:09	24°☾48'56	2°46'20	morning rise	-12233 Sep 29 j 01:17	1°☾42'49	
min. Earth dist.	-12234 Oct 12 j 00:32	22°☾11'34	0.63641 AU		-12233 Oct 01 j 14:20	30°☿II	
morning rise	-12234 Oct 15 j 18:25	18°☾39'06		direct	-12233 Oct 05 j 14:31	29°II00'23	
direct	-12234 Oct 22 j 16:52	15°☾56'42			-12233 Oct 09 j 22:18	0°☾	
morning max el	-12234 Nov 05 j 05:57	23°☾29'21	27°27'27	morning max el	-12233 Oct 18 j 15:59	6°☾29'04	26°51'52
	-12234 Nov 11 j 04:35	0°♌		desc. node	-12233 Nov 03 j 20:54	26°☾49'39	
desc. node	-12234 Nov 17 j 00:12	7°♌32'40			-12233 Nov 05 j 23:52	0°♌	
	-12234 Dec 01 j 06:40	0°♍		morning set	-12233 Nov 23 j 05:27	29°♌31'18	
morning set	-12234 Dec 09 j 17:31	15°♍49'55			-12233 Nov 23 j 11:27	0°♍	
max. Earth dist.	-12234 Dec 14 j 22:28	26°♍28'54	1.33675 AU	max. Earth dist.	-12233 Nov 27 j 18:07	8°♍25'23	1.34727 AU
	-12234 Dec 16 j 14:26	0°♎					
superior conj	-12234 Dec 17 j 11:10	1°♎50'24	-1°16'52	superior conj	-12233 Dec 01 j 15:00	16°♍21'49	-1°29'16
minimum elong	-12234 Dec 17 j 13:11	2°♎01'12	1°16'38	minimum elong	-12233 Dec 01 j 16:37	16°♍30'17	1°28'57
evening rise	-12234 Dec 24 j 14:44	17°♎06'13			-12233 Dec 08 j 02:49	0°♎	
asc. node	-12234 Dec 26 j 22:24	21°♎53'36		evening rise	-12233 Dec 09 j 00:37	1°♎53'23	
	-12234 Dec 31 j 02:07	0°♏		asc. node	-12233 Dec 13 j 19:46	11°♎31'32	
evening max el	-12233 Jan 16 j 07:33	23°♏03'24	22°57'34		-12233 Dec 25 j 09:36	0°♏	
retrograde	-12233 Jan 29 j 09:24	29°♏22'14		evening max el	-12233 Dec 29 j 05:42	4°♏08'08	21°26'39
evening set	-12233 Feb 01 j 21:54	28°♏55'08		retrograde	-12232 Jan 10 j 00:08	9°♏40'57	
min. Earth dist.	-12233 Feb 09 j 19:25	25°♏19'26	0.55700 AU	evening set	-12232 Jan 12 j 21:54	9°♏21'47	
inferior conj	-12233 Feb 10 j 23:42	24°♏38'04	0°32'12	inferior conj	-12232 Jan 21 j 21:32	5°♏21'28	2°14'17
minimum elong	-12233 Feb 11 j 01:02	24°♏36'06	0°31'12	minimum elong	-12232 Jan 22 j 02:41	5°♏14'05	2°12'26
desc. node	-12233 Feb 13 j 02:08	23°♏25'30		min. Earth dist.	-12232 Jan 22 j 09:35	5°♏04'13	0.55487 AU
morning rise	-12233 Feb 20 j 05:46	20°♏34'34		desc. node	-12232 Jan 30 j 22:53	1°♏14'55	
direct	-12233 Feb 22 j 11:29	20°♏22'29		morning rise	-12232 Jan 31 j 06:54	1°♏10'32	
morning max el	-12233 Mar 05 j 14:16	25°♏39'59	20°36'03	direct	-12232 Feb 03 j 02:54	0°♏52'38	
	-12233 Mar 09 j 12:19	0°♐		morning max el	-12232 Feb 15 j 17:32	6°♏59'51	22°01'01
morning set	-12233 Mar 24 j 09:09	25°♐38'47			-12232 Mar 02 j 12:33	0°♐	
asc. node	-12233 Mar 24 j 20:31	26°♐36'50		morning set	-12232 Mar 07 j 18:47	10°♐30'11	
	-12233 Mar 26 j 12:04	0°♑		asc. node	-12232 Mar 10 j 17:37	16°♐41'15	
superior conj	-12233 Apr 01 j 02:40	11°♑31'40	1°02'44	superior conj	-12232 Mar 15 j 02:48	25°♐55'43	0°40'01
minimum elong	-12233 Apr 01 j 00:05	11°♑18'33	1°01'38	minimum elong	-12232 Mar 15 j 01:06	25°♐46'49	0°39'00
max. Earth dist.	-12233 Apr 05 j 15:30	20°♑34'19	1.35917 AU		-12232 Mar 17 j 01:45	0°♑	
evening rise	-12233 Apr 09 j 23:54	28°♑51'51		max. Earth dist.	-12232 Mar 18 j 08:31	2°♑38'01	1.34625 AU
	-12233 Apr 10 j 14:36	0°♒		evening rise	-12232 Mar 23 j 06:31	12°♑24'59	
	-12233 Apr 28 j 17:12	0°♓			-12232 Apr 01 j 23:06	0°♒	
desc. node	-12233 May 12 j 01:05	17°♓32'49			-12232 Apr 22 j 18:29	0°♓	
evening max el	-12233 May 15 j 15:27	21°♓22'19	26°18'01	evening max el	-12232 Apr 27 j 02:28	4°♓38'13	27°06'05
retrograde	-12233 May 28 j 08:27	28°♓43'13		desc. node	-12232 Apr 27 j 22:27	5°♓26'17	
evening set	-12233 Jun 03 j 18:26	25°♓58'18		retrograde	-12232 May 10 j 10:28	12°♓10'18	
min. Earth dist.	-12233 Jun 07 j 20:02	21°♓33'36	0.66020 AU	evening set	-12232 May 17 j 05:42	9°♓24'47	
inferior conj	-12233 Jun 09 j 06:59	19°♓44'03	-2°55'05	min. Earth dist.	-12232 May 21 j 00:54	5°♓37'35	0.64866 AU
minimum elong	-12233 Jun 09 j 09:09	19°♓37'17	2°54'49	inferior conj	-12232 May 23 j 02:14	3°♓14'54	-3°16'13
morning rise	-12233 Jun 14 j 23:59	13°♓54'29		minimum elong	-12232 May 23 j 03:46	3°♓10'27	3°16'24
direct	-12233 Jun 18 j 06:31	12°♓52'57			-12232 May 26 j 01:51	30°♒☿	
asc. node	-12233 Jun 20 j 21:08	13°♓29'58		morning rise	-12232 May 29 j 02:14	27°☿40'32	
morning max el	-12233 Jun 25 j 04:49	16°♓48'17	19°03'13	direct	-12232 Jun 01 j 02:20	26°☿51'14	
	-12233 Jul 05 j 00:58	0°♔		asc. node	-12232 Jun 06 j 17:55	29°☿33'21	
morning set	-12233 Jul 17 j 09:42	19°♔30'29			-12232 Jun 07 j 05:22	0°♔	
	-12233 Jul 24 j 00:10	0°♕		morning max el	-12232 Jun 07 j 15:40	0°♔25'20	18°25'37
max. Earth dist.	-12233 Aug 01 j 13:50	13°♕33'51	1.44552 AU	morning set	-12232 Jun 27 j 00:00	29°♔38'24	
					-12232 Jun 27 j 05:13	0°♔	
superior conj	-12233 Aug 02 j 10:19	14°♕54'58	0°31'59	superior conj	-12232 Jul 11 j 11:36	23°♔12'48	1°12'27
minimum elong	-12233 Aug 02 j 14:09	15°♕10'06	0°32'02	minimum elong	-12232 Jul 11 j 18:13	23°♔39'13	1°12'06
desc. node	-12233 Aug 07 j 21:34	23°♕35'51		max. Earth dist.	-12232 Jul 14 j 06:35	27°♔39'27	1.44409 AU

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12232 Jul 15 j 18:01	0°♄		max. Earth dist.	-12231 Jun 26 j 20:49	11°♄30'52	1.43583 AU
desc. node	-12232 Jul 24 j 18:59	14°♄14'27		evening rise	-12231 Jul 07 j 05:55	27°♄55'10	
evening rise	-12232 Jul 28 j 02:36	19°♄26'36			-12231 Jul 08 j 14:06	0°♄	
	-12232 Aug 03 j 20:47	0°♄		desc. node	-12231 Jul 11 j 16:29	4°♄46'39	
greatest brilliancy	-12232 Aug 07 j 09:24	5°♄27'03	-0.7m		-12231 Jul 28 j 20:22	0°♄	
evening max el	-12232 Aug 21 j 01:04	24°♄10'15	19°30'20	evening max el	-12231 Aug 04 j 04:22	7°♄37'52	20°30'05
retrograde	-12232 Aug 28 j 05:55	28°♄18'00		retrograde	-12231 Aug 12 j 02:41	12°♄15'43	
evening set	-12232 Aug 31 j 14:24	27°♄12'48		evening set	-12231 Aug 15 j 22:00	10°♄52'32	
asc. node	-12232 Sep 02 j 18:47	25°♄23'20		asc. node	-12231 Aug 20 j 15:45	5°♄42'21	
inferior conj	-12232 Sep 06 j 05:42	21°♄17'49	1°04'27	inferior conj	-12231 Aug 21 j 07:52	4°♄48'21	0°12'39
minimum elong	-12232 Sep 06 j 04:13	21°♄22'34	1°04'36	minimum elong	-12231 Aug 21 j 07:34	4°♄49'21	0°13'11
min. Earth dist.	-12232 Sep 07 j 10:38	19°♄44'53	0.65982 AU	transit middle	-12231 Aug 21 j 07:34	4°♄49'21	0°13'11
morning rise	-12232 Sep 11 j 17:43	15°♄00'03		transit begin	-12231 Aug 21 j 05:56	4°♄54'49	
direct	-12232 Sep 17 j 18:04	12°♄27'04		transit end	-12231 Aug 21 j 09:12	4°♄43'52	
morning max el	-12232 Sep 30 j 02:09	19°♄41'04	25°51'50	min. Earth dist.	-12231 Aug 22 j 01:40	3°♄48'26	0.66696 AU
	-12232 Oct 08 j 23:53	0°♄			-12231 Aug 25 j 03:09	30°♄	
desc. node	-12232 Oct 20 j 17:41	16°♄37'04		morning rise	-12231 Aug 26 j 16:57	28°♄27'18	
	-12232 Oct 29 j 01:30	0°♄		direct	-12231 Sep 01 j 02:59	26°♄09'28	
morning set	-12232 Nov 05 j 03:00	12°♄25'03			-12231 Sep 09 j 07:32	0°♄	
max. Earth dist.	-12232 Nov 09 j 03:13	19°♄55'43	1.36203 AU	morning max el	-12231 Sep 12 j 12:02	2°♄56'51	24°35'40
					-12231 Oct 03 j 04:54	0°♄	
superior conj	-12232 Nov 14 j 11:35	0°♄26'47	-1°36'29	desc. node	-12231 Oct 07 j 14:32	6°♄45'46	
minimum elong	-12232 Nov 14 j 12:16	0°♄30'15	1°36'04	morning set	-12231 Oct 18 j 05:02	24°♄17'27	
	-12232 Nov 14 j 06:15	0°♄			-12231 Oct 21 j 10:27	0°♄	
evening rise	-12232 Nov 22 j 07:26	16°♄26'20		max. Earth dist.	-12231 Oct 22 j 04:19	1°♄20'40	1.38019 AU
	-12232 Nov 29 j 07:17	0°♄					
asc. node	-12232 Nov 29 j 17:09	0°♄43'57		superior conj	-12231 Oct 28 j 21:31	13°♄55'10	-1°36'50
evening max el	-12232 Dec 10 j 12:36	15°♄41'41	20°08'28	minimum elong	-12231 Oct 28 j 20:42	13°♄51'15	1°36'17
retrograde	-12232 Dec 20 j 17:27	20°♄29'15		evening rise	-12231 Nov 06 j 09:05	0°♄38'54	
evening set	-12232 Dec 23 j 08:31	20°♄11'35			-12231 Nov 06 j 01:14	0°♄	
inferior conj	-12232 Dec 31 j 22:41	16°♄09'49	3°32'36	asc. node	-12231 Nov 16 j 14:30	19°♄22'05	
minimum elong	-12231 Jan 01 j 03:59	16°♄01'43	3°31'25	evening max el	-12231 Nov 23 j 05:46	27°♄49'30	19°08'39
min. Earth dist.	-12231 Jan 02 j 22:37	14°♄56'47	0.56122 AU		-12231 Nov 25 j 22:05	0°♄	
morning rise	-12231 Jan 09 j 21:41	11°♄38'59		retrograde	-12231 Dec 02 j 00:20	2°♄00'58	
direct	-12231 Jan 13 j 21:24	11°♄03'49		evening set	-12231 Dec 04 j 12:26	1°♄41'57	
desc. node	-12231 Jan 16 j 19:35	11°♄23'19			-12231 Dec 08 j 14:28	30°♄	
morning max el	-12231 Jan 27 j 11:30	17°♄48'38	23°36'46	inferior conj	-12231 Dec 12 j 14:21	27°♄25'54	4°11'51
	-12231 Feb 06 j 08:03	0°♄		minimum elong	-12231 Dec 12 j 16:22	27°♄22'23	4°11'46
morning set	-12231 Feb 20 j 06:45	25°♄31'58		min. Earth dist.	-12231 Dec 15 j 12:28	25°♄25'07	0.57440 AU
	-12231 Feb 22 j 09:28	0°♄		morning rise	-12231 Dec 20 j 18:15	22°♄30'40	
asc. node	-12231 Feb 25 j 14:45	6°♄54'31		direct	-12231 Dec 26 j 02:14	21°♄24'21	
				desc. node	-12230 Jan 03 j 16:14	24°♄12'08	
superior conj	-12231 Feb 27 j 08:49	10°♄40'17	0°16'29	morning max el	-12230 Jan 09 j 02:16	28°♄31'26	25°11'11
minimum elong	-12231 Feb 27 j 08:08	10°♄36'39	0°15'40		-12230 Jan 10 j 13:51	0°♄	
behind sun begin	-12231 Feb 27 j 07:34	10°♄33'34			-12230 Jan 30 j 13:01	0°♄	
behind sun end	-12231 Feb 27 j 08:43	10°♄39'43		morning set	-12230 Feb 04 j 19:16	10°♄37'43	
max. Earth dist.	-12231 Mar 01 j 11:12	15°♄08'31	1.33682 AU				
evening rise	-12231 Mar 07 j 00:20	26°♄33'57		superior conj	-12230 Feb 11 j 18:35	25°♄38'23	-0°06'52
	-12231 Mar 08 j 18:07	0°♄		minimum elong	-12230 Feb 11 j 18:53	25°♄40'03	0°07'24
	-12231 Mar 26 j 07:56	0°♄		behind sun begin	-12230 Feb 11 j 14:24	25°♄15'39	
evening max el	-12231 Apr 09 j 12:39	17°♄35'58	27°26'56	behind sun end	-12230 Feb 11 j 23:23	26°♄04'27	
desc. node	-12231 Apr 14 j 19:46	22°♄02'24		asc. node	-12230 Feb 12 j 11:57	27°♄12'38	
retrograde	-12231 Apr 23 j 06:29	25°♄10'46		max. Earth dist.	-12230 Feb 12 j 20:49	28°♄00'38	1.33076 AU
evening set	-12231 Apr 30 j 05:02	22°♄37'03			-12230 Feb 13 j 18:56	0°♄	
min. Earth dist.	-12231 May 03 j 21:06	19°♄21'09	0.63330 AU	evening rise	-12230 Feb 19 j 01:57	11°♄08'08	
inferior conj	-12231 May 06 j 12:55	16°♄34'37	-3°25'17		-12230 Mar 01 j 00:48	0°♄	
minimum elong	-12231 May 06 j 13:14	16°♄33'47	3°25'47		-12230 Mar 22 j 17:45	0°♄	
morning rise	-12231 May 12 j 22:25	11°♄17'51		evening max el	-12230 Mar 22 j 19:46	0°♄04'52	27°16'00
direct	-12231 May 15 j 17:17	10°♄39'13		desc. node	-12230 Apr 01 j 16:57	6°♄51'46	
morning max el	-12231 May 22 j 05:10	14°♄02'26	18°05'39	retrograde	-12230 Apr 05 j 19:53	7°♄36'51	
asc. node	-12231 May 24 j 14:41	16°♄44'20		evening set	-12230 Apr 12 j 13:11	5°♄27'39	
	-12231 Jun 02 j 07:07	0°♄		min. Earth dist.	-12230 Apr 16 j 08:15	2°♄31'34	0.61485 AU
morning set	-12231 Jun 08 j 15:09	10°♄55'30		inferior conj	-12230 Apr 19 j 11:52	29°♄37'10	-3°18'04
	-12231 Jun 19 j 19:52	0°♄		minimum elong	-12230 Apr 19 j 10:29	29°♄40'23	3°18'36
					-12230 Apr 19 j 02:04	30°♄	
superior conj	-12231 Jun 21 j 05:48	2°♄20'32	1°38'47	morning rise	-12230 Apr 26 j 09:39	24°♄39'37	
minimum elong	-12231 Jun 21 j 10:18	2°♄39'09	1°38'33	direct	-12230 Apr 28 j 23:54	24°♄10'19	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning max el	-12230 May 05 j 18:53	27° Z 34'18	18°04'00			-12229 May 01 j 22:23	0° Z	
	-12230 May 07 j 23:51	0° Z		morning set		-12229 May 05 j 08:19	6° Z 23'54	
asc. node	-12230 May 11 j 11:29	4° Z 48'44						
morning set	-12230 May 22 j 03:30	23° Z 14'22		superior conj		-12229 May 15 j 00:39	24° Z 29'46	1°45'37
	-12230 May 25 j 21:06	0° Z		minimum elong		-12229 May 14 j 22:44	24° Z 21'03	1°45'06
						-12229 May 18 j 02:04	0° Z	
superior conj	-12230 Jun 02 j 02:38	12° Z 47'17	1°48'51	max. Earth dist.		-12229 May 22 j 08:24	7° Z 26'52	1.40445 AU
minimum elong	-12230 Jun 02 j 03:22	12° Z 50'27	1°48'36	evening rise		-12229 May 27 j 07:55	15° Z 49'42	
max. Earth dist.	-12230 Jun 09 j 05:35	24° Z 50'04	1.42196 AU			-12229 Jun 05 j 05:06	0° Z	
	-12230 Jun 12 j 09:20	0° Z		desc. node		-12229 Jun 15 j 11:30	15° Z 14'30	
evening rise	-12230 Jun 16 j 08:46	6° Z 22'30				-12229 Jun 26 j 15:51	0° Z	
desc. node	-12230 Jun 28 j 14:00	25° Z 08'22		evening max el		-12229 Jun 30 j 14:38	4° Z 21'02	23°03'01
	-12230 Jul 01 j 21:16	0° Z		retrograde		-12229 Jul 10 j 16:07	10° Z 19'35	
evening max el	-12230 Jul 18 j 00:37	21° Z 00'56	21°42'25	evening set		-12229 Jul 15 j 14:17	8° Z 14'52	
retrograde	-12230 Jul 26 j 22:36	26° Z 17'11		inferior conj		-12229 Jul 20 j 19:21	2° Z 00'37	-1°22'54
evening set	-12230 Jul 31 j 06:36	24° Z 33'42		minimum elong		-12229 Jul 20 j 20:56	1° Z 55'08	1°21'58
inferior conj	-12230 Aug 05 j 13:01	18° Z 23'09	-0°36'57	min. Earth dist.		-12229 Jul 20 j 16:01	2° Z 12'10	0.67237 AU
minimum elong	-12230 Aug 05 j 13:46	18° Z 20'32	0°36'07			-12229 Jul 22 j 06:43	30° Z	
min. Earth dist.	-12230 Aug 05 j 20:16	17° Z 58'08	0.67115 AU	asc. node		-12229 Jul 25 j 09:27	26° Z 23'47	
asc. node	-12230 Aug 07 j 12:38	15° Z 42'04		morning rise		-12229 Jul 26 j 03:31	25° Z 44'37	
morning rise	-12230 Aug 10 j 20:50	12° Z 02'44		direct		-12229 Jul 30 j 10:49	24° Z 02'28	
direct	-12230 Aug 15 j 16:53	10° Z 02'32		morning max el		-12229 Aug 08 j 13:10	29° Z 30'11	21°49'49
morning max el	-12230 Aug 25 j 22:53	16° Z 12'52	23°12'14			-12229 Aug 09 j 00:36	0° Z	
	-12230 Sep 06 j 05:01	0° Z				-12229 Aug 30 j 23:51	0° Z	
desc. node	-12230 Sep 24 j 11:29	27° Z 09'19		morning set		-12229 Sep 09 j 05:58	14° Z 20'44	
	-12230 Sep 26 j 06:01	0° Z		desc. node		-12229 Sep 11 j 08:34	17° Z 42'50	
morning set	-12230 Sep 29 j 06:31	4° Z 56'23		max. Earth dist.		-12229 Sep 16 j 06:00	25° Z 41'44	1.41872 AU
max. Earth dist.	-12230 Oct 04 j 03:13	13° Z 08'57	1.39996 AU			-12229 Sep 18 j 19:52	0° Z	
superior conj	-12230 Oct 11 j 16:20	26° Z 34'35	-1°28'19	superior conj		-12229 Sep 23 j 14:33	8° Z 10'49	-1°08'42
minimum elong	-12230 Oct 11 j 13:40	26° Z 22'25	1°27'29	minimum elong		-12229 Sep 23 j 10:30	7° Z 53'15	1°07'34
	-12230 Oct 13 j 12:47	0° Z		evening rise		-12229 Oct 04 j 09:44	27° Z 34'16	
evening rise	-12230 Oct 21 j 02:58	14° Z 02'14				-12229 Oct 05 j 17:35	0° Z	
	-12230 Oct 29 j 15:20	0° Z		evening max el		-12229 Oct 20 j 17:25	23° Z 03'37	18°09'25
asc. node	-12230 Nov 03 j 11:49	7° Z 14'36		asc. node		-12229 Oct 21 j 09:05	24° Z 07'57	
evening max el	-12230 Nov 06 j 08:12	10° Z 28'07	18°28'58	retrograde		-12229 Oct 27 j 17:03	27° Z 05'18	
retrograde	-12230 Nov 14 j 00:36	14° Z 15'19		evening set		-12229 Oct 30 j 05:06	26° Z 03'17	
evening set	-12230 Nov 16 j 11:47	13° Z 53'10		inferior conj		-12229 Nov 06 j 06:01	21° Z 40'34	3°51'51
inferior conj	-12230 Nov 24 j 01:00	9° Z 16'59	4°14'44	minimum elong		-12229 Nov 06 j 02:35	21° Z 48'27	3°51'46
minimum elong	-12230 Nov 23 j 23:31	9° Z 19'59	4°14'56	min. Earth dist.		-12229 Nov 09 j 06:01	18° Z 56'36	0.61028 AU
min. Earth dist.	-12230 Nov 27 j 05:53	6° Z 44'24	0.59174 AU	morning rise		-12229 Nov 12 j 22:44	16° Z 04'46	
morning rise	-12230 Dec 01 j 09:27	3° Z 59'50		direct		-12229 Nov 19 j 21:50	13° Z 48'03	
direct	-12230 Dec 07 j 19:01	2° Z 15'33		morning max el		-12229 Dec 03 j 19:56	21° Z 13'20	27°18'43
desc. node	-12230 Dec 21 j 12:49	9° Z 17'04		desc. node		-12229 Dec 08 j 09:25	26° Z 04'54	
morning max el	-12230 Dec 21 j 20:02	9° Z 34'13	26°29'15			-12229 Dec 11 j 14:09	0° Z	
	-12229 Jan 06 j 12:08	0° Z				-12229 Dec 30 j 07:36	0° Z	
morning set	-12229 Jan 20 j 06:28	25° Z 39'28		morning set		-12228 Jan 04 j 14:27	10° Z 30'01	
	-12229 Jan 22 j 07:46	0° Z		max. Earth dist.		-12228 Jan 10 j 22:36	24° Z 00'12	1.32857 AU
superior conj	-12229 Jan 27 j 06:10	10° Z 42'12	-0°29'11	superior conj		-12228 Jan 11 j 17:55	25° Z 45'24	-0°49'46
minimum elong	-12229 Jan 27 j 07:19	10° Z 48'27	0°29'26	minimum elong		-12228 Jan 11 j 19:40	25° Z 54'57	0°49'47
max. Earth dist.	-12229 Jan 27 j 09:48	11° Z 02'00	1.32798 AU			-12228 Jan 13 j 16:37	0° Z	
asc. node	-12229 Jan 30 j 09:13	17° Z 30'36		asc. node		-12228 Jan 17 j 06:32	7° Z 43'58	
evening rise	-12229 Feb 03 j 08:42	25° Z 57'29		evening rise		-12228 Jan 18 j 18:35	10° Z 54'33	
	-12229 Feb 05 j 08:03	0° Z				-12228 Jan 28 j 16:15	0° Z	
	-12229 Feb 22 j 20:03	0° Z		evening max el		-12228 Feb 14 j 18:45	23° Z 14'44	25°21'11
evening max el	-12229 Mar 04 j 21:55	11° Z 57'18	26°32'38			-12228 Feb 25 j 18:07	0° Z	
retrograde	-12229 Mar 19 j 01:04	19° Z 20'59		retrograde		-12228 Feb 28 j 19:37	0° Z 22'06	
desc. node	-12229 Mar 19 j 14:01	19° Z 20'14				-12228 Mar 02 j 20:53	30° Z	
evening set	-12229 Mar 25 j 03:16	17° Z 45'23		evening set		-12228 Mar 04 j 22:39	29° Z 20'29	
min. Earth dist.	-12229 Mar 29 j 11:23	14° Z 54'34	0.59499 AU	desc. node		-12228 Mar 05 j 10:59	29° Z 07'50	
inferior conj	-12229 Apr 01 j 19:28	12° Z 13'48	-2°48'58	min. Earth dist.		-12228 Mar 10 j 08:22	26° Z 21'35	0.57638 AU
minimum elong	-12229 Apr 01 j 16:26	12° Z 19'56	2°49'09	inferior conj		-12228 Mar 13 j 08:27	24° Z 16'22	-1°52'10
morning rise	-12229 Apr 09 j 08:24	7° Z 35'59		minimum elong		-12228 Mar 13 j 05:04	24° Z 22'18	1°52'01
direct	-12229 Apr 11 j 18:08	7° Z 14'36		morning rise		-12228 Mar 21 j 14:42	19° Z 56'59	
morning max el	-12229 Apr 19 j 05:55	10° Z 52'27	18°21'18	direct		-12228 Mar 23 j 20:19	19° Z 41'34	
asc. node	-12229 Apr 28 j 08:18	23° Z 33'59		morning max el		-12228 Apr 01 j 11:17	23° Z 47'38	18°58'09

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12228 Apr 06 j 15:05	0°♂					-12227 Mar 30 j 19:44	0°♂			
asc. node	-12228 Apr 14 j 05:12	12°♂50'29				asc. node	-12227 Apr 01 j 02:12	2°♂30'46			
morning set	-12228 Apr 18 j 01:17	20°♂13'43				morning set	-12227 Apr 02 j 02:55	4°♂34'34			
	-12228 Apr 23 j 00:47	0°♂									
						superior conj	-12227 Apr 10 j 03:42	20°♂47'57	1°14'53		
superior conj	-12228 Apr 26 j 18:42	7°♂14'32	1°33'09			minimum elong	-12227 Apr 10 j 00:46	20°♂33'23	1°13'50		
minimum elong	-12228 Apr 26 j 15:43	7°♂00'17	1°32'18				-12227 Apr 14 j 20:53	0°♂			
max. Earth dist.	-12228 May 03 j 08:36	19°♂27'09	1.38575 AU			max. Earth dist.	-12227 Apr 15 j 11:45	1°♂10'41	1.36812 AU		
evening rise	-12228 May 07 j 10:40	26°♂39'59				evening rise	-12227 Apr 19 j 14:05	8°♂46'44			
	-12228 May 09 j 09:20	0°♂					-12227 May 02 j 02:59	0°♂			
	-12228 May 28 j 17:53	0°♂				desc. node	-12227 May 19 j 06:28	24°♂10'07			
desc. node	-12228 Jun 01 j 09:00	4°♂58'03					-12227 May 24 j 09:56	0°♂			
evening max el	-12228 Jun 12 j 01:03	17°♂41'07	24°25'15			evening max el	-12227 May 25 j 10:43	1°♂03'02	25°40'50		
retrograde	-12228 Jun 23 j 06:07	24°♂18'55				retrograde	-12227 Jun 06 j 15:56	8°♂11'19			
evening set	-12228 Jun 28 j 19:05	21°♂54'20				evening set	-12227 Jun 12 j 19:01	5°♂31'24			
min. Earth dist.	-12228 Jul 03 j 10:24	16°♂28'15	0.67047 AU			min. Earth dist.	-12227 Jun 17 j 01:11	0°♂44'24	0.66509 AU		
inferior conj	-12228 Jul 04 j 01:04	15°♂38'35	-2°03'55				-12227 Jun 17 j 14:54	30°♂			
minimum elong	-12228 Jul 04 j 03:12	15°♂31'24	2°03'06			inferior conj	-12227 Jun 18 j 04:24	29°♂16'09	-2°38'36		
morning rise	-12228 Jul 09 j 11:15	9°♂30'35				minimum elong	-12227 Jun 18 j 06:40	29°♂08'45	2°38'06		
asc. node	-12228 Jul 11 j 06:14	8°♂29'32				morning rise	-12227 Jun 23 j 18:22	23°♂19'15			
direct	-12228 Jul 13 j 07:32	8°♂05'35				direct	-12227 Jun 27 j 05:25	22°♂09'45			
morning max el	-12228 Jul 21 j 09:11	12°♂51'53	20°34'58			asc. node	-12227 Jun 28 j 03:00	22°♂14'16			
	-12228 Aug 03 j 09:24	0°♂				morning max el	-12227 Jul 04 j 11:50	26°♂20'59	19°32'27		
morning set	-12228 Aug 18 j 11:19	22°♂55'06					-12227 Jul 07 j 15:49	0°♂			
	-12228 Aug 22 j 23:47	0°♂					-12227 Jul 27 j 17:33	0°♂			
desc. node	-12228 Aug 28 j 05:44	8°♂21'40				morning set	-12227 Jul 28 j 17:16	1°♂32'59			
max. Earth dist.	-12228 Aug 28 j 15:22	9°♂00'28	1.43381 AU			max. Earth dist.	-12227 Aug 11 j 05:55	22°♂51'34	1.44321 AU		
superior conj	-12228 Sep 03 j 10:35	18°♂28'52	-0°36'38			superior conj	-12227 Aug 14 j 03:31	27°♂28'48	0°05'51		
minimum elong	-12228 Sep 03 j 07:14	18°♂15'04	0°35'31			minimum elong	-12227 Aug 14 j 04:16	27°♂31'47	0°06'21		
	-12228 Sep 10 j 06:46	0°♂				behind sun begin	-12227 Aug 13 j 17:57	26°♂50'33			
evening rise	-12228 Sep 16 j 00:49	9°♂57'21				behind sun end	-12227 Aug 14 j 14:35	28°♂13'03			
	-12228 Sep 27 j 22:53	0°♂				desc. node	-12227 Aug 15 j 03:01	29°♂02'46			
evening max el	-12228 Oct 03 j 06:22	6°♂48'13	18°09'11				-12227 Aug 15 j 17:17	0°♂			
asc. node	-12228 Oct 07 j 06:18	9°♂45'30				evening rise	-12227 Aug 28 j 18:50	21°♂20'39			
retrograde	-12228 Oct 09 j 21:59	10°♂20'49					-12227 Sep 02 j 23:50	0°♂			
evening set	-12228 Oct 12 j 12:50	9°♂46'51				evening max el	-12227 Sep 16 j 20:01	20°♂14'32	18°27'17		
inferior conj	-12228 Oct 19 j 02:24	4°♂29'07	3°13'13			retrograde	-12227 Sep 23 j 11:21	23°♂54'10			
minimum elong	-12228 Oct 18 j 22:34	4°♂39'00	3°12'51			asc. node	-12227 Sep 24 j 03:27	23°♂51'41			
min. Earth dist.	-12228 Oct 21 j 15:22	1°♂51'59	0.62760 AU			evening set	-12227 Sep 26 j 07:11	23°♂10'40			
	-12228 Oct 23 j 14:38	30°♂				inferior conj	-12227 Oct 02 j 10:45	17°♂35'53	2°25'54		
morning rise	-12228 Oct 25 j 07:22	28°♂37'12				minimum elong	-12227 Oct 02 j 07:32	17°♂45'08	2°25'34		
direct	-12228 Nov 01 j 08:32	26°♂00'34				min. Earth dist.	-12227 Oct 04 j 10:57	15°♂18'09	0.64241 AU		
	-12228 Nov 11 j 00:26	0°♂				morning rise	-12227 Oct 08 j 07:13	11°♂30'49			
morning max el	-12228 Nov 15 j 01:41	3°♂30'46	27°34'05			direct	-12227 Oct 15 j 02:13	8°♂47'24			
desc. node	-12228 Nov 24 j 06:02	14°♂06'24				morning max el	-12227 Oct 28 j 11:06	16°♂19'05	27°15'50		
	-12228 Dec 05 j 00:08	0°♂					-12227 Nov 08 j 23:04	0°♂			
morning set	-12228 Dec 18 j 16:59	25°♂01'26				desc. node	-12227 Nov 11 j 02:43	3°♂00'20			
	-12228 Dec 21 j 03:17	0°♂					-12227 Nov 27 j 16:25	0°♂			
max. Earth dist.	-12228 Dec 24 j 07:40	6°♂42'45	1.33270 AU			morning set	-12227 Dec 02 j 11:17	9°♂04'25			
						max. Earth dist.	-12227 Dec 07 j 09:17	18°♂58'35	1.34074 AU		
superior conj	-12228 Dec 26 j 04:09	10°♂41'35	-1°07'54			superior conj	-12227 Dec 10 j 10:57	25°♂24'05	-1°22'41		
minimum elong	-12228 Dec 26 j 06:11	10°♂52'35	1°07'43			minimum elong	-12227 Dec 10 j 12:52	25°♂34'13	1°22'25		
evening rise	-12227 Jan 02 j 05:47	25°♂52'40					-12227 Dec 12 j 14:53	0°♂			
asc. node	-12227 Jan 03 j 03:54	27°♂48'08					-12227 Dec 17 j 16:40	10°♂45'36			
	-12227 Jan 04 j 05:30	0°♂				evening rise	-12227 Dec 17 j 16:40	10°♂45'36			
	-12227 Jan 22 j 13:49	0°♂				asc. node	-12227 Dec 21 j 01:18	17°♂37'33			
evening max el	-12227 Jan 26 j 12:12	4°♂09'34	23°51'47				-12227 Dec 27 j 19:00	0°♂			
retrograde	-12227 Feb 09 j 01:40	10°♂49'41				evening max el	-12226 Jan 08 j 06:53	15°♂03'29	22°17'45		
evening set	-12227 Feb 13 j 03:13	10°♂13'12				retrograde	-12226 Jan 20 j 20:37	21°♂03'57			
min. Earth dist.	-12227 Feb 20 j 01:19	6°♂54'49	0.56212 AU			evening set	-12226 Jan 24 j 01:49	20°♂41'09			
desc. node	-12227 Feb 20 j 07:51	6°♂44'57				min. Earth dist.	-12226 Feb 01 j 16:09	16°♂49'40	0.55501 AU		
inferior conj	-12227 Feb 22 j 01:48	5°♂40'36	-0°26'29			inferior conj	-12226 Feb 02 j 03:47	16°♂32'59	1°16'47		
minimum elong	-12227 Feb 22 j 00:43	5°♂42'15	0°26'48			minimum elong	-12226 Feb 02 j 07:00	16°♂28'23	1°15'16		
morning rise	-12227 Mar 03 j 00:46	1°♂34'41				desc. node	-12226 Feb 07 j 04:39	13°♂53'04			
direct	-12227 Mar 05 j 04:39	1°♂22'30				morning rise	-12226 Feb 11 j 12:58	12°♂28'40			
morning max el	-12227 Mar 15 j 08:04	6°♂10'35	19°54'52			direct	-12226 Feb 13 j 22:52	12°♂15'16			

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning max el	-12226 Feb 25 j 17:59	17° \mathbb{M} 54'02	21°10'28	direct	-12225 Jan 25 j 14:10	22° \mathbb{A} 34'11	
	-12226 Mar 07 j 02:58	0° \mathbb{X}		morning max el	-12225 Feb 07 j 17:02	28° \mathbb{A} 59'54	22°40'59
morning set	-12226 Mar 17 j 10:18	19° \mathbb{X} 17'00			-12225 Feb 08 j 17:24	0° \mathbb{M}	
asc. node	-12226 Mar 18 j 23:15	22° \mathbb{X} 27'53			-12225 Feb 27 j 19:51	0° \mathbb{X}	
	-12226 Mar 22 j 14:02	0° \mathbb{B}		morning set	-12225 Mar 01 j 21:10	4° \mathbb{X} 13'46	
				asc. node	-12225 Mar 05 j 20:23	12° \mathbb{X} 36'49	
superior conj	-12226 Mar 24 j 23:17	4° \mathbb{B} 56'40	0°53'17	superior conj	-12225 Mar 09 j 02:16	19° \mathbb{X} 30'52	0°30'05
minimum elong	-12226 Mar 24 j 21:03	4° \mathbb{B} 45'08	0°52'11	minimum elong	-12225 Mar 09 j 00:59	19° \mathbb{X} 24'08	0°29'08
max. Earth dist.	-12226 Mar 28 j 22:42	13° \mathbb{B} 00'25	1.35320 AU	max. Earth dist.	-12225 Mar 11 j 19:46	25° \mathbb{X} 14'21	1.34180 AU
evening rise	-12226 Apr 02 j 12:18	21° \mathbb{B} 52'46			-12225 Mar 14 j 03:26	0° \mathbb{B}	
	-12226 Apr 06 j 22:06	0° \mathbb{A}		evening rise	-12225 Mar 17 j 00:11	5° \mathbb{B} 42'55	
	-12226 Apr 25 j 21:04	0° \mathbb{H}			-12225 Mar 30 j 14:23	0° \mathbb{A}	
desc. node	-12226 May 06 j 03:53	12° \mathbb{H} 37'09		evening max el	-12225 Apr 20 j 07:50	27° \mathbb{A} 31'32	27°18'32
evening max el	-12226 May 07 j 21:04	14° \mathbb{H} 22'30	26°41'16	desc. node	-12225 Apr 23 j 01:13	0° \mathbb{H} 00'42	
retrograde	-12226 May 20 j 21:04	21° \mathbb{H} 49'49			-12225 Apr 23 j 00:53	0° \mathbb{H}	
evening set	-12226 May 27 j 11:41	19° \mathbb{H} 02'51		retrograde	-12225 May 03 j 20:52	5° \mathbb{H} 06'28	
min. Earth dist.	-12226 May 31 j 10:09	14° \mathbb{H} 54'52	0.65581 AU	evening set	-12225 May 10 j 18:17	2° \mathbb{H} 24'12	
inferior conj	-12226 Jun 02 j 03:14	12° \mathbb{H} 50'08	-3°05'20		-12225 May 13 j 09:29	30° \mathbb{R} \mathbb{A}	
minimum elong	-12226 Jun 02 j 05:12	12° \mathbb{H} 44'09	3°05'16	min. Earth dist.	-12225 May 14 j 11:32	28° \mathbb{A} 51'21	0.64256 AU
morning rise	-12226 Jun 07 j 22:59	7° \mathbb{H} 07'02		inferior conj	-12225 May 16 j 19:11	26° \mathbb{A} 16'43	-3°21'48
direct	-12226 Jun 11 j 02:34	6° \mathbb{H} 11'03		minimum elong	-12225 May 16 j 20:17	26° \mathbb{A} 13'41	3°22'08
asc. node	-12226 Jun 14 j 23:46	7° \mathbb{H} 30'55		morning rise	-12225 May 22 j 22:56	20° \mathbb{A} 49'38	
morning max el	-12226 Jun 17 j 20:13	9° \mathbb{H} 56'03	18°45'10	direct	-12225 May 25 j 20:34	20° \mathbb{A} 05'14	
	-12226 Jul 01 j 21:45	0° \mathbb{Y}		morning max el	-12225 Jun 01 j 08:30	23° \mathbb{A} 33'42	18°14'51
morning set	-12226 Jul 08 j 17:13	11° \mathbb{Y} 00'43		asc. node	-12225 Jun 01 j 20:31	24° \mathbb{A} 04'41	
	-12226 Jul 20 j 13:32	0° \mathbb{B}			-12225 Jun 06 j 12:02	0° \mathbb{H}	
superior conj	-12226 Jul 24 j 04:19	5° \mathbb{B} 44'03	0°50'26	morning set	-12225 Jun 19 j 18:16	21° \mathbb{H} 37'54	
minimum elong	-12226 Jul 24 j 09:56	6° \mathbb{B} 06'16	0°50'14		-12225 Jun 24 j 17:51	0° \mathbb{Y}	
max. Earth dist.	-12226 Jul 24 j 22:23	6° \mathbb{B} 55'32	1.44575 AU	superior conj	-12225 Jul 03 j 10:43	14° \mathbb{Y} 17'10	1°25'40
desc. node	-12226 Aug 02 j 00:23	19° \mathbb{B} 43'00		minimum elong	-12225 Jul 03 j 16:55	14° \mathbb{Y} 42'12	1°25'21
	-12226 Aug 08 j 11:46	0° \mathbb{II}		max. Earth dist.	-12225 Jul 07 j 13:50	20° \mathbb{Y} 54'53	1.44131 AU
evening rise	-12226 Aug 09 j 10:30	1° \mathbb{II} 30'33			-12225 Jul 13 j 07:32	0° \mathbb{B}	
	-12226 Aug 28 j 02:28	0° \mathbb{B}		evening rise	-12225 Jul 19 j 23:53	10° \mathbb{B} 27'01	
evening max el	-12226 Aug 31 j 07:32	3° \mathbb{B} 44'32	19°02'42	desc. node	-12225 Jul 19 j 21:50	10° \mathbb{B} 19'01	
retrograde	-12226 Sep 07 j 05:39	7° \mathbb{B} 39'50		greatest brilliancy	-12225 Aug 01 j 10:48	29° \mathbb{B} 35'10	-0.7m
evening set	-12226 Sep 10 j 08:46	6° \mathbb{B} 43'39			-12225 Aug 01 j 17:25	0° \mathbb{II}	
asc. node	-12226 Sep 11 j 00:31	6° \mathbb{B} 17'55		evening max el	-12225 Aug 14 j 14:25	17° \mathbb{II} 13'58	19°54'07
inferior conj	-12226 Sep 16 j 04:02	0° \mathbb{B} 55'12	1°34'35	retrograde	-12225 Aug 22 j 02:04	21° \mathbb{II} 33'37	
minimum elong	-12226 Sep 16 j 01:52	1° \mathbb{B} 01'55	1°34'31	evening set	-12225 Aug 25 j 14:49	20° \mathbb{II} 21'20	
	-12226 Sep 16 j 21:47	30° \mathbb{R} \mathbb{II}		asc. node	-12225 Aug 28 j 21:31	17° \mathbb{II} 13'22	
min. Earth dist.	-12226 Sep 17 j 15:48	29° \mathbb{II} 04'21	0.65426 AU	inferior conj	-12225 Aug 31 j 03:34	14° \mathbb{II} 22'16	0°42'17
morning rise	-12226 Sep 21 j 18:30	24° \mathbb{II} 40'42		minimum elong	-12225 Aug 31 j 02:36	14° \mathbb{II} 25'27	0°42'37
direct	-12226 Sep 28 j 02:23	22° \mathbb{II} 01'24		min. Earth dist.	-12225 Sep 01 j 03:46	13° \mathbb{II} 02'46	0.66317 AU
morning max el	-12226 Oct 10 j 21:35	29° \mathbb{II} 26'07	26°28'56	morning rise	-12225 Sep 05 j 14:06	8° \mathbb{II} 02'26	
	-12226 Oct 11 j 11:05	0° \mathbb{B}		direct	-12225 Sep 11 j 08:28	5° \mathbb{II} 35'06	
desc. node	-12226 Oct 28 j 23:28	22° \mathbb{B} 31'34		morning max el	-12225 Sep 23 j 07:27	12° \mathbb{II} 39'56	25°20'51
	-12226 Nov 02 j 19:18	0° \mathbb{Q}			-12225 Oct 07 j 09:20	0° \mathbb{B}	
morning set	-12226 Nov 15 j 17:46	22° \mathbb{Q} 27'55		desc. node	-12225 Oct 15 j 20:15	12° \mathbb{B} 28'37	
	-12226 Nov 19 j 15:46	0° \mathbb{P}			-12225 Oct 26 j 12:21	0° \mathbb{Q}	
max. Earth dist.	-12226 Nov 20 j 00:34	0° \mathbb{P} 43'19	1.35298 AU	morning set	-12225 Oct 29 j 07:38	4° \mathbb{Q} 57'06	
				max. Earth dist.	-12225 Nov 02 j 05:13	12° \mathbb{Q} 05'39	1.36934 AU
superior conj	-12226 Nov 24 j 12:05	9° \mathbb{P} 45'35	-1°33'03	superior conj	-12225 Nov 08 j 04:35	23° \mathbb{Q} 36'06	-1°37'36
minimum elong	-12226 Nov 24 j 13:23	9° \mathbb{P} 52'16	1°32'43	minimum elong	-12225 Nov 08 j 04:41	23° \mathbb{Q} 36'40	1°37'09
evening rise	-12226 Dec 02 j 01:31	25° \mathbb{P} 27'44			-12225 Nov 11 j 09:21	0° \mathbb{P}	
	-12226 Dec 04 j 06:59	0° \mathbb{A}		evening rise	-12225 Nov 16 j 06:21	9° \mathbb{P} 52'11	
asc. node	-12226 Dec 07 j 22:42	7° \mathbb{A} 05'59		asc. node	-12225 Nov 24 j 20:04	26° \mathbb{P} 04'49	
evening max el	-12226 Dec 21 j 08:23	26° \mathbb{A} 19'33	20°51'27		-12225 Nov 27 j 06:36	0° \mathbb{A}	
	-12226 Dec 26 j 09:43	0° \mathbb{M}		evening max el	-12225 Dec 03 j 19:44	8° \mathbb{A} 07'54	19°40'43
retrograde	-12225 Jan 01 j 11:25	1° \mathbb{M} 32'59		retrograde	-12225 Dec 13 j 09:10	12° \mathbb{A} 38'16	
evening set	-12225 Jan 04 j 05:19	1° \mathbb{M} 15'08		evening set	-12225 Dec 15 j 22:39	12° \mathbb{A} 20'20	
	-12225 Jan 07 j 22:53	30° \mathbb{R} \mathbb{A}		inferior conj	-12225 Dec 24 j 07:50	8° \mathbb{A} 14'05	3°54'09
inferior conj	-12225 Jan 13 j 01:32	27° \mathbb{A} 16'07	2°51'47	minimum elong	-12225 Dec 24 j 11:59	8° \mathbb{A} 07'26	3°53'30
minimum elong	-12225 Jan 13 j 07:18	27° \mathbb{A} 07'41	2°50'02	min. Earth dist.	-12225 Dec 26 j 19:23	6° \mathbb{A} 39'01	0.56613 AU
min. Earth dist.	-12225 Jan 14 j 06:02	26° \mathbb{A} 34'32	0.55653 AU	morning rise	-12224 Jan 01 j 23:13	3° \mathbb{A} 32'41	
morning rise	-12225 Jan 22 j 08:01	22° \mathbb{A} 57'33					
desc. node	-12225 Jan 25 j 01:23	22° \mathbb{A} 34'49					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

direct	-12224 Jan 06 j 13:02	2°♌45'30		inferior conj	-12224 Dec 04 j 07:15	19°♏43'44	4°16'55
desc. node	-12224 Jan 11 j 22:03	3°♌51'46		minimum elong	-12224 Dec 04 j 07:39	19°♏43'00	4°17'04
morning max el	-12224 Jan 20 j 08:41	9°♌42'07	24°17'50	min. Earth dist.	-12224 Dec 07 j 10:02	17°♏27'14	0.58153 AU
	-12224 Feb 04 j 09:16	0°♌		morning rise	-12224 Dec 12 j 02:38	14°♏39'09	
morning set	-12224 Feb 14 j 09:34	19°♌17'34		direct	-12224 Dec 17 j 23:03	13°♏16'42	
	-12224 Feb 19 j 09:39	0°♌		desc. node	-12224 Dec 28 j 18:40	17°♏41'37	
asc. node	-12224 Feb 20 j 17:34	2°♌52'31		morning max el	-12224 Dec 31 j 23:46	20°♏28'46	25°47'14
					-12223 Jan 09 j 05:01	0°♌	
superior conj	-12224 Feb 21 j 10:06	4°♌21'47	0°06'32		-12223 Jan 26 j 19:05	0°♌	
minimum elong	-12224 Feb 21 j 09:51	4°♌20'26	0°05'49	morning set	-12223 Jan 28 j 21:43	4°♌21'47	
behind sun begin	-12224 Feb 21 j 05:04	3°♌54'34					
behind sun end	-12224 Feb 21 j 14:39	4°♌46'18		superior conj	-12223 Feb 04 j 20:49	19°♌22'21	-0°16'31
max. Earth dist.	-12224 Feb 23 j 01:43	7°♌54'31	1.33387 AU	minimum elong	-12223 Feb 04 j 21:30	19°♌26'06	0°16'55
evening rise	-12224 Feb 28 j 21:41	20°♌03'52		max. Earth dist.	-12223 Feb 05 j 13:18	20°♌52'10	1.32923 AU
	-12224 Mar 05 j 00:14	0°♌		asc. node	-12223 Feb 06 j 14:48	23°♌10'41	
	-12224 Mar 23 j 18:32	0°♌			-12223 Feb 09 j 19:09	0°♌	
evening max el	-12224 Apr 01 j 17:10	10°♌18'50	27°26'22	evening rise	-12223 Feb 12 j 01:45	4°♌45'07	
desc. node	-12224 Apr 08 j 22:27	15°♌55'24			-12223 Feb 25 j 18:11	0°♌	
retrograde	-12224 Apr 15 j 14:20	17°♌52'56		evening max el	-12223 Mar 14 j 22:33	22°♌33'04	27°01'26
evening set	-12224 Apr 22 j 11:35	15°♌28'31		desc. node	-12223 Mar 26 j 19:35	29°♌48'42	
min. Earth dist.	-12224 Apr 26 j 04:06	12°♌22'19	0.62573 AU		-12223 Mar 28 j 07:25	0°♌	
inferior conj	-12224 Apr 29 j 01:20	9°♌30'19	-3°24'34	retrograde	-12223 Mar 29 j 00:07	0°♌01'17	
minimum elong	-12224 Apr 29 j 00:58	9°♌31'13	3°25'08		-12223 Mar 29 j 16:44	30°♌	
morning rise	-12224 May 05 j 15:41	4°♌21'14		evening set	-12223 Apr 04 j 12:16	28°♌05'56	
direct	-12224 May 08 j 08:29	3°♌46'45		min. Earth dist.	-12223 Apr 08 j 11:35	25°♌13'54	0.60646 AU
morning max el	-12224 May 14 j 22:22	7°♌09'06	18°02'35	inferior conj	-12223 Apr 11 j 18:13	22°♌22'49	-3°08'47
asc. node	-12224 May 18 j 17:17	11°♌39'54		minimum elong	-12223 Apr 11 j 16:04	22°♌27'32	3°09'13
	-12224 May 29 j 21:11	0°♌		morning rise	-12223 Apr 18 j 22:04	17°♌33'27	
morning set	-12224 May 31 j 19:04	3°♌22'53		direct	-12223 Apr 21 j 10:32	17°♌07'33	
				morning max el	-12223 Apr 28 j 11:13	20°♌35'34	18°08'59
superior conj	-12224 Jun 12 j 15:52	23°♌57'11	1°44'57	asc. node	-12223 May 05 j 14:05	0°♌02'40	
minimum elong	-12224 Jun 12 j 18:46	24°♌09'19	1°44'44		-12223 May 05 j 13:26	0°♌	
	-12224 Jun 16 j 06:57	0°♌		morning set	-12223 May 14 j 15:02	16°♌04'46	
max. Earth dist.	-12224 Jun 19 j 01:50	4°♌33'57	1.43053 AU		-12223 May 22 j 05:20	0°♌	
evening rise	-12224 Jun 28 j 00:04	18°♌46'59					
	-12224 Jul 05 j 06:50	0°♌		superior conj	-12223 May 24 j 23:55	4°♌57'05	1°48'52
desc. node	-12224 Jul 05 j 19:19	0°♌47'21		minimum elong	-12223 May 24 j 23:20	4°♌54'28	1°48'31
	-12224 Jul 26 j 23:23	0°♌		max. Earth dist.	-12223 Jun 01 j 08:35	17°♌37'53	1.41486 AU
evening max el	-12224 Jul 27 j 14:53	0°♌40'20	20°59'36	evening rise	-12223 Jun 07 j 09:45	27°♌34'10	
retrograde	-12224 Aug 04 j 22:32	5°♌33'17			-12223 Jun 08 j 22:09	0°♌	
evening set	-12224 Aug 08 j 23:04	4°♌01'45		desc. node	-12223 Jun 22 j 16:51	21°♌03'00	
	-12224 Aug 12 j 17:51	30°♌			-12223 Jun 28 j 23:47	0°♌	
inferior conj	-12224 Aug 14 j 07:14	27°♌54'49	-0°08'45	evening max el	-12223 Jul 10 j 08:20	14°♌01'50	22°16'02
minimum elong	-12224 Aug 14 j 07:24	27°♌54'14	0°08'04	retrograde	-12223 Jul 19 j 17:28	19°♌35'22	
transit middle	-12224 Aug 14 j 07:24	27°♌54'14	0°08'04	evening set	-12223 Jul 24 j 07:29	17°♌42'40	
transit begin	-12224 Aug 14 j 05:02	28°♌02'18		inferior conj	-12223 Jul 29 j 13:04	11°♌30'20	-0°56'58
transit end	-12224 Aug 14 j 09:46	27°♌46'09		minimum elong	-12223 Jul 29 j 14:13	11°♌26'23	0°56'05
asc. node	-12224 Aug 14 j 18:24	27°♌16'43		min. Earth dist.	-12223 Jul 29 j 15:49	11°♌20'53	0.67210 AU
min. Earth dist.	-12224 Aug 14 j 20:34	27°♌09'22	0.66914 AU	asc. node	-12223 Aug 01 j 15:14	7°♌26'54	
morning rise	-12224 Aug 19 j 15:35	21°♌33'42		morning rise	-12223 Aug 03 j 20:52	5°♌11'38	
direct	-12224 Aug 24 j 19:43	19°♌22'57		direct	-12223 Aug 08 j 11:21	3°♌19'15	
morning max el	-12224 Sep 04 j 17:16	25°♌55'07	24°00'30	morning max el	-12223 Aug 18 j 05:15	9°♌11'01	22°36'36
	-12224 Sep 08 j 10:41	0°♌			-12223 Sep 03 j 08:30	0°♌	
	-12224 Sep 29 j 23:18	0°♌		desc. node	-12223 Sep 18 j 14:11	23°♌12'22	
desc. node	-12224 Oct 01 j 17:10	2°♌44'15		morning set	-12223 Sep 20 j 13:45	26°♌24'04	
morning set	-12224 Oct 09 j 23:39	16°♌18'41			-12223 Sep 22 j 18:33	0°♌	
max. Earth dist.	-12224 Oct 14 j 04:21	23°♌36'04	1.38860 AU	max. Earth dist.	-12223 Sep 26 j 04:53	5°♌43'45	1.40830 AU
	-12224 Oct 17 j 17:35	0°♌					
superior conj	-12224 Oct 21 j 08:40	6°♌45'12	-1°34'28	superior conj	-12223 Oct 03 j 19:24	18°♌59'09	-1°21'28
minimum elong	-12224 Oct 21 j 07:05	6°♌37'43	1°33'48	minimum elong	-12223 Oct 03 j 16:02	18°♌43'59	1°20'30
evening rise	-12224 Oct 30 j 05:00	23°♌53'32			-12223 Oct 09 j 19:43	0°♌	
	-12224 Nov 02 j 08:46	0°♌		evening rise	-12223 Oct 13 j 18:36	7°♌24'43	
asc. node	-12224 Nov 10 j 17:23	14°♌24'31			-12223 Oct 27 j 01:33	0°♌	
evening max el	-12224 Nov 15 j 17:04	20°♌29'07	18°49'15	asc. node	-12223 Oct 28 j 14:39	1°♌53'12	
retrograde	-12224 Nov 23 j 23:03	24°♌28'21		evening max el	-12223 Oct 29 j 22:39	3°♌18'08	18°18'10
evening set	-12224 Nov 26 j 10:47	24°♌08'02		retrograde	-12223 Nov 06 j 06:48	6°♌58'54	
				evening set	-12223 Nov 08 j 18:08	6°♌34'52	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

inferior conj	-12223 Nov 16 j 01:59	1° $\mathring{\text{M}}$ 49'04	4°07'34	asc. node	-12222 Oct 15 j 11:54	18° $\mathring{\text{Q}}$ 16'07	
minimum elong	-12223 Nov 15 j 23:27	1° $\mathring{\text{M}}$ 54'27	4°07'39	retrograde	-12222 Oct 20 j 05:13	20° $\mathring{\text{Q}}$ 00'31	
	-12223 Nov 18 j 05:13	30° $\mathring{\text{R}}$ $\mathring{\text{Q}}$		evening set	-12222 Oct 22 j 18:03	19° $\mathring{\text{Q}}$ 30'58	
min. Earth dist.	-12223 Nov 19 j 05:41	29° $\mathring{\text{Q}}$ 09'24	0.59964 AU	inferior conj	-12222 Oct 29 j 14:00	14° $\mathring{\text{Q}}$ 24'24	3°36'56
morning rise	-12223 Nov 23 j 03:12	26° $\mathring{\text{Q}}$ 23'36		minimum elong	-12222 Oct 29 j 10:14	14° $\mathring{\text{Q}}$ 33'30	3°36'42
direct	-12223 Nov 29 j 19:54	24° $\mathring{\text{Q}}$ 24'41		min. Earth dist.	-12222 Nov 01 j 09:44	11° $\mathring{\text{Q}}$ 41'14	0.61782 AU
	-12223 Dec 11 j 21:25	0° $\mathring{\text{M}}$		morning rise	-12222 Nov 05 j 01:12	8° $\mathring{\text{Q}}$ 41'04	
morning max el	-12223 Dec 13 j 20:06	1° $\mathring{\text{M}}$ 45'57	26°54'27	direct	-12222 Nov 12 j 02:13	6° $\mathring{\text{Q}}$ 14'11	
desc. node	-12223 Dec 15 j 15:17	3° $\mathring{\text{M}}$ 34'09		morning max el	-12222 Nov 25 j 22:56	13° $\mathring{\text{Q}}$ 42'39	27°29'38
	-12222 Jan 03 j 06:44	0° $\mathring{\text{Q}}$		desc. node	-12222 Dec 02 j 11:55	20° $\mathring{\text{Q}}$ 56'26	
morning set	-12222 Jan 13 j 07:49	19° $\mathring{\text{Q}}$ 19'53			-12222 Dec 09 j 04:52	0° $\mathring{\text{M}}$	
	-12222 Jan 18 j 07:48	0° $\mathring{\text{M}}$			-12222 Dec 26 j 13:32	0° $\mathring{\text{Q}}$	
				morning set	-12222 Dec 28 j 13:47	4° $\mathring{\text{Q}}$ 03'29	
superior conj	-12222 Jan 20 j 08:41	4° $\mathring{\text{M}}$ 26'34	-0°38'11	max. Earth dist.	-12221 Jan 03 j 14:30	16° $\mathring{\text{Q}}$ 47'37	1.32980 AU
minimum elong	-12222 Jan 20 j 10:07	4° $\mathring{\text{M}}$ 34'26	0°38'19				
max. Earth dist.	-12222 Jan 20 j 02:52	3° $\mathring{\text{M}}$ 54'48	1.32780 AU	superior conj	-12221 Jan 04 j 19:59	19° $\mathring{\text{Q}}$ 27'28	-0°57'50
asc. node	-12222 Jan 24 j 12:06	13° $\mathring{\text{M}}$ 27'14		minimum elong	-12221 Jan 04 j 21:54	19° $\mathring{\text{Q}}$ 37'52	0°57'44
evening rise	-12222 Jan 27 j 10:06	19° $\mathring{\text{M}}$ 38'38			-12221 Jan 09 j 16:40	0° $\mathring{\text{M}}$	
	-12222 Feb 01 j 13:50	0° $\mathring{\text{M}}$		asc. node	-12221 Jan 11 j 09:26	3° $\mathring{\text{M}}$ 37'08	
	-12222 Feb 20 j 23:32	0° $\mathring{\text{Q}}$		evening rise	-12221 Jan 11 j 20:43	4° $\mathring{\text{M}}$ 36'34	
evening max el	-12222 Feb 24 j 22:18	4° $\mathring{\text{Q}}$ 09'38	26°05'10		-12221 Jan 25 j 14:35	0° $\mathring{\text{M}}$	
retrograde	-12222 Mar 11 j 00:56	11° $\mathring{\text{Q}}$ 27'32		evening max el	-12221 Feb 06 j 17:01	15° $\mathring{\text{M}}$ 14'15	24°44'36
desc. node	-12222 Mar 13 j 16:35	11° $\mathring{\text{Q}}$ 09'59		retrograde	-12221 Feb 20 j 14:42	22° $\mathring{\text{M}}$ 12'34	
evening set	-12222 Mar 16 j 18:18	10° $\mathring{\text{Q}}$ 06'37		evening set	-12221 Feb 25 j 06:39	21° $\mathring{\text{M}}$ 22'56	
min. Earth dist.	-12222 Mar 21 j 11:34	7° $\mathring{\text{Q}}$ 14'13	0.58675 AU	desc. node	-12221 Feb 28 j 13:32	19° $\mathring{\text{M}}$ 54'07	
inferior conj	-12222 Mar 24 j 18:14	4° $\mathring{\text{Q}}$ 46'00	-2°28'32	min. Earth dist.	-12221 Mar 03 j 06:37	18° $\mathring{\text{M}}$ 17'01	0.56954 AU
minimum elong	-12222 Mar 24 j 14:48	4° $\mathring{\text{Q}}$ 52'32	2°28'32	inferior conj	-12221 Mar 05 j 22:43	16° $\mathring{\text{M}}$ 31'50	-1°19'05
morning rise	-12222 Apr 01 j 14:24	0° $\mathring{\text{Q}}$ 16'39		minimum elong	-12221 Mar 05 j 19:57	16° $\mathring{\text{M}}$ 36'24	1°18'59
	-12222 Apr 03 j 04:17	30° $\mathring{\text{R}}$ $\mathring{\text{M}}$		morning rise	-12221 Mar 14 j 12:29	12° $\mathring{\text{M}}$ 19'27	
direct	-12222 Apr 03 j 22:26	29° $\mathring{\text{M}}$ 58'00		direct	-12221 Mar 16 j 16:38	12° $\mathring{\text{M}}$ 05'57	
	-12222 Apr 04 j 16:25	0° $\mathring{\text{Q}}$		morning max el	-12221 Mar 25 j 22:27	16° $\mathring{\text{M}}$ 28'25	19°19'57
morning max el	-12222 Apr 11 j 20:17	3° $\mathring{\text{Q}}$ 45'35	18°34'38		-12221 Apr 04 j 17:44	0° $\mathring{\text{Q}}$	
asc. node	-12222 Apr 22 j 10:59	19° $\mathring{\text{Q}}$ 02'29		asc. node	-12221 Apr 09 j 07:57	8° $\mathring{\text{Q}}$ 29'43	
morning set	-12222 Apr 28 j 01:33	29° $\mathring{\text{Q}}$ 33'02		morning set	-12221 Apr 11 j 22:35	13° $\mathring{\text{Q}}$ 36'45	
	-12222 Apr 28 j 07:10	0° $\mathring{\text{Q}}$					
				superior conj	-12221 Apr 20 j 08:18	0° $\mathring{\text{Q}}$ 15'51	1°25'57
superior conj	-12222 May 07 j 07:16	17° $\mathring{\text{Q}}$ 08'40	1°41'14	minimum elong	-12221 Apr 20 j 05:14	0° $\mathring{\text{Q}}$ 00'56	1°25'00
minimum elong	-12222 May 07 j 04:43	16° $\mathring{\text{Q}}$ 56'52	1°40'35		-12221 Apr 20 j 05:02	0° $\mathring{\text{Q}}$	
	-12222 May 14 j 10:15	0° $\mathring{\text{M}}$		max. Earth dist.	-12221 Apr 26 j 10:10	11° $\mathring{\text{Q}}$ 46'34	1.37795 AU
max. Earth dist.	-12222 May 14 j 10:02	29° $\mathring{\text{Q}}$ 59'02	1.39651 AU	evening rise	-12221 Apr 30 j 10:29	19° $\mathring{\text{Q}}$ 00'42	
evening rise	-12222 May 18 j 20:36	7° $\mathring{\text{M}}$ 36'12			-12221 May 06 j 20:48	0° $\mathring{\text{M}}$	
	-12222 Jun 01 j 23:16	0° $\mathring{\text{Y}}$		desc. node	-12221 May 27 j 11:47	0° $\mathring{\text{Y}}$ 31'59	
desc. node	-12222 Jun 09 j 14:19	11° $\mathring{\text{Y}}$ 00'26			-12221 May 27 j 01:53	0° $\mathring{\text{Y}}$	
evening max el	-12222 Jun 22 j 20:19	27° $\mathring{\text{Y}}$ 20'54	23°38'07	evening max el	-12221 Jun 05 j 05:59	10° $\mathring{\text{Y}}$ 41'30	24°58'41
	-12222 Jun 25 j 17:06	0° $\mathring{\text{Q}}$		retrograde	-12221 Jun 16 j 22:13	17° $\mathring{\text{Y}}$ 34'26	
retrograde	-12222 Jul 03 j 09:41	3° $\mathring{\text{Q}}$ 37'08		evening set	-12221 Jun 22 j 17:16	15° $\mathring{\text{Y}}$ 02'34	
evening set	-12222 Jul 08 j 14:12	1° $\mathring{\text{Q}}$ 23'20		min. Earth dist.	-12221 Jun 27 j 04:30	9° $\mathring{\text{Y}}$ 52'45	0.66859 AU
	-12222 Jul 10 j 00:03	30° $\mathring{\text{R}}$ $\mathring{\text{Y}}$		inferior conj	-12221 Jun 28 j 00:22	8° $\mathring{\text{Y}}$ 46'30	-2°19'31
inferior conj	-12222 Jul 13 j 19:23	25° $\mathring{\text{Y}}$ 07'59	-1°40'59	minimum elong	-12221 Jun 28 j 02:36	8° $\mathring{\text{Y}}$ 39'01	2°18'49
minimum elong	-12222 Jul 13 j 21:14	25° $\mathring{\text{Y}}$ 01'37	1°40'06	morning rise	-12221 Jul 03 j 11:56	2° $\mathring{\text{Y}}$ 42'43	
min. Earth dist.	-12222 Jul 13 j 11:14	25° $\mathring{\text{Y}}$ 35'57	0.67201 AU	asc. node	-12221 Jul 06 j 08:52	1° $\mathring{\text{Y}}$ 28'16	
morning rise	-12222 Jul 19 j 04:13	18° $\mathring{\text{Y}}$ 55'08		direct	-12221 Jul 07 j 03:57	1° $\mathring{\text{Y}}$ 24'41	
asc. node	-12222 Jul 19 j 12:03	18° $\mathring{\text{Y}}$ 40'31		morning max el	-12221 Jul 14 j 20:52	5° $\mathring{\text{Y}}$ 55'36	20°06'36
direct	-12222 Jul 23 j 06:31	17° $\mathring{\text{Y}}$ 20'42			-12221 Aug 01 j 07:20	0° $\mathring{\text{Q}}$	
morning max el	-12222 Jul 31 j 21:57	22° $\mathring{\text{Y}}$ 30'21	21°16'41	morning set	-12221 Aug 10 j 06:58	13° $\mathring{\text{Q}}$ 51'35	
	-12222 Aug 07 j 04:47	0° $\mathring{\text{Q}}$			-12221 Aug 20 j 13:16	0° $\mathring{\text{M}}$	
	-12222 Aug 27 j 17:04	0° $\mathring{\text{M}}$		max. Earth dist.	-12221 Aug 21 j 21:53	2° $\mathring{\text{M}}$ 10'06	1.43855 AU
morning set	-12222 Aug 31 j 03:50	5° $\mathring{\text{M}}$ 22'16		desc. node	-12221 Aug 23 j 08:29	4° $\mathring{\text{M}}$ 28'47	
desc. node	-12222 Sep 05 j 11:17	13° $\mathring{\text{M}}$ 48'24					
max. Earth dist.	-12222 Sep 08 j 10:32	18° $\mathring{\text{M}}$ 37'13	1.42572 AU	superior conj	-12221 Aug 26 j 15:11	9° $\mathring{\text{M}}$ 46'47	-0°19'33
				minimum elong	-12221 Aug 26 j 13:11	9° $\mathring{\text{M}}$ 38'41	0°18'38
superior conj	-12222 Sep 15 j 06:59	0° $\mathring{\text{Q}}$ 02'46	-0°56'35		-12221 Sep 07 j 18:20	0° $\mathring{\text{Q}}$	
minimum elong	-12222 Sep 15 j 02:52	29° $\mathring{\text{M}}$ 45'16	0°55'24	evening rise	-12221 Sep 09 j 02:14	2° $\mathring{\text{Q}}$ 16'06	
	-12222 Sep 15 j 06:20	0° $\mathring{\text{Q}}$		evening max el	-12221 Sep 26 j 23:27	29° $\mathring{\text{Q}}$ 50'06	18°14'45
evening rise	-12222 Sep 26 j 19:20	20° $\mathring{\text{Q}}$ 16'17			-12221 Sep 27 j 03:23	0° $\mathring{\text{Q}}$	
	-12222 Oct 02 j 06:17	0° $\mathring{\text{Q}}$		asc. node	-12221 Oct 02 j 09:06	3° $\mathring{\text{Q}}$ 16'57	
evening max el	-12222 Oct 13 j 09:47	16° $\mathring{\text{Q}}$ 27'28	18°07'00	retrograde	-12221 Oct 03 j 14:08	3° $\mathring{\text{Q}}$ 24'37	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening set	-12221 Oct 06 j 06:47	2°Ω47'04				-12220 Aug 12 j 06:20	0°Π		
	-12221 Oct 10 j 02:40	30°κϜ			evening rise	-12220 Aug 20 j 09:31	13°Π09'15		
inferior conj	-12221 Oct 12 j 15:56	27°Ϝ22'02	2°53'53			-12220 Aug 30 j 19:20	0°Ϝ		
minimum elong	-12221 Oct 12 j 12:17	27°Ϝ31'56	2°53'30		evening max el	-12220 Sep 09 j 12:37	13°Ϝ18'57	18°40'19	
min. Earth dist.	-12221 Oct 14 j 23:41	24°Ϝ51'34	0.63424 AU		retrograde	-12220 Sep 16 j 05:51	17°Ϝ03'45		
morning rise	-12221 Oct 18 j 16:55	21°Ϝ24'02			asc. node	-12220 Sep 18 j 06:14	16°Ϝ40'57		
direct	-12221 Oct 25 j 16:22	18°Ϝ42'36			evening set	-12220 Sep 19 j 04:35	16°Ϝ15'12		
morning max el	-12221 Nov 08 j 06:32	26°Ϝ14'48	27°30'07		inferior conj	-12220 Sep 25 j 04:25	10°Ϝ34'24	2°04'23	
	-12221 Nov 11 j 20:23	0°Ω			minimum elong	-12220 Sep 25 j 01:37	10°Ϝ42'45	2°04'09	
desc. node	-12221 Nov 19 j 08:35	9°Ω22'49			min. Earth dist.	-12220 Sep 26 j 23:17	8°Ϝ27'26	0.64791 AU	
	-12221 Dec 02 j 15:57	0°η			morning rise	-12220 Sep 30 j 22:05	4°Ϝ25'07		
morning set	-12221 Dec 12 j 13:12	18°η24'08			direct	-12220 Oct 07 j 12:59	1°Ϝ42'08		
max. Earth dist.	-12221 Dec 17 j 20:37	29°η18'54	1.33559 AU		morning max el	-12220 Oct 20 j 16:25	9°Ϝ11'34	26°58'52	
	-12221 Dec 18 j 04:24	0°Ϡ			desc. node	-12220 Nov 05 j 05:16	28°Ϝ34'02		
						-12220 Nov 06 j 04:40	0°Ω		
superior conj	-12221 Dec 20 j 05:01	4°Ϡ18'51	-1°14'38			-12220 Nov 23 j 23:28	0°η		
minimum elong	-12221 Dec 20 j 07:04	4°Ϡ29'47	1°14'26		morning set	-12220 Nov 25 j 02:56	2°η11'16		
evening rise	-12221 Dec 27 j 07:59	19°Ϡ33'01			max. Earth dist.	-12220 Nov 29 j 17:52	11°η20'12	1.34547 AU	
asc. node	-12221 Dec 29 j 06:48	23°Ϡ35'30							
	-12220 Jan 01 j 12:16	0°η			superior conj	-12220 Dec 03 j 09:43	18°η53'17	-1°27'42	
evening max el	-12220 Jan 19 j 10:24	26°η05'52	23°11'35		minimum elong	-12220 Dec 03 j 11:26	19°η02'17	1°27'25	
	-12220 Jan 24 j 11:15	0°ϡ				-12220 Dec 08 j 16:11	0°Ϡ		
retrograde	-12220 Feb 01 j 15:42	2°ϡ30'23			evening rise	-12220 Dec 10 j 18:11	4°Ϡ21'51		
evening set	-12220 Feb 05 j 07:17	2°ϡ01'18			asc. node	-12220 Dec 15 j 04:12	13°Ϡ16'37		
	-12220 Feb 10 j 07:01	30°κη				-12220 Dec 25 j 03:41	0°η		
min. Earth dist.	-12220 Feb 12 j 22:49	28°η30'31	0.55809 AU		evening max el	-12220 Dec 31 j 07:33	7°η07'17	21°39'31	
inferior conj	-12220 Feb 14 j 08:36	27°η40'37	0°16'29		retrograde	-12219 Jan 12 j 07:07	12°η47'12		
minimum elong	-12220 Feb 14 j 09:16	27°η39'38	0°15'40		evening set	-12219 Jan 15 j 06:36	12°η27'17		
transit middle	-12220 Feb 14 j 09:16	27°η39'38	0°15'40		inferior conj	-12219 Jan 24 j 07:07	8°η25'34	1°59'52	
transit begin	-12220 Feb 14 j 08:45	27°η40'23			minimum elong	-12219 Jan 24 j 11:52	8°η18'47	1°58'01	
transit end	-12220 Feb 14 j 09:46	27°η38'52			min. Earth dist.	-12219 Jan 24 j 13:04	8°η17'04	0.55463 AU	
desc. node	-12220 Feb 15 j 10:25	27°η02'38			desc. node	-12219 Feb 01 j 07:12	4°η37'41		
morning rise	-12220 Feb 23 j 13:04	23°η36'47			morning rise	-12219 Feb 02 j 16:54	4°η16'55		
direct	-12220 Feb 25 j 18:02	23°η24'48			direct	-12219 Feb 05 j 09:53	4°η00'28		
morning max el	-12220 Mar 07 j 14:46	28°η34'41	20°24'49		morning max el	-12219 Feb 17 j 19:41	10°η00'24	21°47'31	
	-12220 Mar 09 j 00:39	0°ϡ				-12219 Mar 03 j 22:13	0°ϡ		
morning set	-12220 Mar 26 j 02:55	28°ϡ06'59			morning set	-12219 Mar 10 j 12:02	12°ϡ56'27		
asc. node	-12220 Mar 26 j 04:57	28°ϡ17'21			asc. node	-12219 Mar 13 j 02:02	18°ϡ20'02		
	-12220 Mar 27 j 01:06	0°ϣ							
					superior conj	-12219 Mar 17 j 21:13	28°ϡ25'14	0°43'34	
superior conj	-12220 Apr 02 j 22:10	14°ϣ04'51	1°06'01		minimum elong	-12219 Mar 17 j 19:22	28°ϡ15'36	0°42'30	
minimum elong	-12220 Apr 02 j 19:29	13°ϣ51'15	1°04'55			-12219 Mar 18 j 15:26	0°ϣ		
max. Earth dist.	-12220 Apr 07 j 15:54	23°ϣ28'23	1.36138 AU		max. Earth dist.	-12219 Mar 21 j 07:29	5°ϣ28'51	1.34794 AU	
	-12220 Apr 11 j 02:14	0°≈			evening rise	-12219 Mar 26 j 03:11	15°ϣ01'03		
evening rise	-12220 Apr 11 j 22:34	1°≈34'25				-12219 Apr 03 j 08:18	0°≈		
	-12220 Apr 28 j 22:18	0°ϣ				-12219 Apr 23 j 12:28	0°ϣ		
desc. node	-12220 May 13 j 09:14	19°ϣ26'41			evening max el	-12219 Apr 30 j 02:55	7°ϣ20'34	27°00'29	
evening max el	-12220 May 17 j 16:01	24°ϣ03'25	26°09'03		desc. node	-12219 Apr 30 j 06:38	7°ϣ29'41		
	-12220 May 25 j 07:23	0°ϣ			retrograde	-12219 May 13 j 08:53	14°ϣ51'29		
retrograde	-12220 May 30 j 06:10	1°ϣ21'17			evening set	-12219 May 20 j 03:09	12°ϣ05'12		
	-12220 Jun 03 j 18:12	30°κϣ			min. Earth dist.	-12219 May 23 j 23:07	8°ϣ12'50	0.65064 AU	
evening set	-12220 Jun 05 j 14:26	28°ϣ37'27			inferior conj	-12219 May 25 j 22:18	5°ϣ54'36	-3°13'48	
min. Earth dist.	-12220 Jun 09 j 17:12	24°ϣ06'57	0.66156 AU		minimum elong	-12219 May 25 j 23:58	5°ϣ49'42	3°13'54	
inferior conj	-12220 Jun 11 j 02:04	22°ϣ22'58	-2°51'06		morning rise	-12219 May 31 j 21:07	0°ϣ17'56		
minimum elong	-12220 Jun 11 j 04:16	22°ϣ15'58	2°50'45			-12219 Jun 01 j 11:26	30°κ≈		
morning rise	-12220 Jun 16 j 18:13	16°ϣ31'20			direct	-12219 Jun 03 j 22:07	29°≈26'55		
direct	-12220 Jun 20 j 01:53	15°ϣ27'43				-12219 Jun 06 j 09:36	0°ϣ		
asc. node	-12220 Jun 22 j 05:38	15°ϣ53'14			asc. node	-12219 Jun 09 j 02:22	1°ϣ44'40		
morning max el	-12220 Jun 27 j 02:02	19°ϣ26'54	19°10'18		morning max el	-12219 Jun 10 j 12:17	3°ϣ03'22	18°30'11	
	-12220 Jul 05 j 04:48	0°ϣ				-12219 Jun 28 j 13:46	0°ϣ		
morning set	-12220 Jul 19 j 18:59	22°ϣ46'14			morning set	-12219 Jun 30 j 05:28	2°ϣ43'30		
	-12220 Jul 24 j 08:32	0°ϣ							
max. Earth dist.	-12220 Aug 03 j 13:30	16°ϣ08'28	1.44517 AU		superior conj	-12219 Jul 14 j 23:32	26°ϣ36'37	1°07'06	
					minimum elong	-12219 Jul 15 j 06:04	27°ϣ02'37	1°06'46	
superior conj	-12220 Aug 04 j 23:09	18°ϣ21'48	0°25'10			-12219 Jul 17 j 02:43	0°ϣ		
minimum elong	-12220 Aug 05 j 02:12	18°ϣ33'54	0°25'20		max. Earth dist.	-12219 Jul 17 j 06:27	0°ϣ14'48	1.44476 AU	
desc. node	-12220 Aug 09 j 05:47	25°ϣ09'51			desc. node	-12219 Jul 27 j 03:10	15°ϣ48'48		

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening rise	-12219 Jul 31 j 13:30	22° $\text{8}^{\circ}46'56$		desc. node	-12218 Jul 14 j 00:38	6° $\text{8}^{\circ}21'58$	
	-12219 Aug 05 j 03:47	0° II			-12218 Jul 29 j 20:52	0° II	
evening max el	-12219 Aug 23 j 22:30	26° $\text{II}^{\circ}49'26$	19°22'36	evening max el	-12218 Aug 07 j 02:43	10° $\text{II}^{\circ}17'27$	20°20'20
	-12219 Aug 27 j 21:20	0° 6		retrograde	-12218 Aug 14 j 22:08	14° $\text{II}^{\circ}50'31$	
retrograde	-12219 Aug 31 j 01:20	0° $\text{6}^{\circ}53'38$		evening set	-12218 Aug 18 j 15:39	13° $\text{II}^{\circ}30'16$	
evening set	-12219 Sep 03 j 08:23	29° $\text{II}^{\circ}50'49$		asc. node	-12218 Aug 23 j 00:10	8° $\text{II}^{\circ}53'29$	
	-12219 Sep 03 j 02:22	30° $\text{R}^{\circ}\text{II}$		inferior conj	-12218 Aug 24 j 02:11	7° $\text{II}^{\circ}27'15$	0°20'25
asc. node	-12219 Sep 05 j 03:15	28° $\text{II}^{\circ}26'07$		minimum elong	-12218 Aug 24 j 01:43	7° $\text{II}^{\circ}28'49$	0°20'54
inferior conj	-12219 Sep 09 j 00:38	23° $\text{II}^{\circ}57'21$	1°12'21	min. Earth dist.	-12218 Aug 24 j 21:37	6° $\text{II}^{\circ}22'12$	0.66602 AU
minimum elong	-12219 Sep 08 j 22:59	24° $\text{II}^{\circ}02'38$	1°12'27	morning rise	-12218 Aug 29 j 11:35	1° $\text{II}^{\circ}06'19$	
min. Earth dist.	-12219 Sep 10 j 07:17	22° $\text{II}^{\circ}19'46$	0.65851 AU		-12218 Aug 30 j 23:03	30° $\text{R}^{\circ}\text{8}$	
morning rise	-12219 Sep 14 j 13:14	17° $\text{II}^{\circ}40'18$		direct	-12218 Sep 03 j 23:44	28° $\text{8}^{\circ}45'56$	
direct	-12219 Sep 20 j 15:33	15° $\text{II}^{\circ}05'35$			-12218 Sep 08 j 10:08	0° II	
morning max el	-12219 Oct 03 j 02:44	22° $\text{II}^{\circ}22'34$	26°02'01	morning max el	-12218 Sep 15 j 12:41	5° $\text{II}^{\circ}38'32$	24°47'45
	-12219 Oct 09 j 21:34	0° 6			-12218 Oct 04 j 10:33	0° 6	
desc. node	-12219 Oct 23 j 02:01	18° $\text{6}^{\circ}17'16$		desc. node	-12218 Oct 09 j 22:51	8° $\text{6}^{\circ}23'23$	
	-12219 Oct 30 j 10:33	0° 8		morning set	-12218 Oct 21 j 08:17	27° $\text{6}^{\circ}16'07$	
morning set	-12219 Nov 08 j 02:56	15° $\text{8}^{\circ}13'01$			-12218 Oct 22 j 21:21	0° 8	
max. Earth dist.	-12219 Nov 12 j 04:39	22° $\text{8}^{\circ}54'11$	1.35958 AU	max. Earth dist.	-12218 Oct 25 j 06:35	4° $\text{8}^{\circ}18'15$	1.37729 AU
	-12219 Nov 15 j 19:16	0° II					
				superior conj	-12218 Oct 31 j 19:21	16° $\text{8}^{\circ}37'35$	-1°37'20
superior conj	-12219 Nov 17 j 07:34	3° $\text{II}^{\circ}02'39$	-1°35'48	minimum elong	-12218 Oct 31 j 18:48	16° $\text{8}^{\circ}34'53$	1°36'49
minimum elong	-12219 Nov 17 j 08:26	3° $\text{II}^{\circ}07'02$	1°35'25		-12218 Nov 07 j 13:23	0° II	
evening rise	-12219 Nov 25 j 01:35	18° $\text{II}^{\circ}57'17$		evening rise	-12218 Nov 09 j 04:10	3° $\text{II}^{\circ}13'37$	
	-12219 Nov 30 j 16:05	0° 8		asc. node	-12218 Nov 18 j 22:56	21° $\text{II}^{\circ}17'42$	
asc. node	-12219 Dec 02 j 01:35	2° $\text{8}^{\circ}33'29$			-12218 Nov 25 j 12:46	0° 8	
evening max el	-12219 Dec 13 j 12:54	18° $\text{8}^{\circ}35'43$	20°19'01	evening max el	-12218 Nov 26 j 04:36	0° $\text{8}^{\circ}39'00$	19°16'18
retrograde	-12219 Dec 23 j 23:30	23° $\text{8}^{\circ}29'57$		retrograde	-12218 Dec 05 j 03:54	4° $\text{8}^{\circ}55'01$	
evening set	-12219 Dec 26 j 15:08	23° $\text{8}^{\circ}12'21$		evening set	-12218 Dec 07 j 16:14	4° $\text{8}^{\circ}36'24$	
inferior conj	-12218 Jan 04 j 06:58	19° $\text{8}^{\circ}11'38$	3°23'09	inferior conj	-12218 Dec 15 j 20:04	0° $\text{8}^{\circ}23'11$	4°08'25
minimum elong	-12218 Jan 04 j 12:31	19° $\text{8}^{\circ}03'15$	3°21'48	minimum elong	-12218 Dec 15 j 22:41	0° $\text{8}^{\circ}18'46$	4°08'14
min. Earth dist.	-12218 Jan 06 j 02:12	18° $\text{8}^{\circ}06'38$	0.55974 AU		-12218 Dec 16 j 09:41	30° $\text{R}^{\circ}\text{II}$	
morning rise	-12218 Jan 13 j 08:16	14° $\text{8}^{\circ}44'15$		min. Earth dist.	-12218 Dec 18 j 15:58	28° $\text{II}^{\circ}28'33$	0.57210 AU
direct	-12218 Jan 17 j 03:05	14° $\text{8}^{\circ}12'43$		morning rise	-12218 Dec 24 j 03:00	25° $\text{II}^{\circ}31'21$	
desc. node	-12218 Jan 19 j 03:55	14° $\text{8}^{\circ}22'08$		direct	-12218 Dec 29 j 06:22	24° $\text{II}^{\circ}30'18$	
morning max el	-12218 Jan 30 j 14:50	20° $\text{8}^{\circ}53'03$	23°22'17	desc. node	-12217 Jan 06 j 00:33	26° $\text{II}^{\circ}47'44$	
	-12218 Feb 07 j 07:55	0° II			-12217 Jan 10 j 11:36	0° 8	
morning set	-12218 Feb 22 j 23:47	27° $\text{II}^{\circ}57'13$		morning max el	-12217 Jan 12 j 05:43	1° $\text{8}^{\circ}35'21$	24°57'42
	-12218 Feb 23 j 23:09	0° 8			-12217 Jan 31 j 23:37	0° II	
asc. node	-12218 Feb 27 j 23:09	8° $\text{8}^{\circ}32'24$		morning set	-12217 Feb 07 j 12:19	13° $\text{II}^{\circ}02'41$	
superior conj	-12218 Mar 02 j 02:31	13° $\text{8}^{\circ}07'23$	0°20'04	superior conj	-12217 Feb 14 j 11:50	28° $\text{II}^{\circ}03'54$	-0°03'23
minimum elong	-12218 Mar 02 j 01:41	13° $\text{8}^{\circ}02'56$	0°19'12	minimum elong	-12217 Feb 14 j 12:00	28° $\text{II}^{\circ}04'49$	0°03'57
max. Earth dist.	-12218 Mar 04 j 08:46	17° $\text{8}^{\circ}55'12$	1.33798 AU	behind sun begin	-12217 Feb 14 j 07:04	27° $\text{II}^{\circ}38'04$	
evening rise	-12218 Mar 09 j 19:32	29° $\text{8}^{\circ}05'22$		behind sun end	-12217 Feb 14 j 16:56	28° $\text{II}^{\circ}31'32$	
	-12218 Mar 10 j 06:34	0° 8		asc. node	-12217 Feb 14 j 20:24	28° $\text{II}^{\circ}50'18$	
	-12218 Mar 27 j 11:39	0° 8			-12217 Feb 15 j 09:17	0° 8	
evening max el	-12218 Apr 12 j 13:13	20° $\text{8}^{\circ}21'12$	27°25'43	max. Earth dist.	-12217 Feb 15 j 17:28	0° $\text{8}^{\circ}44'08$	1.33147 AU
desc. node	-12218 Apr 17 j 03:57	24° $\text{8}^{\circ}19'01$		evening rise	-12217 Feb 21 j 20:10	13° $\text{8}^{\circ}36'23$	
retrograde	-12218 Apr 26 j 05:54	27° $\text{8}^{\circ}56'20$			-12217 Mar 02 j 09:59	0° 8	
evening set	-12218 May 03 j 04:27	25° $\text{8}^{\circ}19'48$			-12217 Mar 23 j 01:08	0° 8	
min. Earth dist.	-12218 May 06 j 20:35	21° $\text{8}^{\circ}59'58$	0.63582 AU	evening max el	-12217 Mar 25 j 20:53	2° $\text{8}^{\circ}54'39$	27°19'42
inferior conj	-12218 May 09 j 10:24	19° $\text{8}^{\circ}15'58$	-3°24'54	desc. node	-12217 Apr 04 j 01:08	9° $\text{8}^{\circ}26'19$	
minimum elong	-12218 May 09 j 10:56	19° $\text{8}^{\circ}14'32$	3°25'23	retrograde	-12217 Apr 08 j 20:26	10° $\text{8}^{\circ}27'37$	
morning rise	-12218 May 15 j 18:20	13° $\text{8}^{\circ}56'34$		evening set	-12217 Apr 15 j 15:03	8° $\text{8}^{\circ}14'05$	
direct	-12218 May 18 j 13:53	13° $\text{8}^{\circ}16'30$		min. Earth dist.	-12217 Apr 19 j 09:09	5° $\text{8}^{\circ}15'47$	0.61774 AU
morning max el	-12218 May 25 j 01:33	16° $\text{8}^{\circ}40'41$	18°07'28	inferior conj	-12217 Apr 22 j 11:18	2° $\text{8}^{\circ}21'16$	-3°20'28
asc. node	-12218 May 26 j 23:06	18° $\text{8}^{\circ}46'08$		minimum elong	-12217 Apr 22 j 10:12	2° $\text{8}^{\circ}23'54$	3°21'02
	-12218 Jun 03 j 14:14	0° 8			-12217 Apr 25 j 01:57	30° $\text{R}^{\circ}\text{8}$	
morning set	-12218 Jun 11 j 16:59	13° $\text{8}^{\circ}49'59$		morning rise	-12217 Apr 29 j 07:05	27° $\text{8}^{\circ}20'44$	
	-12218 Jun 21 j 05:26	0° Y		direct	-12217 May 01 j 21:56	26° $\text{8}^{\circ}50'12$	
					-12217 May 08 j 09:45	0° 8	
superior conj	-12218 Jun 24 j 14:12	5° $\text{Y}^{\circ}33'51$	1°35'55	morning max el	-12217 May 08 j 15:21	0° $\text{8}^{\circ}13'27$	18°03'00
minimum elong	-12218 Jun 24 j 19:14	5° $\text{Y}^{\circ}54'30$	1°35'38	asc. node	-12217 May 13 j 19:53	6° $\text{8}^{\circ}43'05$	
max. Earth dist.	-12218 Jun 29 j 21:00	14° $\text{Y}^{\circ}08'21$	1.43741 AU	morning set	-12217 May 25 j 02:26	25° $\text{8}^{\circ}59'51$	
	-12218 Jul 09 j 21:59	0° 8			-12217 May 27 j 07:45	0° 8	
evening rise	-12218 Jul 10 j 18:45	1° $\text{8}^{\circ}20'44$					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-12217 Jun 05 j 06:54	15° H 47'57	1°48'18	max. Earth dist.	-12216 May 24 j 10:11	10° H 16'00	1.40721 AU
minimum elong	-12217 Jun 05 j 08:10	15° H 53'24	1°48'04	evening rise	-12216 May 29 j 15:27	18° H 59'34	
max. Earth dist.	-12217 Jun 12 j 06:21	27° H 31'45	1.42428 AU		-12216 Jun 05 j 12:46	0° Y	
	-12217 Jun 13 j 18:34	0° Y		desc. node	-12216 Jun 16 j 19:38	16° Y 54'11	
evening rise	-12217 Jun 19 j 20:02	9° Y 43'14			-12216 Jun 26 j 11:42	0° Z	
desc. node	-12217 Jun 30 j 22:08	26° Y 45'21		evening max el	-12216 Jul 02 j 14:55	7° Z 01'38	22°50'47
	-12217 Jul 03 j 02:31	0° Z		retrograde	-12216 Jul 12 j 12:05	12° Z 53'33	
evening max el	-12217 Jul 21 j 00:00	23° Z 41'01	21°31'07	evening set	-12216 Jul 17 j 08:07	10° Z 51'59	
retrograde	-12217 Jul 29 j 18:13	28° Z 51'15		inferior conj	-12216 Jul 22 j 13:16	4° Z 38'16	-1°16'13
evening set	-12217 Aug 03 j 00:12	27° Z 10'59		minimum elong	-12216 Jul 22 j 14:45	4° Z 33'09	1°15'19
inferior conj	-12217 Aug 08 j 07:00	21° Z 01'19	-0°29'37	min. Earth dist.	-12216 Jul 22 j 11:33	4° Z 44'14	0.67239 AU
minimum elong	-12217 Aug 08 j 07:37	20° Z 59'14	0°28'50		-12216 Jul 26 j 04:00	30° R Y	
min. Earth dist.	-12217 Aug 08 j 15:51	20° Z 30'52	0.67065 AU	asc. node	-12216 Jul 26 j 17:52	29° Y 23'38	
asc. node	-12217 Aug 09 j 21:02	18° Z 51'52		morning rise	-12216 Jul 27 j 21:16	28° Y 21'27	
morning rise	-12217 Aug 13 j 14:53	14° Z 40'31		direct	-12216 Aug 01 j 06:26	26° Y 36'35	
direct	-12217 Aug 18 j 13:00	12° Z 37'29			-12216 Aug 08 j 05:48	0° Z	
morning max el	-12217 Aug 28 j 23:07	18° Z 53'58	23°24'49	morning max el	-12216 Aug 10 j 12:39	2° Z 10'24	22°01'44
	-12217 Sep 07 j 05:59	0° II			-12216 Aug 31 j 06:20	0° II	
desc. node	-12217 Sep 26 j 19:46	28° II 44'55		morning set	-12216 Sep 11 j 16:38	17° II 40'08	
	-12217 Sep 27 j 14:35	0° S		desc. node	-12216 Sep 12 j 16:49	19° II 16'57	
morning set	-12217 Oct 02 j 13:39	8° S 06'19		max. Earth dist.	-12216 Sep 18 j 07:11	28° II 26'02	1.41612 AU
max. Earth dist.	-12217 Oct 07 j 05:07	16° S 00'16	1.39699 AU		-12216 Sep 19 j 05:42	0° S	
superior conj	-12217 Oct 14 j 16:45	29° S 25'13	-1°30'19	superior conj	-12216 Sep 25 j 18:22	11° S 11'25	-1°12'28
minimum elong	-12217 Oct 14 j 14:22	29° S 14'13	1°29'31	minimum elong	-12216 Sep 25 j 14:27	10° S 54'14	1°11'23
	-12217 Oct 15 j 00:16	0° Q		evening rise	-12216 Oct 06 j 08:01	0° Q 18'42	
evening rise	-12217 Oct 23 j 23:24	17° Q 03'18			-12216 Oct 06 j 03:58	0° Q	
	-12217 Oct 30 j 21:53	0° P		evening max el	-12216 Oct 22 j 14:14	26° Q 12'41	18°11'05
asc. node	-12217 Nov 05 j 20:15	9° P 17'52		asc. node	-12216 Oct 22 j 17:30	26° Q 20'44	
evening max el	-12217 Nov 09 j 05:50	13° P 13'38	18°33'36	retrograde	-12216 Oct 29 j 15:42	29° Q 48'31	
retrograde	-12217 Nov 17 j 01:26	17° P 03'25		evening set	-12216 Nov 01 j 03:34	29° Q 22'16	
evening set	-12217 Nov 19 j 12:43	16° P 41'48		inferior conj	-12216 Nov 08 j 06:15	24° Q 27'33	3°56'33
inferior conj	-12217 Nov 27 j 03:50	12° P 08'52	4°16'13	minimum elong	-12216 Nov 08 j 02:59	24° Q 34'52	3°56'30
minimum elong	-12217 Nov 27 j 02:47	12° P 10'54	4°16'25	min. Earth dist.	-12216 Nov 11 j 07:24	21° Q 44'11	0.60758 AU
min. Earth dist.	-12217 Nov 30 j 08:39	9° P 39'44	0.58907 AU	morning rise	-12216 Nov 15 j 01:02	18° Q 54'27	
morning rise	-12217 Dec 04 j 15:01	6° P 54'54		direct	-12216 Nov 21 j 22:55	16° Q 42'01	
direct	-12217 Dec 10 j 21:37	5° P 16'03		morning max el	-12216 Dec 05 j 21:29	24° Q 06'00	27°13'29
desc. node	-12217 Dec 23 j 21:09	11° P 34'04		desc. node	-12216 Dec 09 j 17:46	28° Q 08'10	
morning max el	-12217 Dec 24 j 22:36	12° P 33'12	26°19'05		-12216 Dec 11 j 08:05	0° P	
	-12216 Jan 07 j 16:36	0° U			-12216 Dec 30 j 18:35	0° U	
morning set	-12216 Jan 22 j 23:49	28° U 05'13		morning set	-12215 Jan 06 j 08:26	12° U 57'55	
	-12216 Jan 23 j 21:39	0° M					
superior conj	-12216 Jan 29 j 23:17	13° M 07'11	-0°25'55	superior conj	-12215 Jan 13 j 11:08	28° U 10'47	-0°46'48
minimum elong	-12216 Jan 30 j 00:19	13° M 12'50	0°26'11	minimum elong	-12215 Jan 13 j 12:49	28° U 19'57	0°46'50
max. Earth dist.	-12216 Jan 30 j 06:09	13° M 44'39	1.32824 AU	max. Earth dist.	-12215 Jan 12 j 19:21	26° U 44'42	1.32830 AU
asc. node	-12216 Feb 01 j 17:40	19° M 08'28			-12215 Jan 14 j 07:09	0° M	
evening rise	-12216 Feb 06 j 02:20	28° M 24'01		asc. node	-12215 Jan 18 j 15:00	9° M 22'51	
	-12216 Feb 06 j 20:57	0° J		evening rise	-12215 Jan 20 j 11:54	13° M 20'30	
	-12216 Feb 23 j 20:35	0° Z			-12215 Jan 29 j 00:36	0° J	
evening max el	-12216 Mar 07 j 00:01	14° Z 53'14	26°41'03	evening max el	-12215 Feb 16 j 21:39	26° J 15'35	25°33'13
desc. node	-12216 Mar 20 j 22:13	22° Z 18'07			-12215 Feb 21 j 10:30	0° Z	
retrograde	-12216 Mar 21 j 02:59	22° Z 18'13		retrograde	-12215 Mar 02 j 23:05	3° Z 25'42	
evening set	-12216 Mar 27 j 07:58	20° Z 37'33		desc. node	-12215 Mar 07 j 19:13	2° Z 29'59	
min. Earth dist.	-12216 Mar 31 j 13:28	17° Z 46'45	0.59794 AU	evening set	-12215 Mar 08 j 06:01	2° Z 19'21	
inferior conj	-12216 Apr 03 j 21:28	15° Z 02'40	-2°55'05		-12215 Mar 12 j 12:44	30° R J	
minimum elong	-12216 Apr 03 j 18:38	15° Z 08'31	2°55'21	min. Earth dist.	-12215 Mar 13 j 11:08	29° J 22'33	0.57897 AU
morning rise	-12216 Apr 11 j 07:57	10° Z 21'46		inferior conj	-12215 Mar 16 j 13:24	27° J 10'56	-2°02'46
direct	-12216 Apr 13 j 18:23	9° Z 59'15		minimum elong	-12215 Mar 16 j 09:55	27° J 17'09	2°02'37
morning max el	-12216 Apr 21 j 02:59	13° Z 34'15	18°17'28	morning rise	-12215 Mar 24 j 17:00	22° J 49'01	
asc. node	-12216 Apr 29 j 16:46	25° Z 23'08		direct	-12215 Mar 26 j 23:16	22° J 32'47	
	-12216 May 02 j 07:53	0° X		morning max el	-12215 Apr 04 j 09:24	26° J 33'32	18°51'27
morning set	-12216 May 07 j 05:10	9° X 03'01			-12215 Apr 07 j 11:51	0° Z	
				asc. node	-12215 Apr 16 j 13:42	14° Z 35'44	
superior conj	-12216 May 17 j 01:31	27° X 20'07	1°46'47	morning set	-12215 Apr 20 j 20:38	22° Z 47'53	
minimum elong	-12216 May 16 j 23:53	27° X 12'47	1°46'20		-12215 Apr 24 j 13:07	0° X	
	-12216 May 18 j 13:06	0° H		superior conj	-12215 Apr 29 j 17:01	9° X 56'59	1°35'30

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-12215 Apr 29 j 14:07	9° \approx 43'11	1°34'41			-12214 Apr 16 j 09:14	0° \approx	
max. Earth dist.	-12215 May 06 j 10:49	22° \approx 22'18	1.38853 AU	max. Earth dist.		-12214 Apr 18 j 13:01	4° \approx 06'13	1.37061 AU
evening rise	-12215 May 10 j 14:13	29° \approx 37'43		evening rise		-12214 Apr 22 j 14:19	11° \approx 34'12	
	-12215 May 10 j 19:24	0° \mathcal{H}				-12214 May 03 j 10:40	0° \mathcal{H}	
	-12215 May 29 j 21:40	0° \mathcal{Y}		desc. node		-12214 May 21 j 14:36	25° \mathcal{H} 59'23	
desc. node	-12215 Jun 03 j 17:09	6° \mathcal{Y} 41'43				-12214 May 24 j 23:41	0° \mathcal{Y}	
evening max el	-12215 Jun 15 j 01:41	20° \mathcal{Y} 21'35	24°13'10	evening max el		-12214 May 28 j 11:14	3° \mathcal{Y} 43'02	25°30'15
retrograde	-12215 Jun 26 j 02:40	26° \mathcal{Y} 53'46		retrograde		-12214 Jun 09 j 13:13	10° \mathcal{Y} 47'49	
evening set	-12215 Jul 01 j 13:30	24° \mathcal{Y} 31'49		evening set		-12214 Jun 15 j 14:19	8° \mathcal{Y} 09'37	
inferior conj	-12215 Jul 06 j 19:13	18° \mathcal{Y} 16'10	-1°58'06	min. Earth dist.		-12214 Jun 19 j 21:44	3° \mathcal{Y} 16'45	0.66615 AU
minimum elong	-12215 Jul 06 j 21:16	18° \mathcal{Y} 09'10	1°57'16	inferior conj		-12214 Jun 20 j 23:02	1° \mathcal{Y} 54'03	-2°33'54
min. Earth dist.	-12215 Jul 06 j 06:15	19° \mathcal{Y} 00'13	0.67101 AU	minimum elong		-12214 Jun 21 j 01:19	1° \mathcal{Y} 46'35	2°33'19
morning rise	-12215 Jul 12 j 05:00	12° \mathcal{Y} 06'55				-12214 Jun 22 j 10:33	30° \mathcal{R} \mathcal{H}	
asc. node	-12215 Jul 13 j 14:41	11° \mathcal{Y} 15'05		morning rise		-12214 Jun 26 j 12:20	25° \mathcal{H} 55'22	
direct	-12215 Jul 16 j 02:48	10° \mathcal{Y} 39'31		direct		-12214 Jun 30 j 00:35	24° \mathcal{H} 43'48	
morning max el	-12215 Jul 24 j 07:48	15° \mathcal{Y} 31'29	20°45'25	asc. node		-12214 Jun 30 j 11:29	24° \mathcal{H} 44'58	
	-12215 Aug 04 j 13:25	0° \mathcal{B}		morning max el		-12214 Jul 07 j 09:33	28° \mathcal{H} 59'51	19°40'48
morning set	-12215 Aug 21 j 23:42	26° \mathcal{B} 18'57				-12214 Jul 08 j 08:03	0° \mathcal{Y}	
	-12215 Aug 24 j 08:14	0° \mathcal{I}				-12214 Jul 29 j 01:14	0° \mathcal{B}	
desc. node	-12215 Aug 30 j 13:59	9° \mathcal{I} 54'59		morning set		-12214 Aug 01 j 04:17	4° \mathcal{B} 52'54	
max. Earth dist.	-12215 Aug 31 j 15:46	11° \mathcal{I} 39'00	1.43189 AU	max. Earth dist.		-12214 Aug 14 j 05:33	25° \mathcal{B} 25'55	1.44220 AU
				desc. node		-12214 Aug 17 j 11:13	0° \mathcal{I} 35'53	
superior conj	-12215 Sep 06 j 18:31	21° \mathcal{I} 41'15	-0°42'14			-12214 Aug 17 j 02:15	0° \mathcal{I}	
minimum elong	-12215 Sep 06 j 14:51	21° \mathcal{I} 26'02	0°41'06					
	-12215 Sep 11 j 16:39	0° \mathcal{E}		superior conj		-12214 Aug 17 j 15:09	0° \mathcal{I} 51'42	-0°00'59
evening rise	-12215 Sep 19 j 01:46	12° \mathcal{E} 49'27		minimum elong		-12214 Aug 17 j 15:06	0° \mathcal{I} 51'29	0°00'21
	-12215 Sep 29 j 02:05	0° \mathcal{O}		behind sun begin		-12214 Aug 17 j 04:09	0° \mathcal{I} 07'34	
evening max el	-12215 Oct 06 j 02:47	9° \mathcal{O} 28'13	18°08'04	behind sun end		-12214 Aug 18 j 02:03	1° \mathcal{I} 35'28	
asc. node	-12215 Oct 09 j 14:42	12° \mathcal{O} 10'40		evening rise		-12214 Aug 31 j 23:17	24° \mathcal{I} 22'40	
retrograde	-12215 Oct 12 j 19:09	13° \mathcal{O} 00'44				-12214 Sep 04 j 07:51	0° \mathcal{E}	
evening set	-12215 Oct 15 j 09:25	12° \mathcal{O} 27'58		evening max el		-12214 Sep 19 j 16:28	22° \mathcal{E} 53'27	18°23'31
inferior conj	-12215 Oct 22 j 00:34	7° \mathcal{O} 12'56	3°19'46	retrograde		-12214 Sep 26 j 07:29	26° \mathcal{E} 31'41	
minimum elong	-12215 Oct 21 j 20:43	7° \mathcal{O} 22'42	3°19'27	asc. node		-12214 Sep 26 j 11:52	26° \mathcal{E} 31'30	
min. Earth dist.	-12215 Oct 24 j 15:19	4° \mathcal{O} 33'53	0.62508 AU	evening set		-12214 Sep 29 j 02:23	25° \mathcal{E} 49'52	
morning rise	-12215 Oct 28 j 07:01	1° \mathcal{O} 23'09		inferior conj		-12214 Oct 05 j 07:21	20° \mathcal{E} 17'30	2°33'25
	-12215 Oct 30 j 13:07	30° \mathcal{R} \mathcal{E}		minimum elong		-12214 Oct 05 j 03:59	20° \mathcal{E} 26'59	2°33'04
direct	-12215 Nov 04 j 08:24	28° \mathcal{E} 48'45		min. Earth dist.		-12214 Oct 07 j 09:30	17° \mathcal{E} 56'06	0.64032 AU
	-12215 Nov 09 j 10:43	0° \mathcal{O}		morning rise		-12214 Oct 11 j 04:51	14° \mathcal{E} 14'03	
morning max el	-12215 Nov 18 j 02:37	6° \mathcal{O} 18'33	27°34'09	direct		-12214 Oct 18 j 01:07	11° \mathcal{E} 30'45	
desc. node	-12215 Nov 26 j 14:26	16° \mathcal{O} 00'21		morning max el		-12214 Oct 31 j 11:42	19° \mathcal{E} 03'10	27°20'37
	-12215 Dec 06 j 06:31	0° \mathcal{M}				-12214 Nov 09 j 22:42	0° \mathcal{O}	
morning set	-12215 Dec 21 j 12:00	27° \mathcal{M} 33'21		desc. node		-12214 Nov 13 j 11:05	4° \mathcal{O} 47'26	
	-12215 Dec 22 j 16:45	0° \mathcal{A}				-12214 Nov 29 j 03:04	0° \mathcal{M}	
max. Earth dist.	-12215 Dec 27 j 05:21	9° \mathcal{A} 31'21	1.33182 AU	morning set		-12214 Dec 05 j 07:44	11° \mathcal{M} 41'20	
				max. Earth dist.		-12214 Dec 10 j 08:13	21° \mathcal{M} 51'27	1.33921 AU
superior conj	-12215 Dec 28 j 21:44	13° \mathcal{A} 08'53	-1°05'20					
minimum elong	-12215 Dec 28 j 23:45	13° \mathcal{A} 19'48	1°05'12	superior conj		-12214 Dec 13 j 05:09	27° \mathcal{M} 53'50	-1°20'42
evening rise	-12214 Jan 04 j 23:04	28° \mathcal{A} 19'19		minimum elong		-12214 Dec 13 j 07:07	28° \mathcal{M} 04'16	1°20'28
asc. node	-12214 Jan 05 j 12:21	29° \mathcal{A} 28'56				-12214 Dec 14 j 04:52	0° \mathcal{A}	
	-12214 Jan 05 j 18:19	0° \mathcal{M}		evening rise		-12214 Dec 20 j 10:03	13° \mathcal{A} 13'16	
	-12214 Jan 23 j 05:21	0° \mathcal{A}		asc. node		-12214 Dec 23 j 09:43	19° \mathcal{A} 20'53	
evening max el	-12214 Jan 29 j 15:18	7° \mathcal{A} 12'42	24°05'42			-12214 Dec 29 j 01:22	0° \mathcal{M}	
retrograde	-12214 Feb 12 j 07:10	13° \mathcal{A} 58'04		evening max el		-12213 Jan 11 j 09:25	18° \mathcal{M} 05'22	22°31'37
evening set	-12214 Feb 16 j 12:27	13° \mathcal{A} 18'29		retrograde		-12213 Jan 24 j 03:45	24° \mathcal{M} 12'40	
desc. node	-12214 Feb 22 j 16:09	10° \mathcal{A} 22'32		evening set		-12213 Jan 27 j 11:16	23° \mathcal{M} 48'34	
min. Earth dist.	-12214 Feb 23 j 04:32	10° \mathcal{A} 03'46	0.56386 AU	min. Earth dist.		-12213 Feb 04 j 19:43	20° \mathcal{M} 02'57	0.55553 AU
inferior conj	-12214 Feb 25 j 09:37	8° \mathcal{A} 41'08	-0°41'05	inferior conj		-12213 Feb 05 j 13:23	19° \mathcal{M} 37'29	1°00'58
minimum elong	-12214 Feb 25 j 08:00	8° \mathcal{A} 43'40	0°41'15	minimum elong		-12213 Feb 05 j 15:57	19° \mathcal{M} 33'47	0°59'36
morning rise	-12214 Mar 06 j 06:22	4° \mathcal{A} 34'01		desc. node		-12213 Feb 09 j 13:00	17° \mathcal{M} 26'44	
direct	-12214 Mar 08 j 10:10	4° \mathcal{A} 21'36		morning rise		-12213 Feb 14 j 21:44	15° \mathcal{M} 33'49	
morning max el	-12214 Mar 18 j 07:43	9° \mathcal{A} 02'28	19°45'11	direct		-12213 Feb 17 j 05:49	15° \mathcal{M} 21'03	
	-12214 Apr 01 j 06:50	0° \mathcal{B}		morning max el		-12213 Feb 28 j 19:24	20° \mathcal{M} 52'23	20°58'02
asc. node	-12214 Apr 03 j 10:43	4° \mathcal{B} 13'07				-12213 Mar 08 j 05:38	0° \mathcal{A}	
morning set	-12214 Apr 04 j 21:11	7° \mathcal{B} 04'54		morning set		-12213 Mar 20 j 03:50	21° \mathcal{A} 44'26	
				asc. node		-12213 Mar 21 j 07:44	24° \mathcal{A} 08'01	
superior conj	-12214 Apr 13 j 00:07	23° \mathcal{B} 24'24	1°17'56			-12213 Mar 24 j 03:34	0° \mathcal{B}	
minimum elong	-12214 Apr 12 j 21:08	23° \mathcal{B} 09'38	1°16'53					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-12213 Mar 27 j 18:20	7° Z 28'31	0°56'43	superior conj	-12212 Mar 10 j 20:19	21° Z 59'11	0°33'39
minimum elong	-12213 Mar 27 j 15:58	7° Z 16'23	0°55'36	minimum elong	-12212 Mar 10 j 18:54	21° Z 51'40	0°32'40
max. Earth dist.	-12213 Mar 31 j 22:22	15° Z 52'45	1.35524 AU	max. Earth dist.	-12212 Mar 13 j 17:58	28° Z 02'48	1.34330 AU
evening rise	-12213 Apr 05 j 10:04	24° Z 32'30			-12212 Mar 14 j 16:47	0° Z	
	-12213 Apr 08 j 08:58	0° \approx		evening rise	-12212 Mar 18 j 20:10	8° Z 16'55	
	-12213 Apr 26 j 23:09	0° H			-12212 Mar 30 j 21:54	0° \approx	
desc. node	-12213 May 08 j 12:02	14° H 34'28			-12212 Apr 22 j 02:12	0° H	
evening max el	-12213 May 10 j 21:28	17° H 03'28	26°33'34	evening max el	-12212 Apr 22 j 08:20	0° H 15'07	27°14'47
retrograde	-12213 May 23 j 19:13	24° H 28'59		desc. node	-12212 Apr 24 j 09:25	2° H 09'17	
evening set	-12213 May 30 j 08:16	21° H 42'28		retrograde	-12212 May 05 j 19:47	7° H 49'16	
min. Earth dist.	-12213 Jun 03 j 07:45	17° H 28'42	0.65742 AU	evening set	-12212 May 12 j 16:32	5° H 05'39	
inferior conj	-12213 Jun 04 j 22:42	15° H 29'07	-3°01'59	min. Earth dist.	-12212 May 16 j 10:25	1° H 27'51	0.64477 AU
minimum elong	-12213 Jun 05 j 00:45	15° H 22'49	3°01'49		-12212 May 17 j 17:43	30° R \approx	
morning rise	-12213 Jun 10 j 17:26	9° H 43'43		inferior conj	-12212 May 18 j 15:49	28° \approx 57'14	-3°20'09
direct	-12213 Jun 13 j 21:59	8° H 45'54		minimum elong	-12212 May 18 j 17:05	28° \approx 53'40	3°20'26
asc. node	-12213 Jun 17 j 08:15	9° H 48'45		morning rise	-12212 May 24 j 18:12	23° \approx 27'28	
morning max el	-12213 Jun 20 j 17:10	12° H 34'26	18°51'07	direct	-12212 May 27 j 16:39	22° \approx 41'25	
	-12213 Jul 03 j 04:28	0° Y		morning max el	-12212 Jun 03 j 04:57	26° \approx 11'43	18°18'13
morning set	-12213 Jul 12 j 00:52	14° Y 11'43		asc. node	-12212 Jun 03 j 04:59	26° \approx 11'49	
	-12213 Jul 21 j 22:10	0° Z			-12212 Jun 06 j 10:52	0° H	
				morning set	-12212 Jun 21 j 22:08	24° H 38'29	
superior conj	-12213 Jul 27 j 17:13	9° Z 10'52	0°44'02		-12212 Jun 25 j 03:03	0° Y	
minimum elong	-12213 Jul 27 j 22:16	9° Z 30'53	0°43'55	superior conj	-12212 Jul 05 j 21:21	17° Y 37'17	1°21'20
max. Earth dist.	-12213 Jul 27 j 21:48	9° Z 29'01	1.44582 AU	minimum elong	-12212 Jul 06 j 03:48	18° Y 03'12	1°20'58
desc. node	-12213 Aug 04 j 08:32	21° Z 16'41		max. Earth dist.	-12212 Jul 09 j 13:37	23° Y 30'25	1.44243 AU
	-12213 Aug 09 j 20:00	0° II			-12212 Jul 13 j 15:57	0° Z	
evening rise	-12213 Aug 12 j 19:09	4° II 44'32		desc. node	-12212 Jul 21 j 05:57	11° Z 53'44	
	-12213 Aug 29 j 00:21	0° Z		evening rise	-12212 Jul 22 j 12:00	13° Z 50'54	
evening max el	-12213 Sep 03 j 04:30	6° Z 23'38	18°56'21		-12212 Aug 01 j 22:45	0° II	
retrograde	-12213 Sep 10 j 01:10	10° Z 15'55		greatest brilliancy	-12212 Aug 03 j 08:05	2° II 06'32	-0.7m
evening set	-12213 Sep 13 j 03:03	9° Z 21'54		evening max el	-12212 Aug 16 j 12:15	19° II 53'40	19°45'28
asc. node	-12213 Sep 13 j 08:56	9° Z 13'03		retrograde	-12212 Aug 23 j 21:21	24° II 08'53	
inferior conj	-12213 Sep 18 j 23:27	3° Z 35'25	1°42'28	evening set	-12212 Aug 27 j 08:34	22° II 59'09	
minimum elong	-12213 Sep 18 j 21:07	3° Z 42'36	1°42'22	asc. node	-12212 Aug 30 j 05:55	20° II 20'40	
min. Earth dist.	-12213 Sep 20 j 13:04	1° Z 40'07	0.65272 AU	inferior conj	-12212 Sep 01 j 22:11	17° II 01'33	0°50'12
	-12213 Sep 21 j 23:14	30° R II		minimum elong	-12212 Sep 01 j 21:02	17° II 05'17	0°50'27
morning rise	-12213 Sep 24 j 14:40	27° II 22'06		min. Earth dist.	-12212 Sep 03 j 00:03	15° II 37'16	0.66210 AU
direct	-12213 Oct 01 j 00:31	24° II 41'26		morning rise	-12212 Sep 07 j 09:12	10° II 42'24	
	-12213 Oct 11 j 15:19	0° Z		direct	-12212 Sep 13 j 05:43	8° II 12'54	
morning max el	-12213 Oct 13 j 22:03	2° Z 07'59	26°37'24	morning max el	-12212 Sep 25 j 07:56	15° II 21'03	25°31'55
desc. node	-12213 Oct 31 j 07:46	24° Z 13'44			-12212 Oct 07 j 11:29	0° Z	
	-12213 Nov 04 j 02:21	0° Z		desc. node	-12212 Oct 17 j 04:32	14° Z 07'29	
morning set	-12213 Nov 18 j 16:09	25° Z 11'02			-12212 Oct 26 j 22:22	0° Z	
	-12213 Nov 21 j 04:20	0° H		morning set	-12212 Oct 31 j 08:48	7° Z 48'59	
max. Earth dist.	-12213 Nov 23 j 00:52	3° H 39'12	1.35087 AU	max. Earth dist.	-12212 Nov 04 j 06:54	15° Z 03'20	1.36673 AU
superior conj	-12213 Nov 27 j 07:14	12° H 18'39	-1°31'50	superior conj	-12212 Nov 10 j 01:13	26° Z 14'24	-1°37'23
minimum elong	-12213 Nov 27 j 08:40	12° H 26'01	1°31'31	minimum elong	-12212 Nov 10 j 01:33	26° Z 16'02	1°36'57
evening rise	-12213 Dec 04 j 19:14	27° H 56'50			-12212 Nov 11 j 22:15	0° H	
	-12213 Dec 05 j 19:12	0° Z		evening rise	-12212 Nov 18 j 00:47	12° H 24'13	
asc. node	-12213 Dec 10 j 07:04	8° Z 52'29		asc. node	-12212 Nov 26 j 04:25	27° H 56'09	
evening max el	-12213 Dec 24 j 09:37	29° Z 16'48	21°03'31		-12212 Nov 27 j 09:53	0° Z	
	-12213 Dec 25 j 04:45	0° H		evening max el	-12212 Dec 05 j 19:22	10° Z 59'46	19°50'01
retrograde	-12212 Jan 04 j 18:12	4° H 36'56		retrograde	-12212 Dec 15 j 14:01	15° Z 35'49	
evening set	-12212 Jan 07 j 13:14	4° H 18'47		evening set	-12212 Dec 18 j 04:02	15° Z 18'01	
inferior conj	-12212 Jan 16 j 10:47	0° H 19'45	2°39'06	inferior conj	-12212 Dec 26 j 15:00	11° Z 13'39	3°47'21
minimum elong	-12212 Jan 16 j 16:26	0° H 11'35	2°37'16	minimum elong	-12212 Dec 26 j 19:37	11° Z 06'23	3°46'31
	-12212 Jan 17 j 00:25	30° R Z		min. Earth dist.	-12212 Dec 28 j 22:53	9° Z 46'01	0.56425 AU
min. Earth dist.	-12212 Jan 17 j 09:43	29° Z 46'35	0.55575 AU	morning rise	-12211 Jan 04 j 09:11	6° Z 36'03	
morning rise	-12212 Jan 25 j 18:34	26° Z 04'00		direct	-12211 Jan 08 j 18:06	5° Z 53'20	
desc. node	-12212 Jan 27 j 09:45	25° Z 47'37		desc. node	-12211 Jan 13 j 06:24	6° Z 39'58	
direct	-12212 Jan 28 j 20:51	25° Z 42'49		morning max el	-12211 Jan 22 j 12:00	12° Z 46'10	24°03'38
	-12212 Feb 08 j 11:43	0° H			-12211 Feb 04 j 15:22	0° H	
morning max el	-12212 Feb 10 j 19:47	2° H 02'32	22°26'48	morning set	-12211 Feb 16 j 02:34	21° H 42'42	
	-12212 Feb 29 j 07:53	0° Z			-12211 Feb 19 j 23:52	0° Z	
morning set	-12212 Mar 03 j 14:16	6° Z 39'14		asc. node	-12211 Feb 22 j 01:59	4° Z 30'24	
asc. node	-12212 Mar 07 j 04:49	14° Z 15'16					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-12211 Feb 23 j 03:34	6°♂48'14	0°10'04			-12210 Jan 28 j 07:24	0°♂	
minimum elong	-12211 Feb 23 j 03:10	6°♂46'04	0°09'20	morning set		-12210 Jan 31 j 14:52	6°♂47'32	
behind sun begin	-12211 Feb 22 j 22:59	6°♂23'33						
behind sun end	-12211 Feb 23 j 07:21	7°♂08'34		superior conj		-12210 Feb 07 j 13:58	21°♂47'55	-0°13'06
max. Earth dist.	-12211 Feb 24 j 22:53	10°♂40'14	1.33481 AU	minimum elong		-12210 Feb 07 j 14:32	21°♂50'56	0°13'32
evening rise	-12211 Mar 02 j 16:27	22°♂34'12		behind sun begin		-12210 Feb 07 j 11:57	21°♂36'52	
	-12211 Mar 06 j 11:31	0°♂		behind sun end		-12210 Feb 07 j 17:07	22°♂05'00	
	-12211 Mar 24 j 17:28	0°♂		max. Earth dist.		-12210 Feb 08 j 09:54	23°♂36'18	1.32966 AU
evening max el	-12211 Apr 04 j 18:06	13°♂06'58	27°27'16	asc. node		-12210 Feb 08 j 23:13	24°♂48'35	
desc. node	-12211 Apr 11 j 06:40	18°♂19'53				-12210 Feb 11 j 09:05	0°♂	
retrograde	-12211 Apr 18 j 14:07	20°♂41'11		evening rise		-12210 Feb 14 j 19:42	7°♂13'01	
evening set	-12211 Apr 25 j 12:01	18°♂13'18				-12210 Feb 27 j 00:37	0°♂	
min. Earth dist.	-12211 Apr 29 j 04:15	15°♂03'56	0.62847 AU	evening max el		-12210 Mar 18 j 00:06	25°♂26'25	27°07'14
inferior conj	-12211 May 01 j 23:39	12°♂13'33	-3°25'15			-12210 Mar 23 j 14:12	0°♂	
minimum elong	-12211 May 01 j 23:32	12°♂13'50	3°25'49	desc. node		-12210 Mar 29 j 03:50	2°♂33'59	
morning rise	-12211 May 08 j 12:13	7°♂01'41		retrograde		-12210 Apr 01 j 01:08	2°♂56'00	
direct	-12211 May 11 j 05:47	6°♂25'44		evening set		-12210 Apr 07 j 15:22	0°♂55'33	
morning max el	-12211 May 17 j 18:44	9°♂48'06	18°03'14			-12210 Apr 09 j 01:12	30°♂	
asc. node	-12211 May 21 j 01:46	13°♂39'00		min. Earth dist.		-12210 Apr 11 j 12:57	28°♂02'32	0.60943 AU
	-12211 May 31 j 06:19	0°♂		inferior conj		-12210 Apr 14 j 18:44	25°♂09'48	-3°12'40
morning set	-12211 Jun 03 j 19:40	6°♂14'14		minimum elong		-12210 Apr 14 j 16:51	25°♂14'01	3°13'09
				morning rise		-12210 Apr 21 j 20:24	20°♂17'35	
superior conj	-12211 Jun 15 j 22:32	27°♂05'39	1°43'06	direct		-12210 Apr 24 j 09:31	19°♂50'30	
minimum elong	-12211 Jun 16 j 02:01	27°♂20'11	1°42'53	morning max el		-12210 May 01 j 07:57	23°♂16'44	18°06'51
	-12211 Jun 17 j 16:26	0°♂				-12210 May 06 j 16:35	0°♂	
max. Earth dist.	-12211 Jun 22 j 02:35	7°♂14'40	1.43254 AU	asc. node		-12210 May 07 j 22:36	1°♂55'39	
evening rise	-12211 Jul 01 j 12:47	22°♂12'36		morning set		-12210 May 17 j 13:05	18°♂48'29	
	-12211 Jul 06 j 13:49	0°♂				-12210 May 23 j 16:10	0°♂	
desc. node	-12211 Jul 08 j 03:27	2°♂23'36						
	-12211 Jul 27 j 13:47	0°♂		superior conj		-12210 May 28 j 02:45	7°♂54'22	1°49'07
evening max el	-12211 Jul 30 j 13:45	3°♂20'37	20°49'01	minimum elong		-12210 May 28 j 02:36	7°♂53'41	1°48'49
retrograde	-12211 Aug 07 j 17:57	8°♂07'59		max. Earth dist.		-12210 Jun 04 j 10:09	20°♂24'42	1.41744 AU
evening set	-12211 Aug 11 j 16:39	6°♂39'24				-12210 Jun 10 j 06:46	0°♂	
inferior conj	-12211 Aug 17 j 01:22	0°♂33'23	-0°01'09	evening rise		-12210 Jun 10 j 19:41	0°♂51'46	
minimum elong	-12211 Aug 17 j 01:23	0°♂33'21	0°00'32	desc. node		-12210 Jun 25 j 00:58	22°♂41'41	
transit middle	-12211 Aug 17 j 01:23	0°♂33'21	0°00'32			-12210 Jun 30 j 02:30	0°♂	
transit begin	-12211 Aug 16 j 22:39	0°♂42'36		evening max el		-12210 Jul 13 j 08:09	16°♂42'42	22°04'08
transit end	-12211 Aug 17 j 04:06	0°♂24'05		retrograde		-12210 Jul 22 j 13:18	22°♂10'12	
asc. node	-12211 Aug 17 j 02:50	0°♂28'24		evening set		-12210 Jul 27 j 01:13	20°♂20'39	
	-12211 Aug 17 j 11:12	30°♂		inferior conj		-12210 Aug 01 j 07:03	14°♂08'51	-0°49'55
min. Earth dist.	-12211 Aug 17 j 16:15	29°♂42'54	0.66846 AU	minimum elong		-12210 Aug 01 j 08:03	14°♂05'22	0°49'03
morning rise	-12211 Aug 22 j 09:57	24°♂12'17		min. Earth dist.		-12210 Aug 01 j 11:20	13°♂54'01	0.67182 AU
direct	-12211 Aug 27 j 16:09	21°♂59'03		asc. node		-12210 Aug 03 j 23:43	10°♂33'47	
morning max el	-12211 Sep 07 j 17:43	28°♂36'32	24°12'53	morning rise		-12210 Aug 06 j 14:49	7°♂49'31	
	-12211 Sep 09 j 01:44	0°♂		direct		-12210 Aug 11 j 07:11	5°♂54'29	
	-12211 Oct 01 j 06:25	0°♂		morning max el		-12210 Aug 21 j 05:21	11°♂52'51	22°49'02
desc. node	-12211 Oct 04 j 01:24	4°♂20'50				-12210 Sep 04 j 12:28	0°♂	
morning set	-12211 Oct 13 j 04:25	19°♂21'38		desc. node		-12210 Sep 20 j 22:24	24°♂47'41	
max. Earth dist.	-12211 Oct 17 j 06:43	26°♂31'56	1.38567 AU	morning set		-12210 Sep 23 j 22:35	29°♂39'17	
	-12211 Oct 19 j 04:54	0°♂				-12210 Sep 24 j 03:39	0°♂	
				max. Earth dist.		-12210 Sep 29 j 06:42	8°♂33'23	1.40540 AU
superior conj	-12211 Oct 24 j 07:28	9°♂30'41	-1°35'33					
minimum elong	-12211 Oct 24 j 06:10	9°♂24'28	1°34'55	superior conj		-12210 Oct 06 j 21:12	21°♂54'21	-1°24'11
evening rise	-12211 Nov 02 j 00:34	26°♂29'52		minimum elong		-12210 Oct 06 j 18:04	21°♂40'10	1°23'16
	-12211 Nov 03 j 19:35	0°♂				-12210 Oct 11 j 06:54	0°♂	
asc. node	-12211 Nov 13 j 01:45	16°♂22'43		evening rise		-12210 Oct 16 j 15:48	10°♂06'49	
evening max el	-12211 Nov 18 j 15:17	23°♂16'27	18°55'34			-12210 Oct 27 j 23:09	0°♂	
retrograde	-12211 Nov 27 j 01:26	27°♂19'42		asc. node		-12210 Oct 30 j 23:03	4°♂00'43	
evening set	-12211 Nov 29 j 13:17	26°♂59'51		evening max el		-12210 Nov 01 j 19:53	6°♂02'36	18°21'32
inferior conj	-12211 Dec 07 j 11:39	22°♂38'27	4°15'51	retrograde		-12210 Nov 09 j 06:47	9°♂45'28	
minimum elong	-12211 Dec 07 j 12:36	22°♂36'43	4°15'56	evening set		-12210 Nov 11 j 18:00	9°♂22'09	
min. Earth dist.	-12211 Dec 10 j 13:05	20°♂27'07	0.57896 AU	inferior conj		-12210 Nov 19 j 03:42	4°♂39'42	4°10'36
morning rise	-12211 Dec 15 j 09:59	17°♂37'07		minimum elong		-12210 Nov 19 j 01:30	4°♂44'17	4°10'44
direct	-12211 Dec 21 j 02:14	16°♂20'28		min. Earth dist.		-12210 Nov 22 j 07:59	2°♂02'05	0.59687 AU
desc. node	-12211 Dec 31 j 03:01	20°♂08'49				-12210 Nov 25 j 03:01	30°♂	
morning max el	-12210 Jan 04 j 02:52	23°♂30'51	25°35'08	morning rise		-12210 Nov 26 j 07:21	29°♂16'59	
	-12210 Jan 09 j 23:42	0°♂		direct		-12210 Dec 02 j 21:46	27°♂23'04	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12210 Dec 10 j 23:37	0° \mathbb{M}		morning max el	-12209 Nov 29 j 00:13	16° Ω 34'08	27°26'29
morning max el	-12210 Dec 16 j 22:23	4° \mathbb{M} 43'34	26°46'14	desc. node	-12209 Dec 04 j 20:15	22° Ω 56'12	
desc. node	-12210 Dec 17 j 23:38	5° \mathbb{M} 45'39			-12209 Dec 10 j 05:54	0° \mathbb{M}	
	-12209 Jan 04 j 14:36	0° \mathbb{A}			-12209 Dec 28 j 01:42	0° \mathbb{A}	
morning set	-12209 Jan 16 j 01:25	21° \mathbb{A} 47'16		morning set	-12209 Dec 31 j 08:09	6° \mathbb{A} 33'31	
	-12209 Jan 19 j 22:05	0° \mathbb{M}		max. Earth dist.	-12208 Jan 06 j 11:26	19° \mathbb{A} 33'33	1.32932 AU
superior conj	-12209 Jan 23 j 01:48	6° \mathbb{M} 52'16	-0°35'01	superior conj	-12208 Jan 07 j 13:20	21° \mathbb{A} 54'10	-0°55'00
minimum elong	-12209 Jan 23 j 03:09	6° \mathbb{M} 59'35	0°35'11	minimum elong	-12208 Jan 07 j 15:12	22° \mathbb{A} 04'19	0°54'58
max. Earth dist.	-12209 Jan 22 j 23:20	6° \mathbb{M} 38'44	1.32781 AU		-12208 Jan 11 j 06:42	0° \mathbb{M}	
asc. node	-12209 Jan 26 j 20:32	15° \mathbb{M} 05'47		asc. node	-12208 Jan 13 j 17:52	5° \mathbb{M} 16'58	
evening rise	-12209 Jan 30 j 03:34	22° \mathbb{M} 05'16		evening rise	-12208 Jan 14 j 13:59	7° \mathbb{M} 03'03	
	-12209 Feb 03 j 01:17	0° \mathbb{A}			-12208 Jan 26 j 18:44	0° \mathbb{A}	
	-12209 Feb 21 j 14:26	0° \mathbb{B}		evening max el	-12208 Feb 09 j 20:02	18° \mathbb{A} 16'45	24°57'39
evening max el	-12209 Feb 28 j 00:37	7° \mathbb{B} 07'58	26°15'16	retrograde	-12208 Feb 23 j 19:10	25° \mathbb{A} 18'34	
retrograde	-12209 Mar 14 j 03:34	14° \mathbb{B} 28'16		evening set	-12208 Feb 28 j 14:53	24° \mathbb{A} 25'01	
desc. node	-12209 Mar 16 j 00:54	14° \mathbb{B} 19'15		desc. node	-12208 Mar 01 j 21:52	23° \mathbb{A} 24'55	
evening set	-12209 Mar 20 j 00:13	13° \mathbb{B} 02'12		min. Earth dist.	-12208 Mar 05 j 09:42	21° \mathbb{A} 21'43	0.57180 AU
min. Earth dist.	-12209 Mar 24 j 13:57	10° \mathbb{B} 10'38	0.58958 AU	inferior conj	-12208 Mar 08 j 04:54	19° \mathbb{A} 29'16	-1°31'30
inferior conj	-12209 Mar 27 j 21:26	7° \mathbb{B} 37'31	-2°36'31	minimum elong	-12208 Mar 08 j 01:50	19° \mathbb{A} 34'24	1°31'21
minimum elong	-12209 Mar 27 j 18:07	7° \mathbb{B} 43'59	2°36'34	morning rise	-12208 Mar 16 j 16:02	15° \mathbb{A} 14'32	
morning rise	-12209 Apr 04 j 15:03	3° \mathbb{B} 05'22		direct	-12208 Mar 18 j 20:36	15° \mathbb{A} 00'26	
direct	-12209 Apr 06 j 23:40	2° \mathbb{B} 45'48		morning max el	-12208 Mar 27 j 21:08	19° \mathbb{A} 17'03	19°11'57
morning max el	-12209 Apr 14 j 17:47	6° \mathbb{B} 29'39	18°29'36		-12208 Apr 04 j 23:55	0° \mathbb{B}	
asc. node	-12209 Apr 24 j 19:30	20° \mathbb{B} 50'22		asc. node	-12208 Apr 10 j 16:27	10° \mathbb{B} 14'00	
	-12209 Apr 29 j 18:21	0° \mathbb{A}		morning set	-12208 Apr 13 j 17:23	16° \mathbb{B} 09'20	
morning set	-12209 Apr 30 j 21:41	2° \mathbb{A} 10'15			-12208 Apr 20 j 17:29	0° \mathbb{A}	
superior conj	-12209 May 10 j 06:58	19° \mathbb{A} 56'04	1°42'59	superior conj	-12208 Apr 22 j 05:40	2° \mathbb{A} 55'48	1°28'39
minimum elong	-12209 May 10 j 04:37	19° \mathbb{A} 45'13	1°42'22	minimum elong	-12208 Apr 22 j 02:37	2° \mathbb{A} 41'02	1°27'43
	-12209 May 15 j 20:53	0° \mathbb{H}		max. Earth dist.	-12208 Apr 28 j 11:53	14° \mathbb{A} 42'05	1.38061 AU
max. Earth dist.	-12209 May 17 j 11:53	2° \mathbb{H} 50'40	1.39928 AU	evening rise	-12208 May 02 j 12:29	21° \mathbb{A} 54'18	
evening rise	-12209 May 22 j 02:21	10° \mathbb{H} 41'15			-12208 May 07 j 05:55	0° \mathbb{H}	
	-12209 Jun 03 j 05:33	0° \mathbb{Y}			-12208 May 27 j 02:02	0° \mathbb{Y}	
desc. node	-12209 Jun 11 j 22:29	12° \mathbb{Y} 42'33		desc. node	-12208 May 28 j 19:59	2° \mathbb{Y} 18'52	
	-12209 Jun 25 j 19:58	0° \mathbb{B}		evening max el	-12208 Jun 07 j 06:40	13° \mathbb{Y} 22'45	24°47'11
evening max el	-12209 Jun 25 j 20:45	0° \mathbb{B} 02'00	23°25'52	retrograde	-12208 Jun 18 j 19:08	20° \mathbb{Y} 10'38	
retrograde	-12209 Jul 06 j 06:03	6° \mathbb{B} 12'20		evening set	-12208 Jun 24 j 12:02	17° \mathbb{Y} 41'16	
evening set	-12209 Jul 11 j 08:19	4° \mathbb{B} 01'40		min. Earth dist.	-12208 Jun 29 j 00:41	12° \mathbb{Y} 25'39	0.66931 AU
	-12209 Jul 14 j 22:12	30° \mathbb{R} \mathbb{Y}		inferior conj	-12208 Jun 29 j 18:41	11° \mathbb{Y} 25'15	-2°14'09
inferior conj	-12209 Jul 16 j 13:24	27° \mathbb{Y} 46'35	-1°34'41	minimum elong	-12208 Jun 29 j 20:54	11° \mathbb{Y} 17'51	2°13'23
minimum elong	-12209 Jul 16 j 15:10	27° \mathbb{Y} 40'29	1°33'46	morning rise	-12208 Jul 05 j 05:44	5° \mathbb{Y} 19'52	
min. Earth dist.	-12209 Jul 16 j 06:57	28° \mathbb{Y} 08'48	0.67218 AU	asc. node	-12208 Jul 07 j 17:22	4° \mathbb{Y} 08'10	
morning rise	-12209 Jul 21 j 21:58	21° \mathbb{Y} 32'31		direct	-12208 Jul 08 j 23:12	3° \mathbb{Y} 59'24	
asc. node	-12209 Jul 21 j 20:34	21° \mathbb{Y} 35'16		morning max el	-12208 Jul 16 j 19:04	8° \mathbb{Y} 35'37	20°16'15
direct	-12209 Jul 26 j 01:57	19° \mathbb{Y} 55'27			-12208 Aug 01 j 13:13	0° \mathbb{B}	
morning max el	-12209 Aug 03 j 21:11	25° \mathbb{Y} 11'29	21°28'03	morning set	-12208 Aug 12 j 19:10	17° \mathbb{B} 15'43	
	-12209 Aug 08 j 01:59	0° \mathbb{B}			-12208 Aug 20 j 21:50	0° \mathbb{H}	
	-12209 Aug 29 j 00:25	0° \mathbb{H}		max. Earth dist.	-12208 Aug 23 j 21:49	4° \mathbb{H} 47'06	1.43704 AU
morning set	-12209 Sep 03 j 15:40	8° \mathbb{H} 45'44		desc. node	-12208 Aug 24 j 16:40	6° \mathbb{H} 02'45	
desc. node	-12209 Sep 07 j 19:28	15° \mathbb{H} 22'47		superior conj	-12208 Aug 29 j 00:56	13° \mathbb{H} 05'24	-0°25'50
max. Earth dist.	-12209 Sep 11 j 11:12	21° \mathbb{H} 19'03	1.42334 AU	minimum elong	-12208 Aug 28 j 22:23	12° \mathbb{H} 54'59	0°24'50
	-12209 Sep 16 j 16:09	0° \mathbb{B}			-12208 Sep 08 j 03:36	0° \mathbb{B}	
superior conj	-12209 Sep 18 j 12:35	3° \mathbb{B} 09'24	-1°01'10	evening rise	-12208 Sep 11 j 04:36	5° \mathbb{B} 13'00	
minimum elong	-12209 Sep 18 j 08:26	2° \mathbb{B} 51'37	1°00'01		-12208 Sep 26 j 14:59	0° \mathbb{A}	
evening rise	-12209 Sep 29 j 18:44	23° \mathbb{B} 04'53		evening max el	-12208 Sep 28 j 19:53	2° \mathbb{A} 30'29	18°12'26
	-12209 Oct 03 j 14:52	0° \mathbb{A}		asc. node	-12208 Oct 03 j 17:31	5° \mathbb{A} 48'50	
evening max el	-12209 Oct 16 j 06:24	19° \mathbb{A} 09'35	18°07'29	retrograde	-12208 Oct 05 j 10:42	6° \mathbb{A} 04'02	
asc. node	-12209 Oct 17 j 20:20	20° \mathbb{A} 34'46		evening set	-12208 Oct 08 j 02:41	5° \mathbb{A} 27'47	
retrograde	-12209 Oct 23 j 03:10	22° \mathbb{A} 43'02		inferior conj	-12208 Oct 14 j 13:22	0° \mathbb{A} 05'17	3°00'54
evening set	-12209 Oct 25 j 15:40	22° \mathbb{A} 14'26		minimum elong	-12208 Oct 14 j 09:38	0° \mathbb{A} 15'14	3°00'31
inferior conj	-12209 Nov 01 j 13:20	17° \mathbb{A} 11'01	3°42'30		-12208 Oct 14 j 15:20	30° \mathbb{R} \mathbb{B}	
minimum elong	-12209 Nov 01 j 09:40	17° \mathbb{A} 19'44	3°42'19	min. Earth dist.	-12208 Oct 16 j 22:59	27° \mathbb{B} 32'15	0.63200 AU
min. Earth dist.	-12209 Nov 04 j 10:42	14° \mathbb{A} 27'08	0.61522 AU	morning rise	-12208 Oct 20 j 15:40	24° \mathbb{B} 09'25	
morning rise	-12209 Nov 08 j 02:23	11° \mathbb{A} 30'14		direct	-12208 Oct 27 j 15:56	21° \mathbb{B} 29'19	
direct	-12209 Nov 15 j 02:56	9° \mathbb{A} 06'32		morning max el	-12208 Nov 10 j 07:09	29° \mathbb{B} 00'52	27°32'10

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12208 Nov 11 j 06:57	0°♊		minimum elong	-12207 Sep 27 j 21:28	13°♊24'31	2°11'51
desc. node	-12208 Nov 20 j 16:53	11°♊13'53		min. Earth dist.	-12207 Sep 29 j 21:08	11°♊05'01	0.64605 AU
	-12208 Dec 03 j 00:29	0°♋		morning rise	-12207 Oct 03 j 19:02	7°♊08'01	
morning set	-12208 Dec 14 j 08:42	20°♋57'59		direct	-12207 Oct 10 j 11:29	4°♊24'42	
	-12208 Dec 18 j 18:13	0°♌		morning max el	-12207 Oct 23 j 16:53	11°♊54'54	27°05'25
max. Earth dist.	-12208 Dec 19 j 18:36	2°♌08'42	1.33450 AU		-12207 Nov 07 j 08:12	0°♊	
				desc. node	-12207 Nov 07 j 13:33	0°♊19'19	
superior conj	-12208 Dec 21 j 22:48	6°♌47'21	-1°12'19		-12207 Nov 25 j 11:00	0°♋	
minimum elong	-12208 Dec 22 j 00:51	6°♌58'21	1°12'08	morning set	-12207 Nov 28 j 00:07	4°♋51'08	
evening rise	-12208 Dec 29 j 01:14	22°♌00'09		max. Earth dist.	-12207 Dec 02 j 17:30	14°♋15'45	1.34370 AU
asc. node	-12208 Dec 30 j 15:12	25°♌17'25					
	-12207 Jan 01 j 23:15	0°♍		superior conj	-12207 Dec 06 j 04:16	21°♋24'59	-1°26'02
evening max el	-12207 Jan 21 j 13:23	29°♍09'11	23°25'39	minimum elong	-12207 Dec 06 j 06:05	21°♋34'28	1°25'45
	-12207 Jan 22 j 11:40	0°♎			-12207 Dec 10 j 05:38	0°♌	
retrograde	-12207 Feb 03 j 21:45	5°♎39'14		evening rise	-12207 Dec 13 j 11:42	6°♌50'53	
evening set	-12207 Feb 07 j 16:40	5°♎07'51		asc. node	-12207 Dec 17 j 12:33	15°♌01'46	
min. Earth dist.	-12207 Feb 15 j 02:09	1°♎41'43	0.55935 AU		-12207 Dec 26 j 02:34	0°♍	
inferior conj	-12207 Feb 16 j 17:16	0°♎43'17	0°00'56	evening max el	-12206 Jan 03 j 09:35	10°♍08'01	21°52'43
minimum elong	-12207 Feb 16 j 17:17	0°♎43'16	0°00'18	retrograde	-12206 Jan 15 j 14:13	15°♍55'14	
transit middle	-12207 Feb 16 j 17:17	0°♎43'16	0°00'18	evening set	-12206 Jan 18 j 15:35	15°♍34'26	
transit begin	-12207 Feb 16 j 13:15	0°♎49'18		inferior conj	-12206 Jan 27 j 16:48	11°♍30'49	1°44'49
transit end	-12207 Feb 16 j 21:18	0°♎37'15		minimum elong	-12206 Jan 27 j 21:04	11°♍24'45	1°43'04
desc. node	-12207 Feb 16 j 18:45	0°♎41'04		min. Earth dist.	-12206 Jan 27 j 16:32	11°♍31'12	0.55460 AU
	-12207 Feb 17 j 22:25	30°♎		desc. node	-12206 Feb 03 j 15:31	8°♍04'41	
morning rise	-12207 Feb 25 j 19:58	26°♎38'56		morning rise	-12206 Feb 06 j 02:42	7°♍24'08	
direct	-12207 Feb 28 j 00:23	26°♎26'58		direct	-12206 Feb 08 j 16:55	7°♍08'57	
	-12207 Mar 08 j 22:14	0°♏		morning max el	-12206 Feb 20 j 21:42	13°♍01'25	21°34'12
morning max el	-12207 Mar 10 j 15:01	1°♏29'06	20°13'58		-12206 Mar 05 j 06:21	0°♏	
morning set	-12207 Mar 28 j 20:47	0°♏36'18		morning set	-12206 Mar 13 j 05:21	15°♏23'45	
asc. node	-12207 Mar 28 j 13:25	29°♏59'02		asc. node	-12206 Mar 15 j 10:28	20°♏00'04	
	-12207 Mar 28 j 13:37	0°♐			-12206 Mar 20 j 05:00	0°♐	
superior conj	-12207 Apr 05 j 17:52	16°♐39'17	1°09'15	superior conj	-12206 Mar 20 j 15:46	0°♐56'00	0°47'03
minimum elong	-12207 Apr 05 j 15:05	16°♐25'17	1°08'09	minimum elong	-12206 Mar 20 j 13:47	0°♐45'40	0°46'00
max. Earth dist.	-12207 Apr 10 j 16:36	26°♐23'53	1.36366 AU	max. Earth dist.	-12206 Mar 24 j 06:37	8°♐20'52	1.34974 AU
	-12207 Apr 12 j 14:00	0°♑		evening rise	-12206 Mar 29 j 00:05	17°♐38'33	
evening rise	-12207 Apr 14 j 21:36	4°♑18'41			-12206 Apr 04 j 17:53	0°♑	
	-12207 Apr 30 j 04:04	0°♒			-12206 Apr 24 j 09:20	0°♒	
desc. node	-12207 May 15 j 17:28	21°♒20'01		desc. node	-12206 May 02 j 14:52	9°♒31'50	
evening max el	-12207 May 20 j 16:33	26°♒44'41	25°59'34	evening max el	-12206 May 03 j 03:16	10°♒02'42	26°54'14
	-12207 May 24 j 07:09	0°♓		retrograde	-12206 May 16 j 07:10	17°♒32'24	
retrograde	-12207 Jun 02 j 03:39	3°♓59'18		evening set	-12206 May 23 j 00:19	14°♒45'34	
evening set	-12207 Jun 08 j 10:10	1°♓16'43		min. Earth dist.	-12206 May 26 j 21:05	10°♒47'55	0.65256 AU
	-12207 Jun 09 j 18:04	30°♓		inferior conj	-12206 May 28 j 18:08	8°♒34'15	-3°11'03
min. Earth dist.	-12207 Jun 12 j 14:07	26°♒40'26	0.66286 AU	minimum elong	-12206 May 28 j 19:55	8°♒28'56	3°11'06
inferior conj	-12207 Jun 13 j 20:58	25°♒01'59	-2°46'52	morning rise	-12206 Jun 03 j 15:51	2°♒55'20	
minimum elong	-12207 Jun 13 j 23:13	24°♒54'49	2°46'28	direct	-12206 Jun 06 j 17:44	2°♒02'36	
morning rise	-12207 Jun 19 j 12:18	19°♒08'27		asc. node	-12206 Jun 11 j 10:51	3°♒58'04	
direct	-12207 Jun 22 j 21:09	18°♒02'46		morning max el	-12206 Jun 13 j 08:56	5°♒41'45	18°35'03
asc. node	-12207 Jun 24 j 14:06	18°♒18'51			-12206 Jun 29 j 21:51	0°♓	
morning max el	-12207 Jun 29 j 23:19	22°♒05'54	19°17'45	morning set	-12206 Jul 03 j 11:22	5°♓50'02	
	-12207 Jul 06 j 06:44	0°♔					
morning set	-12207 Jul 23 j 04:44	26°♓03'42		superior conj	-12206 Jul 18 j 11:41	0°♓01'25	1°01'28
	-12207 Jul 25 j 16:38	0°♕		minimum elong	-12206 Jul 18 j 18:00	0°♓26'30	1°01'09
max. Earth dist.	-12207 Aug 06 j 13:10	18°♕43'32	1.44465 AU		-12206 Jul 18 j 11:20	0°♕	
				max. Earth dist.	-12206 Jul 20 j 06:07	2°♕49'42	1.44524 AU
superior conj	-12207 Aug 08 j 11:44	21°♕48'19	0°18'18	desc. node	-12206 Jul 29 j 11:20	17°♕23'22	
minimum elong	-12207 Aug 08 j 13:59	21°♕57'13	0°18'36	evening rise	-12206 Aug 03 j 23:43	26°♕05'44	
desc. node	-12207 Aug 11 j 13:57	26°♕43'58			-12206 Aug 06 j 11:04	0°♖	
	-12207 Aug 13 j 14:56	0°♗		evening max el	-12206 Aug 26 j 19:44	29°♖28'56	19°15'19
evening rise	-12207 Aug 23 j 15:43	16°♖17'01			-12206 Aug 27 j 08:09	0°♗	
	-12207 Sep 01 j 01:00	0°♘		retrograde	-12206 Sep 02 j 20:46	3°♗29'53	
evening max el	-12207 Sep 12 j 09:15	15°♗58'39	18°35'24	evening set	-12206 Sep 06 j 02:24	2°♗29'27	
retrograde	-12207 Sep 19 j 01:38	19°♗41'24		asc. node	-12206 Sep 07 j 11:39	1°♗27'43	
asc. node	-12207 Sep 20 j 14:37	19°♗28'10			-12206 Sep 08 j 23:47	30°♗	
evening set	-12207 Sep 21 j 23:20	18°♗54'38		inferior conj	-12206 Sep 11 j 19:40	26°♖37'35	1°20'20
inferior conj	-12207 Sep 28 j 00:26	13°♗15'50	2°12'08	minimum elong	-12206 Sep 11 j 17:49	26°♖43'24	1°20'21

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

min. Earth dist.	-12206 Sep 13 j 04:03	24° Π 55'21	0.65706 AU	min. Earth dist.	-12205 Aug 27 j 17:40	8° Π 56'39	0.66505 AU
morning rise	-12206 Sep 17 j 08:52	20° Π 21'19		morning rise	-12205 Sep 01 j 06:19	3° Π 46'08	
direct	-12206 Sep 23 j 13:08	17° Π 44'56		direct	-12205 Sep 06 j 20:39	1° Π 23'12	
morning max el	-12206 Oct 06 j 03:19	25° Π 04'55	26°11'52	morning max el	-12205 Sep 18 j 13:16	8° Π 20'33	24°59'34
	-12206 Oct 10 j 16:14	0° \mathfrak{C}			-12205 Oct 05 j 15:17	0° \mathfrak{C}	
desc. node	-12206 Oct 25 j 10:15	19° \mathfrak{C} 58'24		desc. node	-12205 Oct 12 j 07:05	10° \mathfrak{C} 01'33	
	-12206 Oct 31 j 18:55	0° Ω		morning set	-12205 Oct 24 j 10:56	0° Ω 13'22	
morning set	-12206 Nov 11 j 02:28	18° Ω 00'40			-12205 Oct 24 j 07:55	0° Ω	
max. Earth dist.	-12206 Nov 15 j 05:53	25° Ω 53'21	1.35718 AU	max. Earth dist.	-12205 Oct 28 j 08:37	7° Ω 16'01	1.37446 AU
	-12206 Nov 17 j 08:01	0° \mathfrak{M}					
superior conj	-12206 Nov 20 j 03:18	5° \mathfrak{M} 38'37	-1°34'59	superior conj	-12205 Nov 03 j 16:51	19° Ω 19'15	-1°37'38
minimum elong	-12206 Nov 20 j 04:20	5° \mathfrak{M} 43'53	1°34'37	minimum elong	-12205 Nov 03 j 16:32	19° Ω 17'46	1°37'08
evening rise	-12206 Nov 27 j 19:38	21° \mathfrak{M} 28'41		evening rise	-12205 Nov 09 j 01:45	0° \mathfrak{M}	
	-12206 Dec 02 j 01:58	0° \mathfrak{A}		asc. node	-12205 Nov 11 j 23:05	5° \mathfrak{M} 48'00	
asc. node	-12206 Dec 04 j 09:55	4° \mathfrak{A} 22'51			-12205 Nov 21 j 07:17	23° \mathfrak{M} 12'22	
evening max el	-12206 Dec 16 j 13:28	21° \mathfrak{A} 31'36	20°30'01	evening max el	-12205 Nov 25 j 23:39	0° \mathfrak{A}	
retrograde	-12206 Dec 27 j 05:54	26° \mathfrak{A} 32'34		retrograde	-12205 Nov 29 j 03:39	3° \mathfrak{A} 29'33	19°24'24
evening set	-12206 Dec 29 j 22:10	26° \mathfrak{A} 14'59		evening set	-12205 Dec 08 j 07:46	7° \mathfrak{A} 50'17	
inferior conj	-12205 Jan 07 j 15:36	22° \mathfrak{A} 15'06	3°12'46	inferior conj	-12205 Dec 10 j 20:26	7° \mathfrak{A} 31'59	
minimum elong	-12205 Jan 07 j 21:20	22° \mathfrak{A} 06'35	3°11'16	minimum elong	-12205 Dec 19 j 02:10	3° \mathfrak{A} 21'25	4°04'11
min. Earth dist.	-12205 Jan 09 j 05:52	21° \mathfrak{A} 18'16	0.55844 AU	min. Earth dist.	-12205 Dec 19 j 05:20	3° \mathfrak{A} 16'08	4°03'50
morning rise	-12205 Jan 16 j 18:59	17° \mathfrak{A} 50'59			-12205 Dec 21 j 19:32	1° \mathfrak{A} 33'14	0.56992 AU
direct	-12205 Jan 20 j 09:05	17° \mathfrak{A} 22'41		morning rise	-12205 Dec 21 j 09:23	30° \mathfrak{R} \mathfrak{M}	
desc. node	-12205 Jan 21 j 12:12	17° \mathfrak{A} 25'34		direct	-12205 Dec 27 j 12:06	28° \mathfrak{M} 33'04	
morning max el	-12205 Feb 02 j 18:08	23° \mathfrak{A} 58'16	23°07'44	desc. node	-12204 Jan 01 j 10:47	27° \mathfrak{M} 37'03	
	-12205 Feb 08 j 03:30	0° \mathfrak{M}			-12204 Jan 08 j 08:51	29° \mathfrak{M} 26'40	
morning set	-12205 Feb 25 j 16:49	0° \mathfrak{A} 23'16		morning max el	-12204 Jan 09 j 09:01	0° \mathfrak{A}	
	-12205 Feb 25 j 12:22	0° \mathfrak{A}			-12204 Jan 15 j 09:07	4° \mathfrak{A} 39'37	24°44'00
asc. node	-12205 Mar 02 j 07:36	10° \mathfrak{A} 11'16		morning set	-12204 Feb 02 j 09:13	0° \mathfrak{M}	
					-12204 Feb 10 j 05:21	15° \mathfrak{M} 28'01	
superior conj	-12205 Mar 04 j 20:19	15° \mathfrak{A} 35'35	0°23'39		-12204 Feb 16 j 23:37	0° \mathfrak{A}	
minimum elong	-12205 Mar 04 j 19:19	15° \mathfrak{A} 30'19	0°22'46	superior conj	-12204 Feb 17 j 05:11	0° \mathfrak{A} 30'09	0°00'09
max. Earth dist.	-12205 Mar 07 j 06:29	20° \mathfrak{A} 42'53	1.33926 AU	minimum elong	-12204 Feb 17 j 05:12	0° \mathfrak{A} 30'15	0°00'28
	-12205 Mar 11 j 19:13	0° \mathfrak{B}		behind sun begin	-12204 Feb 17 j 00:07	0° \mathfrak{A} 02'45	
evening rise	-12205 Mar 12 j 14:57	1° \mathfrak{B} 38'08		behind sun end	-12204 Feb 17 j 10:17	0° \mathfrak{A} 57'45	
	-12205 Mar 28 j 16:30	0° \mathfrak{A}		asc. node	-12204 Feb 17 j 04:48	0° \mathfrak{A} 28'07	
evening max el	-12205 Apr 15 j 13:43	23° \mathfrak{A} 06'17	27°23'47	max. Earth dist.	-12204 Feb 18 j 14:11	3° \mathfrak{A} 28'14	1.33223 AU
desc. node	-12205 Apr 19 j 12:10	26° \mathfrak{A} 33'51		evening rise	-12204 Feb 24 j 14:34	16° \mathfrak{A} 05'39	
	-12205 Apr 25 j 10:44	0° \mathfrak{H}			-12204 Mar 02 j 19:47	0° \mathfrak{B}	
retrograde	-12205 Apr 29 j 05:13	0° \mathfrak{H} 41'38			-12204 Mar 22 j 14:44	0° \mathfrak{A}	
	-12205 May 02 j 19:03	30° \mathfrak{R} \mathfrak{A}		evening max el	-12204 Mar 27 j 22:00	5° \mathfrak{A} 44'43	27°22'43
evening set	-12205 May 06 j 03:33	28° \mathfrak{A} 02'43		desc. node	-12204 Apr 05 j 09:23	11° \mathfrak{A} 58'41	
min. Earth dist.	-12205 May 09 j 19:57	24° \mathfrak{A} 38'34	0.63826 AU	retrograde	-12204 Apr 10 j 20:53	13° \mathfrak{A} 18'20	
inferior conj	-12205 May 12 j 07:39	21° \mathfrak{A} 57'31	-3°24'10	evening set	-12204 Apr 17 j 16:34	11° \mathfrak{A} 00'47	
minimum elong	-12205 May 12 j 08:24	21° \mathfrak{A} 55'29	3°24'37	min. Earth dist.	-12204 Apr 21 j 09:56	7° \mathfrak{A} 59'59	0.62057 AU
morning rise	-12205 May 18 j 14:05	16° \mathfrak{A} 35'27		inferior conj	-12204 Apr 24 j 10:29	5° \mathfrak{A} 05'52	-3°22'27
direct	-12205 May 21 j 10:19	15° \mathfrak{A} 53'57		minimum elong	-12204 Apr 24 j 09:38	5° \mathfrak{A} 07'54	3°23'01
morning max el	-12205 May 27 j 21:56	19° \mathfrak{A} 19'25	18°09'40	morning rise	-12204 May 01 j 04:18	0° \mathfrak{A} 02'20	
asc. node	-12205 May 29 j 07:37	20° \mathfrak{A} 50'08			-12204 May 01 j 06:43	30° \mathfrak{R} \mathfrak{B}	
	-12205 Jun 04 j 19:52	0° \mathfrak{H}		direct	-12204 May 03 j 19:48	29° \mathfrak{B} 30'29	
morning set	-12205 Jun 14 j 19:18	16° \mathfrak{H} 46'23			-12204 May 06 j 08:02	0° \mathfrak{A}	
	-12205 Jun 22 j 14:49	0° \mathfrak{Y}		morning max el	-12204 May 10 j 11:51	2° \mathfrak{A} 53'15	18°02'27
superior conj	-12205 Jun 27 j 23:11	8° \mathfrak{Y} 49'30	1°32'38	asc. node	-12204 May 15 j 04:27	8° \mathfrak{A} 39'42	
minimum elong	-12205 Jun 28 j 04:42	9° \mathfrak{Y} 11'59	1°32'21	morning set	-12204 May 27 j 01:52	28° \mathfrak{A} 47'43	
max. Earth dist.	-12205 Jul 02 j 20:58	16° \mathfrak{Y} 45'24	1.43887 AU		-12204 May 27 j 18:00	0° \mathfrak{H}	
	-12205 Jul 11 j 05:56	0° \mathfrak{B}		superior conj	-12204 Jun 07 j 11:50	18° \mathfrak{H} 51'28	1°47'25
evening rise	-12205 Jul 14 j 07:29	4° \mathfrak{B} 46'36		minimum elong	-12204 Jun 07 j 13:40	18° \mathfrak{H} 59'15	1°47'12
desc. node	-12205 Jul 16 j 08:48	7° \mathfrak{B} 57'41			-12204 Jun 14 j 03:46	0° \mathfrak{Y}	
	-12205 Jul 30 j 23:01	0° \mathfrak{H}		max. Earth dist.	-12204 Jun 14 j 07:09	0° \mathfrak{Y} 13'51	1.42655 AU
evening max el	-12205 Aug 10 j 00:55	12° \mathfrak{H} 57'32	20°10'54	evening rise	-12204 Jun 22 j 07:52	13° \mathfrak{Y} 06'28	
retrograde	-12205 Aug 17 j 17:32	17° \mathfrak{H} 25'54		desc. node	-12204 Jul 02 j 06:19	28° \mathfrak{Y} 22'46	
evening set	-12205 Aug 21 j 09:18	16° \mathfrak{H} 08'33			-12204 Jul 03 j 08:16	0° \mathfrak{B}	
asc. node	-12205 Aug 25 j 08:37	12° \mathfrak{H} 04'24		evening max el	-12204 Jul 22 j 23:19	26° \mathfrak{B} 21'51	21°19'56
inferior conj	-12205 Aug 26 j 20:35	10° \mathfrak{H} 06'48	0°28'13		-12204 Jul 27 j 07:10	0° \mathfrak{H}	
minimum elong	-12205 Aug 26 j 19:56	10° \mathfrak{H} 08'57	0°28'38	retrograde	-12204 Jul 31 j 13:47	1° \mathfrak{H} 25'56	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12204 Aug 04 j 11:56	30° RB		inferior conj	-12203 Jul 25 j 07:13	7° B 16'25	-1°09'30
evening set	-12204 Aug 04 j 17:48	29° B 48'50		minimum elong	-12203 Jul 25 j 08:35	7° B 11'42	1°08'34
inferior conj	-12204 Aug 10 j 01:03	23° B 40'09	-0°22'15	min. Earth dist.	-12203 Jul 25 j 07:04	7° B 16'57	0.67239 AU
minimum elong	-12204 Aug 10 j 01:30	23° B 38'34	0°21'30	asc. node	-12203 Jul 29 j 02:26	2° B 25'39	
min. Earth dist.	-12204 Aug 10 j 11:29	23° B 04'19	0.67017 AU	morning rise	-12203 Jul 30 j 15:07	0° B 58'56	
asc. node	-12204 Aug 11 j 05:33	22° B 02'52			-12203 Aug 01 j 01:42	30° RY	
morning rise	-12204 Aug 15 j 09:03	17° B 19'06		direct	-12203 Aug 04 j 02:09	29° Y 11'24	
direct	-12204 Aug 20 j 09:16	15° B 13'17			-12203 Aug 07 j 07:56	0° B	
morning max el	-12204 Aug 30 j 23:24	21° B 35'27	23°37'19	morning max el	-12203 Aug 13 j 12:19	4° B 51'20	22°13'45
	-12204 Sep 07 j 05:05	0° II			-12203 Sep 01 j 12:13	0° II	
	-12204 Sep 27 j 22:45	0° B		morning set	-12203 Sep 15 j 02:51	20° II 58'31	
desc. node	-12204 Sep 28 j 04:01	0° B 20'53		desc. node	-12203 Sep 15 j 01:02	20° II 51'16	
morning set	-12204 Oct 04 j 20:06	11° B 14'30			-12203 Sep 20 j 15:21	0° B	
max. Earth dist.	-12204 Oct 09 j 07:07	18° B 52'51	1.39405 AU	max. Earth dist.	-12203 Sep 21 j 08:34	1° B 11'52	1.41344 AU
	-12204 Oct 15 j 11:40	0° Q					
				superior conj	-12203 Sep 28 j 21:37	14° B 10'31	-1°15'57
superior conj	-12204 Oct 16 j 16:42	2° Q 14'36	-1°32'02	minimum elong	-12203 Sep 28 j 17:51	13° B 53'54	1°14'54
minimum elong	-12204 Oct 16 j 14:36	2° Q 04'50	1°31'18		-12203 Oct 07 j 14:38	0° Q	
evening rise	-12204 Oct 25 j 19:33	19° Q 41'41		evening rise	-12203 Oct 09 j 05:59	3° Q 02'30	
	-12204 Oct 31 j 06:04	0° M		asc. node	-12203 Oct 25 j 01:54	28° Q 32'06	
asc. node	-12204 Nov 07 j 04:37	11° M 19'44		evening max el	-12203 Oct 25 j 11:07	28° Q 55'23	18°13'12
evening max el	-12204 Nov 11 j 03:37	15° M 59'46	18°38'40		-12203 Oct 26 j 15:21	0° M	
retrograde	-12204 Nov 19 j 02:35	19° M 52'27		retrograde	-12203 Nov 01 j 14:41	2° M 32'41	
evening set	-12204 Nov 21 j 14:02	19° M 31'17		evening set	-12203 Nov 04 j 02:22	2° M 07'12	
inferior conj	-12204 Nov 29 j 07:01	15° M 01'30	4°17'04		-12203 Nov 07 j 22:55	30° RQ	
minimum elong	-12204 Nov 29 j 06:28	15° M 02'34	4°17'16	inferior conj	-12203 Nov 11 j 06:49	27° Q 15'31	4°00'50
min. Earth dist.	-12204 Dec 02 j 11:28	12° M 36'19	0.58640 AU	minimum elong	-12203 Nov 11 j 03:47	27° Q 22'12	4°00'51
morning rise	-12204 Dec 06 j 21:01	9° M 50'46		min. Earth dist.	-12203 Nov 14 j 08:59	24° Q 33'09	0.60479 AU
direct	-12204 Dec 13 j 00:23	8° M 17'34		morning rise	-12203 Nov 18 j 03:46	21° Q 45'07	
desc. node	-12204 Dec 25 j 05:29	13° M 53'37		direct	-12203 Nov 25 j 00:06	19° Q 37'14	
morning max el	-12204 Dec 27 j 01:16	15° M 33'02	26°08'28	morning max el	-12203 Dec 08 j 23:14	27° Q 00'07	27°07'33
	-12203 Jan 07 j 19:04	0° Q			-12203 Dec 11 j 21:11	0° M	
	-12203 Jan 24 j 11:09	0° M		desc. node	-12203 Dec 12 j 02:05	0° M 13'29	
morning set	-12203 Jan 24 j 17:09	0° M 31'24			-12202 Jan 01 j 04:45	0° Q	
				morning set	-12202 Jan 09 j 02:19	15° Q 26'06	
superior conj	-12203 Jan 31 j 16:26	15° M 32'47	-0°22'34	max. Earth dist.	-12202 Jan 15 j 16:04	29° Q 29'46	1.32807 AU
minimum elong	-12203 Jan 31 j 17:21	15° M 37'47	0°22'54		-12202 Jan 15 j 21:36	0° M	
max. Earth dist.	-12203 Feb 01 j 02:37	16° M 28'18	1.32851 AU				
asc. node	-12203 Feb 03 j 02:04	20° M 46'25		superior conj	-12202 Jan 16 j 04:19	0° M 36'39	-0°43'46
	-12203 Feb 07 j 10:09	0° J		minimum elong	-12202 Jan 16 j 05:55	0° M 45'23	0°43'50
evening rise	-12203 Feb 07 j 20:05	0° J 51'29		asc. node	-12202 Jan 20 j 23:22	11° M 01'31	
	-12203 Feb 23 j 23:06	0° B		evening rise	-12202 Jan 23 j 05:15	15° M 47'05	
evening max el	-12203 Mar 10 j 02:04	17° B 49'25	26°48'51		-12202 Jan 30 j 09:52	0° J	
desc. node	-12203 Mar 23 j 06:31	25° B 13'18		evening max el	-12202 Feb 20 j 00:26	29° J 16'29	25°44'51
retrograde	-12203 Mar 24 j 04:39	25° B 15'30			-12202 Feb 20 j 19:05	0° B	
evening set	-12203 Mar 30 j 12:18	23° B 29'42		retrograde	-12202 Mar 06 j 02:20	6° B 29'23	
min. Earth dist.	-12203 Apr 03 j 15:25	20° B 38'45	0.60092 AU	desc. node	-12202 Mar 10 j 03:33	5° B 49'38	
inferior conj	-12203 Apr 06 j 23:07	17° B 51'48	-3°00'39	evening set	-12202 Mar 11 j 13:06	5° B 18'01	
minimum elong	-12203 Apr 06 j 20:31	17° B 57'18	3°00'57	min. Earth dist.	-12202 Mar 16 j 13:48	2° B 23'04	0.58164 AU
morning rise	-12203 Apr 14 j 07:13	13° B 07'50		inferior conj	-12202 Mar 19 j 17:56	0° B 05'17	-2°12'38
direct	-12203 Apr 16 j 18:23	12° B 44'09		minimum elong	-12202 Mar 19 j 14:25	0° B 11'43	2°12'32
morning max el	-12203 Apr 23 j 23:59	16° B 16'29	18°14'05		-12202 Mar 19 j 20:51	30° RJ	
asc. node	-12203 May 02 j 01:19	27° B 14'03		morning rise	-12202 Mar 27 j 18:54	25° J 40'50	
	-12203 May 03 j 16:10	0° \approx		direct	-12202 Mar 30 j 01:50	25° J 23'47	
morning set	-12203 May 10 j 02:23	11° \approx 44'07		morning max el	-12202 Apr 07 j 07:23	29° J 19'29	18°45'09
					-12202 Apr 07 j 23:48	0° B	
superior conj	-12203 May 20 j 02:55	0° K 12'55	1°47'45	asc. node	-12202 Apr 18 j 22:12	16° B 21'59	
minimum elong	-12203 May 20 j 01:38	0° K 07'07	1°47'20	morning set	-12202 Apr 23 j 16:12	25° B 23'19	
	-12203 May 20 j 00:03	0° K			-12202 Apr 26 j 01:09	0° \approx	
max. Earth dist.	-12203 May 27 j 12:08	13° K 05'46	1.40997 AU				
evening rise	-12203 Jun 01 j 23:43	22° K 12'16		superior conj	-12202 May 02 j 15:41	12° \approx 41'10	1°37'42
	-12203 Jun 06 j 20:37	0° Y		minimum elong	-12202 May 02 j 12:53	12° \approx 27'58	1°36'56
desc. node	-12203 Jun 19 j 03:50	18° Y 34'10		max. Earth dist.	-12202 May 09 j 13:03	25° \approx 17'19	1.39133 AU
	-12203 Jun 27 j 10:08	0° B			-12202 May 12 j 05:36	0° K	
evening max el	-12203 Jul 05 j 15:08	9° B 42'51	22°38'32	evening rise	-12202 May 13 j 18:20	2° K 37'44	
retrograde	-12203 Jul 15 j 08:01	15° B 28'08			-12202 May 31 j 02:10	0° Y	
evening set	-12203 Jul 20 j 01:57	13° B 29'39		desc. node	-12202 Jun 06 j 01:22	8° Y 25'31	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening max el	-12202 Jun 18 j 02:17	23° Υ 02'28	24°00'56	evening set	-12201 Jun 18 j 09:28	10° Υ 48'00	
retrograde	-12202 Jun 28 j 23:10	29° Υ 29'07		min. Earth dist.	-12201 Jun 22 j 18:09	5° Υ 49'14	0.66706 AU
evening set	-12202 Jul 04 j 07:50	27° Υ 09'54		inferior conj	-12201 Jun 23 j 17:33	4° Υ 32'10	-2°28'57
min. Earth dist.	-12202 Jul 09 j 02:03	21° Υ 32'46	0.67145 AU	minimum elong	-12201 Jun 23 j 19:49	4° Υ 24'40	2°28'20
inferior conj	-12202 Jul 09 j 13:19	20° Υ 54'20	-1°52'10		-12201 Jun 27 j 12:23	30° \Re H	
minimum elong	-12202 Jul 09 j 15:19	20° Υ 47'31	1°51'17	morning rise	-12201 Jun 29 j 06:13	28° H 31'42	
morning rise	-12202 Jul 14 j 22:45	14° Υ 43'49		direct	-12201 Jul 02 j 19:43	27° H 17'58	
asc. node	-12202 Jul 15 j 23:14	14° Υ 03'18		asc. node	-12201 Jul 02 j 19:59	27° H 17'58	
direct	-12202 Jul 18 j 22:04	13° Υ 14'02			-12201 Jul 08 j 13:37	0° Υ	
morning max el	-12202 Jul 27 j 06:37	18° Υ 11'57	20°56'07	morning max el	-12201 Jul 10 j 07:22	1° Υ 39'08	19°49'32
	-12202 Aug 05 j 16:06	0° B			-12201 Jul 30 j 08:31	0° B	
morning set	-12202 Aug 25 j 12:05	29° B 43'27		morning set	-12201 Aug 04 j 15:42	8° B 14'28	
	-12202 Aug 25 j 16:19	0° II		max. Earth dist.	-12201 Aug 17 j 05:15	28° B 01'05	1.44105 AU
desc. node	-12202 Sep 01 j 22:10	11° II 28'46			-12201 Aug 18 j 11:04	0° II	
max. Earth dist.	-12202 Sep 03 j 16:16	14° II 18'52	1.42982 AU	desc. node	-12201 Aug 19 j 19:25	2° II 09'32	
superior conj	-12202 Sep 10 j 01:52	24° II 52'33	-0°47'37	superior conj	-12201 Aug 21 j 02:24	4° II 14'06	-0°07'44
minimum elong	-12202 Sep 09 j 21:58	24° II 36'13	0°46'26	minimum elong	-12201 Aug 21 j 01:36	4° II 10'54	0°06'59
	-12202 Sep 13 j 02:30	0° B		behind sun begin	-12201 Aug 20 j 15:43	3° II 31'05	
evening rise	-12202 Sep 22 j 02:18	15° B 41'04		behind sun end	-12201 Aug 21 j 11:30	4° II 50'46	
	-12202 Sep 30 j 07:23	0° Ω		evening rise	-12201 Sep 04 j 03:13	27° II 23'43	
evening max el	-12202 Oct 08 j 23:12	12° Ω 08'55	18°07'19		-12201 Sep 05 j 16:17	0° B	
asc. node	-12202 Oct 11 j 23:08	14° Ω 34'17		evening max el	-12201 Sep 22 j 12:53	25° B 32'54	18°20'04
retrograde	-12202 Oct 15 j 16:31	15° Ω 41'32		asc. node	-12201 Sep 28 j 20:18	29° B 09'13	
evening set	-12202 Oct 18 j 06:14	15° Ω 09'57		retrograde	-12201 Sep 29 j 03:41	29° B 09'43	
inferior conj	-12202 Oct 24 j 23:00	9° Ω 57'46	3°26'07	evening set	-12201 Oct 01 j 21:43	28° B 29'30	
minimum elong	-12202 Oct 24 j 19:10	10° Ω 07'22	3°25'49	inferior conj	-12201 Oct 08 j 04:07	22° B 59'40	2°40'50
min. Earth dist.	-12202 Oct 27 j 15:32	7° Ω 17'00	0.62255 AU	minimum elong	-12201 Oct 08 j 00:38	23° B 09'21	2°40'28
morning rise	-12202 Oct 31 j 07:03	4° Ω 10'09		min. Earth dist.	-12201 Oct 10 j 08:15	20° B 34'49	0.63824 AU
direct	-12202 Nov 07 j 08:25	1° Ω 38'10		morning rise	-12201 Oct 14 j 02:46	16° B 58'00	
morning max el	-12202 Nov 21 j 03:39	9° Ω 07'35	27°33'20	direct	-12201 Oct 21 j 00:15	14° B 15'02	
desc. node	-12202 Nov 28 j 22:41	17° Ω 55'28		morning max el	-12201 Nov 03 j 12:17	21° B 47'47	27°24'36
	-12202 Dec 07 j 11:42	0° M			-12201 Nov 10 j 19:58	0° Ω	
morning set	-12202 Dec 24 j 06:47	0° A 04'42		desc. node	-12201 Nov 15 j 19:18	6° Ω 35'06	
	-12202 Dec 24 j 05:51	0° A			-12201 Nov 30 j 13:14	0° M	
max. Earth dist.	-12202 Dec 30 j 02:46	12° A 19'14	1.33105 AU	morning set	-12201 Dec 08 j 03:51	14° M 17'02	
				max. Earth dist.	-12201 Dec 13 j 06:45	24° M 42'45	1.33783 AU
superior conj	-12202 Dec 31 j 15:11	15° A 35'51	-1°02'43	superior conj	-12201 Dec 15 j 23:10	0° A 22'49	-1°18'39
minimum elong	-12202 Dec 31 j 17:10	15° A 46'38	1°02'36	minimum elong	-12201 Dec 16 j 01:10	0° A 33'30	1°18'24
	-12201 Jan 07 j 07:34	0° M			-12201 Dec 15 j 18:53	0° A	
evening rise	-12201 Jan 07 j 16:15	0° M 45'45		evening rise	-12201 Dec 23 j 03:19	15° A 40'14	
asc. node	-12201 Jan 07 j 20:42	1° M 09'03		asc. node	-12201 Dec 25 j 18:03	21° A 03'11	
	-12201 Jan 24 j 01:52	0° A			-12201 Dec 30 j 09:30	0° M	
evening max el	-12201 Feb 01 j 18:17	10° A 15'28	24°19'27	evening max el	-12200 Jan 14 j 11:59	21° M 07'01	22°45'32
retrograde	-12201 Feb 15 j 12:25	17° A 05'45		retrograde	-12200 Jan 27 j 10:34	27° M 20'41	
evening set	-12201 Feb 19 j 21:25	16° A 22'49		evening set	-12200 Jan 30 j 20:36	26° M 55'06	
desc. node	-12201 Feb 25 j 00:27	13° A 58'38		min. Earth dist.	-12200 Feb 07 j 23:12	23° M 14'57	0.55624 AU
min. Earth dist.	-12201 Feb 26 j 07:38	13° A 11'26	0.56576 AU	inferior conj	-12200 Feb 08 j 22:40	22° M 40'52	0°45'04
inferior conj	-12201 Feb 28 j 16:58	11° A 40'36	-0°55'07	minimum elong	-12200 Feb 09 j 00:33	22° M 38'08	0°43'54
minimum elong	-12201 Feb 28 j 14:53	11° A 43'55	0°55'11	desc. node	-12200 Feb 11 j 21:14	21° M 01'29	
morning rise	-12201 Mar 09 j 11:21	7° A 31'55		morning rise	-12200 Feb 18 j 05:53	18° M 37'26	
direct	-12201 Mar 11 j 15:11	7° A 19'12		direct	-12200 Feb 20 j 12:32	18° M 25'06	
morning max el	-12201 Mar 21 j 07:04	11° A 53'14	19°35'56	morning max el	-12200 Mar 02 j 20:24	23° M 49'00	20°46'03
	-12201 Apr 02 j 17:01	0° B			-12200 Mar 08 j 04:37	0° A	
asc. node	-12201 Apr 05 j 19:07	5° B 55'26		morning set	-12200 Mar 21 j 21:23	24° A 11'47	
morning set	-12201 Apr 07 j 15:31	9° B 35'23		asc. node	-12200 Mar 22 j 16:08	25° A 47'49	
					-12200 Mar 24 j 16:59	0° B	
superior conj	-12201 Apr 15 j 20:43	26° B 01'25	1°20'53	superior conj	-12200 Mar 29 j 13:28	10° B 00'33	1°00'05
minimum elong	-12201 Apr 15 j 17:41	25° B 46'31	1°19'52	minimum elong	-12200 Mar 29 j 10:59	9° B 47'50	0°58'59
	-12201 Apr 17 j 21:38	0° \approx		max. Earth dist.	-12200 Apr 02 j 22:12	18° B 45'23	1.35732 AU
max. Earth dist.	-12201 Apr 21 j 14:16	7° \approx 01'07	1.37313 AU	evening rise	-12200 Apr 07 j 08:05	27° B 12'58	
evening rise	-12201 Apr 25 j 14:55	14° \approx 22'48			-12200 Apr 08 j 20:09	0° \approx	
	-12201 May 04 j 18:51	0° H			-12200 Apr 27 j 02:34	0° H	
desc. node	-12201 May 23 j 22:52	27° H 48'17		desc. node	-12200 May 09 j 20:17	16° H 30'44	
	-12201 May 25 j 17:39	0° Υ		evening max el	-12200 May 12 j 21:52	19° H 44'15	26°25'26
evening max el	-12201 May 31 j 11:44	6° Υ 23'10	25°19'27				
retrograde	-12201 Jun 12 j 10:27	13° Υ 24'13					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

retrograde	-12200 May 25 j 17:09	27° H 07'29		evening max el	-12199 Apr 25 j 08:50	2° H 58'14	27°10'22
evening set	-12200 Jun 01 j 04:35	24° H 21'43		desc. node	-12199 Apr 26 j 17:38	4° H 16'00	
min. Earth dist.	-12200 Jun 05 j 05:11	20° H 02'04	0.65893 AU	retrograde	-12199 May 08 j 18:30	10° H 31'17	
inferior conj	-12200 Jun 06 j 17:58	18° H 07'51	-2°58'19	evening set	-12199 May 15 j 14:29	7° H 46'32	
minimum elong	-12200 Jun 06 j 20:05	18° H 01'16	2°58'07	min. Earth dist.	-12199 May 19 j 09:02	4° H 03'43	0.64691 AU
morning rise	-12200 Jun 12 j 11:45	12° H 20'10		inferior conj	-12199 May 21 j 12:14	1° H 37'19	-3°18'12
direct	-12200 Jun 15 j 17:19	11° H 20'24		minimum elong	-12199 May 21 j 13:40	1° H 33'13	3°18'26
asc. node	-12200 Jun 18 j 16:43	12° H 08'11			-12199 May 22 j 22:51	30° R	
morning max el	-12200 Jun 22 j 14:09	15° H 12'35	18°57'30	morning rise	-12199 May 27 j 13:20	26° R 05'00	
	-12200 Jul 03 j 10:18	0° Y		direct	-12199 May 30 j 12:40	25° R 17'12	
morning set	-12200 Jul 14 j 09:03	17° Y 24'09		asc. node	-12199 Jun 05 j 13:28	28° R 20'13	
	-12200 Jul 22 j 06:46	0° B		morning max el	-12199 Jun 06 j 01:25	28° R 49'27	18°22'00
					-12199 Jun 07 j 03:50	0° H	
superior conj	-12200 Jul 30 j 06:08	12° B 37'43	0°37'28	morning set	-12199 Jun 25 j 02:31	27° H 40'19	
minimum elong	-12200 Jul 30 j 10:32	12° B 55'10	0°37'25		-12199 Jun 26 j 12:06	0° Y	
max. Earth dist.	-12200 Jul 29 j 21:10	12° B 02'16	1.44574 AU				
desc. node	-12200 Aug 05 j 16:47	22° B 50'43		superior conj	-12199 Jul 09 j 08:26	20° Y 58'20	1°16'37
	-12200 Aug 10 j 04:26	0° II		minimum elong	-12199 Jul 09 j 15:01	21° Y 24'44	1°16'15
evening rise	-12200 Aug 15 j 03:08	7° II 56'36		max. Earth dist.	-12199 Jul 12 j 13:26	26° Y 05'32	1.44340 AU
	-12200 Aug 29 j 01:34	0° B			-12199 Jul 15 j 00:34	0° B	
evening max el	-12200 Sep 05 j 01:23	9° B 02'41	18°50'24	desc. node	-12199 Jul 23 j 14:13	13° B 28'30	
retrograde	-12200 Sep 11 j 20:42	12° B 52'08		evening rise	-12199 Jul 25 j 23:40	17° B 13'08	
evening set	-12200 Sep 14 j 21:26	12° B 00'07			-12199 Aug 03 j 04:54	0° II	
asc. node	-12200 Sep 14 j 17:22	12° B 05'44		greatest brilliancy	-12199 Aug 06 j 01:20	4° II 22'28	-0.7m
inferior conj	-12200 Sep 20 j 19:00	6° B 15'38	1°50'21	evening max el	-12199 Aug 19 j 09:57	22° II 32'59	19°37'12
minimum elong	-12200 Sep 20 j 16:30	6° B 23'15	1°50'10	retrograde	-12199 Aug 26 j 16:41	26° II 44'04	
min. Earth dist.	-12200 Sep 22 j 10:28	4° B 16'05	0.65113 AU	evening set	-12199 Aug 30 j 02:26	25° II 36'47	
morning rise	-12200 Sep 26 j 11:02	0° B 03'40		asc. node	-12199 Sep 01 j 14:23	23° II 26'06	
	-12200 Sep 26 j 12:47	30° R II		inferior conj	-12199 Sep 04 j 16:56	19° II 40'35	0°58'06
direct	-12200 Oct 02 j 22:46	27° II 21'53		minimum elong	-12199 Sep 04 j 15:36	19° II 44'54	0°58'18
	-12200 Oct 10 j 04:25	0° B		min. Earth dist.	-12199 Sep 05 j 20:26	18° II 11'38	0.66091 AU
morning max el	-12200 Oct 15 j 22:26	4° B 49'41	26°45'21	morning rise	-12199 Sep 10 j 04:27	13° II 22'12	
desc. node	-12200 Nov 01 j 16:01	25° B 56'12		direct	-12199 Sep 16 j 03:04	10° II 50'44	
	-12200 Nov 04 j 08:41	0° Q		morning max el	-12199 Sep 28 j 08:27	18° II 02'04	25°42'46
morning set	-12200 Nov 20 j 14:12	27° Q 52'47			-12199 Oct 08 j 12:17	0° B	
	-12200 Nov 21 j 16:44	0° P		desc. node	-12199 Oct 19 j 12:50	15° B 46'43	
max. Earth dist.	-12200 Nov 25 j 00:55	6° P 34'18	1.34888 AU		-12199 Oct 28 j 08:05	0° Q	
				morning set	-12199 Nov 03 j 09:33	10° Q 39'33	
superior conj	-12200 Nov 29 j 02:13	14° P 50'57	-1°30'31	max. Earth dist.	-12199 Nov 07 j 08:38	18° Q 01'55	1.36414 AU
minimum elong	-12200 Nov 29 j 03:46	14° P 58'58	1°30'11				
	-12200 Dec 06 j 07:59	0° A		superior conj	-12199 Nov 12 j 21:40	28° Q 52'00	-1°36'59
evening rise	-12200 Dec 06 j 12:54	0° A 25'26		minimum elong	-12199 Nov 12 j 22:12	28° Q 54'41	1°36'35
asc. node	-12200 Dec 11 j 15:26	10° A 38'09			-12199 Nov 13 j 11:13	0° P	
	-12200 Dec 24 j 06:16	0° M		evening rise	-12199 Nov 20 j 19:11	14° P 56'07	
evening max el	-12200 Dec 26 j 11:04	2° M 14'30	21°15'50	asc. node	-12199 Nov 28 j 12:48	29° P 46'53	
retrograde	-12199 Jan 07 j 01:00	7° M 41'26			-12199 Nov 28 j 15:49	0° A	
evening set	-12199 Jan 09 j 21:24	7° M 22'49		evening max el	-12199 Dec 08 j 19:20	13° A 52'43	19°59'48
inferior conj	-12199 Jan 18 j 20:09	3° M 23'20	2°25'42	retrograde	-12199 Dec 18 j 19:23	18° A 34'53	
minimum elong	-12199 Jan 19 j 01:34	3° M 15'33	2°23'51	evening set	-12199 Dec 21 j 09:58	18° A 17'10	
min. Earth dist.	-12199 Jan 19 j 13:20	2° M 58'41	0.55516 AU	inferior conj	-12199 Dec 29 j 22:40	14° A 14'22	3°39'36
	-12199 Jan 25 j 11:14	30° R A		minimum elong	-12199 Dec 30 j 03:42	14° A 06'35	3°38'34
morning rise	-12199 Jan 28 j 04:55	29° A 10'18		min. Earth dist.	-12198 Jan 01 j 02:26	12° A 54'31	0.56252 AU
desc. node	-12199 Jan 28 j 17:58	29° A 03'55		morning rise	-12198 Jan 07 j 19:32	9° A 40'29	
direct	-12199 Jan 31 j 03:40	28° A 51'00		direct	-12198 Jan 11 j 23:29	9° A 02'01	
	-12199 Feb 05 j 14:38	0° M		desc. node	-12198 Jan 15 j 14:39	9° A 32'08	
morning max el	-12199 Feb 12 j 22:18	5° M 04'12	22°12'50	morning max el	-12198 Jan 25 j 15:27	15° A 50'42	23°49'13
	-12199 Mar 01 j 19:10	0° X			-12198 Feb 05 j 19:35	0° M	
morning set	-12199 Mar 06 j 07:24	9° X 04'49		morning set	-12198 Feb 18 j 19:36	24° M 07'50	
asc. node	-12199 Mar 09 j 13:12	15° X 53'30			-12198 Feb 21 j 13:59	0° X	
				asc. node	-12198 Feb 24 j 10:24	6° X 07'57	
superior conj	-12199 Mar 13 j 14:29	24° X 27'43	0°37'12				
minimum elong	-12199 Mar 13 j 12:54	24° X 19'24	0°36'12	superior conj	-12198 Feb 25 j 21:08	9° X 14'47	0°13'39
	-12199 Mar 16 j 06:18	0° B		minimum elong	-12198 Feb 25 j 20:35	9° X 11'48	0°12'52
max. Earth dist.	-12199 Mar 16 j 16:25	0° B 51'59	1.34485 AU	behind sun begin	-12198 Feb 25 j 17:34	8° X 55'37	
evening rise	-12199 Mar 21 j 16:21	10° B 51'28		behind sun end	-12198 Feb 25 j 23:36	9° X 27'58	
	-12199 Apr 01 j 06:08	0° R		max. Earth dist.	-12198 Feb 27 j 20:16	13° X 26'24	1.33587 AU
	-12199 Apr 22 j 12:18	0° H		evening rise	-12198 Mar 05 j 11:24	25° X 04'48	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12198 Mar 07 j 23:23	0°☿		minimum elong	-12197 Feb 10 j 07:39	24°☿15'42	0°10'08
	-12198 Mar 25 j 18:39	0°☿		behind sun begin	-12197 Feb 10 j 03:46	23°☿15'43	
evening max el	-12198 Apr 07 j 18:55	15°☿53'45	27°27'20	behind sun end	-12197 Feb 10 j 11:32	24°☿16'50	
desc. node	-12198 Apr 13 j 14:53	20°☿41'09		asc. node	-12197 Feb 11 j 07:38	26°☿25'56	
retrograde	-12198 Apr 21 j 13:43	23°☿28'08		max. Earth dist.	-12197 Feb 11 j 06:33	26°☿20'04	1.33023 AU
evening set	-12198 Apr 28 j 12:05	20°☿56'57			-12197 Feb 12 j 23:18	0°☿	
min. Earth dist.	-12198 May 02 j 04:11	17°☿44'11	0.63116 AU	evening rise	-12197 Feb 17 j 13:48	9°☿40'55	
inferior conj	-12198 May 04 j 21:40	14°☿55'45	-3°25'35		-12197 Feb 28 j 08:20	0°☿	
minimum elong	-12198 May 04 j 21:48	14°☿55'25	3°26'06	evening max el	-12197 Mar 21 j 01:30	28°☿18'00	27°12'13
morning rise	-12198 May 11 j 08:34	9°☿41'11			-12197 Mar 22 j 21:52	0°☿	
direct	-12198 May 14 j 02:50	9°☿03'47		desc. node	-12197 Mar 31 j 12:02	5°☿14'57	
morning max el	-12198 May 20 j 15:06	12°☿26'25	18°04'17	retrograde	-12197 Apr 04 j 02:02	5°☿48'57	
asc. node	-12198 May 23 j 10:16	15°☿38'43		evening set	-12197 Apr 10 j 18:03	3°☿43'39	
	-12198 Jun 01 j 14:58	0°☿		min. Earth dist.	-12197 Apr 14 j 14:10	0°☿49'10	0.61238 AU
morning set	-12198 Jun 06 j 20:40	9°☿06'12			-12197 Apr 15 j 12:21	30°☿	
				inferior conj	-12197 Apr 17 j 18:52	27°☿55'19	-3°16'03
superior conj	-12198 Jun 19 j 05:47	0°☿15'19	1°40'54	minimum elong	-12197 Apr 17 j 17:15	27°☿59'00	3°16'32
minimum elong	-12198 Jun 19 j 09:50	0°☿32'07	1°40'40	morning rise	-12197 Apr 24 j 18:25	23°☿00'17	
	-12198 Jun 19 j 02:06	0°☿		direct	-12197 Apr 27 j 08:10	22°☿32'01	
max. Earth dist.	-12198 Jun 25 j 03:11	9°☿54'00	1.43440 AU	morning max el	-12197 May 04 j 04:38	25°☿56'52	18°05'08
evening rise	-12198 Jul 05 j 01:35	25°☿37'49			-12197 May 07 j 16:05	0°☿	
	-12198 Jul 07 j 21:18	0°☿		asc. node	-12197 May 10 j 07:07	3°☿48'43	
desc. node	-12198 Jul 10 j 11:41	3°☿59'30		morning set	-12197 May 20 j 11:28	21°☿32'30	
	-12198 Jul 28 j 09:39	0°☿			-12197 May 25 j 03:04	0°☿	
evening max el	-12198 Aug 02 j 12:26	6°☿00'13	20°38'47				
retrograde	-12198 Aug 10 j 13:25	10°☿42'23		superior conj	-12197 May 31 j 06:07	10°☿52'37	1°49'06
evening set	-12198 Aug 14 j 10:17	9°☿16'42		minimum elong	-12197 May 31 j 06:27	10°☿54'02	1°48'50
asc. node	-12198 Aug 19 j 11:21	3°☿39'27		max. Earth dist.	-12197 Jun 07 j 11:27	23°☿09'20	1.41990 AU
inferior conj	-12198 Aug 19 j 19:36	3°☿11'37	0°06'28		-12197 Jun 11 j 15:44	0°☿	
minimum elong	-12198 Aug 19 j 19:26	3°☿12'09	0°07'03	evening rise	-12197 Jun 14 j 06:10	4°☿10'26	
transit middle	-12198 Aug 19 j 19:26	3°☿12'09	0°07'03	desc. node	-12197 Jun 27 j 09:10	24°☿19'45	
transit begin	-12198 Aug 19 j 16:58	3°☿20'30			-12197 Jul 01 j 06:22	0°☿	
transit end	-12198 Aug 19 j 21:54	3°☿03'49		evening max el	-12197 Jul 16 j 07:49	19°☿23'01	21°52'23
min. Earth dist.	-12198 Aug 20 j 12:01	2°☿16'08	0.66766 AU	retrograde	-12197 Jul 25 j 09:06	24°☿44'32	
	-12198 Aug 22 j 05:40	30°☿		evening set	-12197 Jul 29 j 18:54	22°☿58'14	
morning rise	-12198 Aug 25 j 04:25	26°☿50'35		inferior conj	-12197 Aug 04 j 01:01	16°☿47'03	-0°42'47
direct	-12198 Aug 30 j 12:42	24°☿34'52		minimum elong	-12197 Aug 04 j 01:54	16°☿44'02	0°41'55
	-12198 Sep 09 j 10:29	0°☿		min. Earth dist.	-12197 Aug 04 j 06:54	16°☿26'45	0.67147 AU
morning max el	-12198 Sep 10 j 18:18	1°☿17'46	24°25'13	asc. node	-12197 Aug 06 j 08:15	13°☿41'25	
	-12198 Oct 02 j 13:06	0°☿		morning rise	-12197 Aug 09 j 08:48	10°☿27'05	
desc. node	-12198 Oct 06 j 09:43	5°☿57'40		direct	-12197 Aug 14 j 03:07	8°☿29'18	
morning set	-12198 Oct 16 j 08:42	22°☿22'59		morning max el	-12197 Aug 24 j 05:31	14°☿34'10	23°01'30
max. Earth dist.	-12198 Oct 20 j 09:10	29°☿28'37	1.38269 AU		-12197 Sep 05 j 15:38	0°☿	
	-12198 Oct 20 j 16:08	0°☿		desc. node	-12197 Sep 23 j 06:42	26°☿22'49	
					-12197 Sep 25 j 12:40	0°☿	
superior conj	-12198 Oct 27 j 05:58	12°☿15'00	-1°36'23	morning set	-12197 Sep 27 j 06:48	2°☿52'07	
minimum elong	-12198 Oct 27 j 04:56	12°☿10'03	1°35'49	max. Earth dist.	-12197 Oct 02 j 08:30	11°☿22'48	1.40248 AU
evening rise	-12198 Nov 04 j 20:01	29°☿05'41					
	-12198 Nov 05 j 07:02	0°☿		superior conj	-12197 Oct 09 j 22:29	24°☿47'12	-1°26'37
asc. node	-12198 Nov 15 j 10:11	18°☿20'00		minimum elong	-12197 Oct 09 j 19:36	24°☿34'04	1°25'46
evening max el	-12198 Nov 21 j 13:47	26°☿04'39	19°02'24		-12197 Oct 12 j 18:22	0°☿	
	-12198 Nov 28 j 06:02	0°☿		evening rise	-12197 Oct 19 j 12:43	12°☿47'10	
retrograde	-12198 Nov 30 j 04:23	0°☿12'11			-12197 Oct 29 j 01:31	0°☿	
	-12198 Dec 02 j 03:44	30°☿		asc. node	-12197 Nov 02 j 07:30	6°☿06'06	
evening set	-12198 Dec 02 j 16:21	29°☿52'48		evening max el	-12197 Nov 04 j 17:14	8°☿46'39	18°25'20
inferior conj	-12198 Dec 10 j 16:36	25°☿34'17	4°13'57	retrograde	-12197 Nov 12 j 07:01	12°☿31'46	
minimum elong	-12198 Dec 10 j 18:09	25°☿31'34	4°13'57	evening set	-12197 Nov 14 j 18:11	12°☿09'06	
min. Earth dist.	-12198 Dec 13 j 16:23	23°☿28'30	0.57647 AU	inferior conj	-12197 Nov 22 j 05:46	7°☿30'01	4°13'05
morning rise	-12198 Dec 18 j 17:57	20°☿36'13		minimum elong	-12197 Nov 22 j 03:56	7°☿33'44	4°13'16
direct	-12198 Dec 24 j 05:49	19°☿25'13		min. Earth dist.	-12197 Nov 25 j 10:30	4°☿54'51	0.59413 AU
desc. node	-12197 Jan 02 j 11:18	22°☿38'55		morning rise	-12197 Nov 29 j 11:58	2°☿10'12	
morning max el	-12197 Jan 07 j 06:12	26°☿33'53	25°22'27	direct	-12197 Dec 05 j 23:50	0°☿21'23	
	-12197 Jan 10 j 13:17	0°☿		morning max el	-12197 Dec 20 j 00:46	7°☿40'59	26°37'21
	-12197 Jan 29 j 19:12	0°☿		desc. node	-12197 Dec 20 j 07:57	7°☿58'19	
morning set	-12197 Feb 03 j 08:03	9°☿13'00			-12196 Jan 05 j 21:30	0°☿	
				morning set	-12196 Jan 18 j 18:57	24°☿13'33	
superior conj	-12197 Feb 10 j 07:14	24°☿13'25	-0°09'38		-12196 Jan 21 j 12:21	0°☿	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-12196 Jan 25 j 18:56	9° \mathbb{M} 17'12	-0°31'47	superior conj	-12195 Jan 09 j 06:35	24° \mathbb{A} 19'57	-0°52'08
minimum elong	-12196 Jan 25 j 20:10	9° \mathbb{M} 23'57	0°32'01	minimum elong	-12195 Jan 09 j 08:23	24° \mathbb{A} 29'48	0°52'07
max. Earth dist.	-12196 Jan 25 j 19:43	9° \mathbb{M} 21'31	1.32788 AU		-12195 Jan 11 j 21:00	0° \mathbb{M}	
asc. node	-12196 Jan 29 j 04:54	16° \mathbb{M} 43'15		asc. node	-12195 Jan 15 j 02:13	6° \mathbb{M} 55'48	
evening rise	-12196 Feb 01 j 21:05	24° \mathbb{M} 31'19		evening rise	-12195 Jan 16 j 07:12	9° \mathbb{M} 28'52	
	-12196 Feb 04 j 13:28	0° \mathbb{A}			-12195 Jan 27 j 00:48	0° \mathbb{A}	
	-12196 Feb 22 j 10:01	0° \mathbb{B}		evening max el	-12195 Feb 11 j 23:04	21° \mathbb{A} 18'46	25°10'32
evening max el	-12196 Mar 02 j 02:52	10° \mathbb{B} 05'03	26°24'51	retrograde	-12195 Feb 25 j 23:16	28° \mathbb{A} 23'43	
retrograde	-12196 Mar 16 j 06:01	17° \mathbb{B} 27'21		evening set	-12195 Mar 02 j 22:54	27° \mathbb{A} 25'57	
desc. node	-12196 Mar 17 j 09:07	17° \mathbb{B} 24'06		desc. node	-12195 Mar 04 j 06:06	26° \mathbb{A} 53'00	
evening set	-12196 Mar 22 j 05:43	15° \mathbb{B} 56'10		min. Earth dist.	-12195 Mar 08 j 12:44	24° \mathbb{A} 25'08	0.57419 AU
min. Earth dist.	-12196 Mar 26 j 16:15	13° \mathbb{B} 05'10	0.59245 AU	inferior conj	-12195 Mar 11 j 10:42	22° \mathbb{A} 25'40	-1°43'17
inferior conj	-12196 Mar 30 j 00:13	10° \mathbb{B} 27'41	-2°43'47	minimum elong	-12195 Mar 11 j 07:26	22° \mathbb{A} 31'17	1°43'08
minimum elong	-12196 Mar 29 j 21:02	10° \mathbb{B} 34'00	2°43'55	morning rise	-12195 Mar 19 j 19:11	18° \mathbb{A} 08'28	
morning rise	-12196 Apr 06 j 15:17	5° \mathbb{B} 52'33		direct	-12195 Mar 22 j 00:17	17° \mathbb{A} 53'42	
direct	-12196 Apr 09 j 00:30	5° \mathbb{B} 32'02		morning max el	-12195 Mar 30 j 19:37	22° \mathbb{A} 04'33	19°04'21
morning max el	-12196 Apr 16 j 15:08	9° \mathbb{B} 12'34	18°24'59		-12195 Apr 06 j 03:35	0° \mathbb{B}	
asc. node	-12196 Apr 26 j 03:57	22° \mathbb{B} 38'08		asc. node	-12195 Apr 13 j 00:50	11° \mathbb{B} 57'59	
	-12196 Apr 30 j 05:08	0° \approx		morning set	-12195 Apr 16 j 12:20	18° \mathbb{B} 42'10	
morning set	-12196 May 02 j 18:04	4° \approx 47'44			-12195 Apr 22 j 05:58	0° \approx	
superior conj	-12196 May 12 j 07:03	22° \approx 44'08	1°44'31	superior conj	-12195 Apr 25 j 03:20	5° \approx 36'14	1°31'12
minimum elong	-12196 May 12 j 04:56	22° \approx 34'24	1°43'59	minimum elong	-12195 Apr 25 j 00:18	5° \approx 21'42	1°30'20
	-12196 May 16 j 07:45	0° \mathbb{H}		max. Earth dist.	-12195 May 01 j 13:47	17° \approx 37'22	1.38336 AU
max. Earth dist.	-12196 May 19 j 13:43	5° \mathbb{H} 41'04	1.40205 AU	evening rise	-12195 May 05 j 14:59	24° \approx 49'01	
evening rise	-12196 May 24 j 08:45	13° \mathbb{H} 47'45			-12195 May 08 j 15:29	0° \mathbb{H}	
	-12196 Jun 03 j 12:31	0° \mathbb{Y}			-12195 May 28 j 03:55	0° \mathbb{Y}	
desc. node	-12196 Jun 13 j 06:40	14° \mathbb{Y} 23'36		desc. node	-12195 May 31 j 04:11	4° \mathbb{Y} 04'13	
	-12196 Jun 25 j 08:20	0° \mathbb{B}		evening max el	-12195 Jun 10 j 07:20	16° \mathbb{Y} 03'19	24°35'25
evening max el	-12196 Jun 27 j 21:09	2° \mathbb{B} 42'39	23°13'33	retrograde	-12195 Jun 21 j 15:50	22° \mathbb{Y} 45'49	
retrograde	-12196 Jul 08 j 02:16	8° \mathbb{B} 46'42		evening set	-12195 Jun 27 j 06:37	20° \mathbb{Y} 19'01	
evening set	-12196 Jul 13 j 02:18	6° \mathbb{B} 39'17		min. Earth dist.	-12195 Jul 01 j 20:44	14° \mathbb{Y} 57'43	0.67000 AU
inferior conj	-12196 Jul 18 j 07:22	0° \mathbb{B} 24'34	-1°28'14	inferior conj	-12195 Jul 02 j 12:54	14° \mathbb{Y} 03'10	-2°08'34
minimum elong	-12196 Jul 18 j 09:02	0° \mathbb{B} 18'48	1°27'18	minimum elong	-12195 Jul 02 j 15:04	13° \mathbb{Y} 55'52	2°07'46
min. Earth dist.	-12196 Jul 18 j 02:36	0° \mathbb{B} 41'04	0.67232 AU	morning rise	-12195 Jul 07 j 23:28	7° \mathbb{Y} 56'17	
	-12196 Jul 18 j 14:29	30° \mathbb{R} \mathbb{Y}		asc. node	-12195 Jul 10 j 01:50	6° \mathbb{Y} 49'38	
asc. node	-12196 Jul 23 j 05:04	24° \mathbb{Y} 31'32		direct	-12195 Jul 11 j 18:26	6° \mathbb{Y} 33'23	
morning rise	-12196 Jul 23 j 15:42	24° \mathbb{Y} 09'24		morning max el	-12195 Jul 19 j 17:20	11° \mathbb{Y} 14'56	20°26'09
direct	-12196 Jul 27 j 21:27	22° \mathbb{Y} 29'38			-12195 Aug 02 j 18:34	0° \mathbb{B}	
morning max el	-12196 Aug 05 j 20:29	27° \mathbb{Y} 51'57	21°39'38	morning set	-12195 Aug 16 j 07:26	20° \mathbb{B} 39'22	
	-12196 Aug 07 j 19:36	0° \mathbb{B}			-12195 Aug 22 j 06:27	0° \mathbb{H}	
	-12196 Aug 29 j 07:36	0° \mathbb{H}		max. Earth dist.	-12195 Aug 26 j 21:51	7° \mathbb{H} 24'01	1.43540 AU
morning set	-12196 Sep 06 j 03:08	12° \mathbb{H} 07'25		desc. node	-12195 Aug 27 j 00:54	7° \mathbb{H} 36'17	
desc. node	-12196 Sep 09 j 03:44	16° \mathbb{H} 56'51		superior conj	-12195 Sep 01 j 10:01	16° \mathbb{H} 21'22	-0°31'54
max. Earth dist.	-12196 Sep 13 j 11:57	24° \mathbb{H} 00'57	1.42091 AU	minimum elong	-12195 Sep 01 j 06:59	16° \mathbb{H} 08'56	0°30'49
	-12196 Sep 17 j 02:04	0° \mathbb{B}			-12195 Sep 09 j 13:11	0° \mathbb{B}	
superior conj	-12196 Sep 20 j 17:31	6° \mathbb{B} 13'18	-1°05'29	evening rise	-12195 Sep 14 j 06:24	8° \mathbb{B} 07'38	
minimum elong	-12196 Sep 20 j 13:24	5° \mathbb{B} 55'31	1°04'20		-12195 Sep 27 j 11:36	0° \mathbb{B}	
evening rise	-12196 Oct 01 j 17:40	25° \mathbb{B} 51'15		evening max el	-12195 Oct 01 j 16:14	5° \mathbb{B} 10'12	18°10'31
	-12196 Oct 04 j 00:23	0° \mathbb{B}		asc. node	-12195 Oct 06 j 01:57	8° \mathbb{B} 17'53	
evening max el	-12196 Oct 18 j 03:03	21° \mathbb{B} 50'56	18°08'21	retrograde	-12195 Oct 08 j 07:24	8° \mathbb{B} 43'06	
asc. node	-12196 Oct 19 j 04:45	22° \mathbb{B} 50'40		evening set	-12195 Oct 10 j 22:47	8° \mathbb{B} 08'05	
retrograde	-12196 Oct 25 j 01:15	25° \mathbb{B} 24'54		inferior conj	-12195 Oct 17 j 10:59	2° \mathbb{B} 48'06	3°07'47
evening set	-12196 Oct 27 j 13:31	24° \mathbb{B} 57'10		minimum elong	-12195 Oct 17 j 07:11	2° \mathbb{B} 58'03	3°07'25
inferior conj	-12196 Nov 03 j 12:55	19° \mathbb{B} 56'52	3°47'49	min. Earth dist.	-12195 Oct 19 j 22:25	0° \mathbb{B} 12'46	0.62967 AU
minimum elong	-12196 Nov 03 j 09:21	20° \mathbb{B} 05'09	3°47'40		-12195 Oct 20 j 03:28	30° \mathbb{R} \mathbb{B}	
min. Earth dist.	-12196 Nov 06 j 11:46	17° \mathbb{B} 12'42	0.61258 AU	morning rise	-12195 Oct 23 j 14:41	26° \mathbb{B} 54'24	
morning rise	-12196 Nov 10 j 03:53	14° \mathbb{B} 18'43		direct	-12195 Oct 30 j 15:32	24° \mathbb{B} 16'00	
direct	-12196 Nov 17 j 03:48	11° \mathbb{B} 58'36			-12195 Nov 11 j 09:32	0° \mathbb{B}	
morning max el	-12196 Dec 01 j 01:32	19° \mathbb{B} 25'06	27°22'40	morning max el	-12195 Nov 13 j 07:47	1° \mathbb{B} 46'48	27°33'34
desc. node	-12196 Dec 06 j 04:33	24° \mathbb{B} 56'23		desc. node	-12195 Nov 23 j 01:09	13° \mathbb{B} 05'23	
	-12196 Dec 10 j 04:56	0° \mathbb{H}			-12195 Dec 04 j 08:21	0° \mathbb{H}	
	-12196 Dec 28 j 13:34	0° \mathbb{A}		morning set	-12195 Dec 17 j 03:59	23° \mathbb{H} 30'36	
morning set	-12195 Jan 02 j 02:21	9° \mathbb{A} 02'14			-12195 Dec 20 j 07:58	0° \mathbb{A}	
max. Earth dist.	-12195 Jan 08 j 08:14	22° \mathbb{A} 18'21	1.32885 AU	max. Earth dist.	-12195 Dec 22 j 16:26	4° \mathbb{A} 57'41	1.33347 AU




















































































































Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-12195 Dec 24 j 16:27	9° Ω 14'55	-1°09'55			-12194 Nov 08 j 10:30	0° Ω	
minimum elong	-12195 Dec 24 j 18:30	9° Ω 25'57	1°09'44	desc. node		-12194 Nov 09 j 21:50	2° Ω 05'03	
evening rise	-12195 Dec 31 j 18:26	24° Ω 26'43				-12194 Nov 26 j 22:16	0° Π	
asc. node	-12194 Jan 01 j 23:34	26° Ω 58'32		morning set		-12194 Nov 30 j 21:01	7° Π 29'35	
	-12194 Jan 03 j 11:05	0° Π		max. Earth dist.		-12194 Dec 05 j 16:54	17° Π 10'15	1.34208 AU
	-12194 Jan 22 j 11:52	0° Σ						
evening max el	-12194 Jan 24 j 16:24	2° Σ 12'22	23°39'47	superior conj		-12194 Dec 08 j 22:41	23° Π 55'36	-1°24'15
retrograde	-12194 Feb 07 j 03:37	8° Σ 47'57		minimum elong		-12194 Dec 09 j 00:33	24° Π 05'29	1°23'58
evening set	-12194 Feb 11 j 02:04	8° Σ 13'56				-12194 Dec 11 j 19:24	0° Ω	
min. Earth dist.	-12194 Feb 18 j 05:25	4° Σ 52'09	0.56077 AU	evening rise		-12194 Dec 16 j 05:10	9° Ω 19'06	
desc. node	-12194 Feb 19 j 02:59	4° Σ 19'39		asc. node		-12194 Dec 19 j 20:58	16° Ω 46'06	
inferior conj	-12194 Feb 20 j 01:42	3° Σ 45'09	-0°14'24			-12194 Dec 27 j 05:07	0° Π	
minimum elong	-12194 Feb 20 j 01:05	3° Σ 46'05	0°14'51	evening max el		-12193 Jan 06 j 11:44	13° Π 08'28	22°06'05
transit middle	-12194 Feb 20 j 01:05	3° Σ 46'05	0°14'51	retrograde		-12193 Jan 18 j 21:21	19° Π 02'55	
transit begin	-12194 Feb 19 j 23:43	3° Σ 48'09		evening set		-12193 Jan 22 j 00:41	18° Π 41'06	
transit end	-12194 Feb 20 j 02:27	3° Σ 44'01		inferior conj		-12193 Jan 31 j 02:25	14° Π 35'09	1°29'28
	-12194 Feb 27 j 16:47	30° Σ		minimum elong		-12193 Jan 31 j 06:08	14° Π 29'51	1°27'50
morning rise	-12194 Mar 01 j 02:26	29° Π 40'05		min. Earth dist.		-12193 Jan 30 j 19:58	14° Π 44'23	0.55476 AU
direct	-12194 Mar 03 j 06:32	29° Π 28'01		desc. node		-12193 Feb 05 j 23:45	11° Π 33'33	
	-12194 Mar 06 j 17:07	0° Σ		morning rise		-12193 Feb 09 j 12:05	10° Π 29'57	
morning max el	-12194 Mar 13 j 15:03	4° Σ 22'28	20°03'29	direct		-12193 Feb 11 j 23:52	10° Π 15'48	
	-12194 Mar 30 j 01:42	0° Σ		morning max el		-12193 Feb 23 j 23:28	16° Π 00'50	21°21'16
asc. node	-12194 Mar 30 j 21:48	1° Σ 40'22				-12193 Mar 06 j 13:00	0° Σ	
morning set	-12194 Mar 31 j 14:47	3° Σ 05'49		morning set		-12193 Mar 15 j 22:44	17° Σ 50'36	
				asc. node		-12193 Mar 17 j 18:53	21° Σ 39'25	
						-12193 Mar 21 j 18:41	0° Σ	
superior conj	-12194 Apr 08 j 13:49	19° Σ 14'12	1°12'25					
minimum elong	-12194 Apr 08 j 10:57	18° Σ 59'51	1°11'20	superior conj		-12193 Mar 23 j 10:29	3° Σ 26'41	0°50'33
max. Earth dist.	-12194 Apr 13 j 17:35	29° Σ 19'34	1.36605 AU	minimum elong		-12193 Mar 23 j 08:22	3° Σ 15'40	0°49'27
	-12194 Apr 14 j 02:04	0° \approx		max. Earth dist.		-12193 Mar 27 j 05:56	11° Σ 12'30	1.35159 AU
evening rise	-12194 Apr 17 j 21:03	7° \approx 03'51		evening rise		-12193 Mar 31 j 21:16	20° Σ 16'16	
	-12194 May 01 j 10:42	0° Π				-12193 Apr 06 j 04:08	0° \approx	
desc. node	-12194 May 18 j 01:39	23° Π 11'27				-12193 Apr 25 j 08:40	0° Π	
evening max el	-12194 May 23 j 17:06	29° Π 25'12	25°49'38	desc. node		-12193 May 04 j 23:03	11° Π 31'46	
	-12194 May 24 j 07:18	0° Υ		evening max el		-12193 May 06 j 03:35	12° Π 43'55	26°47'30
retrograde	-12194 Jun 05 j 01:03	6° Υ 36'25		retrograde		-12193 May 19 j 05:25	20° Π 12'24	
evening set	-12194 Jun 11 j 05:45	3° Υ 55'12		evening set		-12193 May 25 j 21:17	17° Σ 25'19	
	-12194 Jun 14 j 20:04	30° Σ		min. Earth dist.		-12193 May 29 j 18:56	13° Σ 22'12	0.65433 AU
min. Earth dist.	-12194 Jun 15 j 10:53	29° Σ 13'09	0.66411 AU	inferior conj		-12193 May 31 j 13:51	11° Σ 13'17	-3°08'07
inferior conj	-12194 Jun 16 j 15:45	27° Σ 40'12	-2°42'26	minimum elong		-12193 May 31 j 15:44	11° Σ 07'35	3°08'05
minimum elong	-12194 Jun 16 j 18:02	27° Σ 32'53	2°41'58	morning rise		-12193 Jun 06 j 10:29	5° Σ 32'07	
morning rise	-12194 Jun 22 j 06:21	21° Σ 44'51		direct		-12193 Jun 09 j 13:15	4° Σ 37'41	
direct	-12194 Jun 25 j 16:22	20° Σ 37'08		asc. node		-12193 Jun 13 j 19:19	6° Σ 12'41	
asc. node	-12194 Jun 26 j 22:33	20° Σ 45'55		morning max el		-12193 Jun 16 j 05:43	8° Σ 19'54	18°40'20
morning max el	-12194 Jul 02 j 20:43	24° Σ 44'30	19°25'30			-12193 Jul 01 j 05:37	0° Υ	
	-12194 Jul 07 j 06:20	0° Υ		morning set		-12193 Jul 06 j 17:55	8° Υ 57'56	
morning set	-12194 Jul 26 j 14:57	29° Υ 21'51				-12193 Jul 19 j 20:02	0° Σ	
	-12194 Jul 27 j 00:39	0° Σ						
max. Earth dist.	-12194 Aug 09 j 12:55	21° Σ 18'27	1.44393 AU	superior conj		-12193 Jul 22 j 00:12	3° Σ 27'00	0°55'31
superior conj	-12194 Aug 12 j 00:03	25° Σ 13'32	0°11'26	minimum elong		-12193 Jul 22 j 06:11	3° Σ 50'42	0°55'15
minimum elong	-12194 Aug 12 j 01:28	25° Σ 19'11	0°11'50	max. Earth dist.		-12193 Jul 23 j 05:43	5° Σ 23'53	1.44555 AU
behind sun begin	-12194 Aug 11 j 17:40	24° Σ 48'03		desc. node		-12193 Jul 31 j 19:35	18° Σ 57'43	
behind sun end	-12194 Aug 12 j 09:17	25° Σ 50'19		evening rise		-12193 Aug 07 j 09:27	29° Σ 22'52	
desc. node	-12194 Aug 13 j 22:12	28° Σ 17'46				-12193 Aug 07 j 18:49	0° Π	
	-12194 Aug 14 j 23:44	0° Π				-12193 Aug 27 j 18:49	0° Σ	
evening rise	-12194 Aug 26 j 21:19	19° Π 22'44		evening max el		-12193 Aug 29 j 16:53	2° Σ 08'11	19°08'22
	-12194 Sep 02 j 07:45	0° Σ		retrograde		-12193 Sep 05 j 16:18	6° Σ 06'05	
evening max el	-12194 Sep 15 j 05:49	18° Σ 38'01	18°30'51	evening set		-12193 Sep 08 j 20:33	5° Σ 07'59	
retrograde	-12194 Sep 21 j 21:33	22° Σ 19'00		asc. node		-12193 Sep 09 j 20:07	4° Σ 27'06	
asc. node	-12194 Sep 22 j 23:03	22° Σ 12'46				-12193 Sep 14 j 01:21	30° Σ	
evening set	-12194 Sep 24 j 18:14	21° Σ 34'01		inferior conj		-12193 Sep 14 j 14:52	29° Π 17'53	1°28'15
inferior conj	-12194 Sep 30 j 20:39	15° Σ 57'19	2°19'49	minimum elong		-12193 Sep 14 j 12:51	29° Π 24'13	1°28'14
minimum elong	-12194 Sep 30 j 17:32	16° Σ 06'20	2°19'30	min. Earth dist.		-12193 Sep 16 j 01:03	27° Π 31'02	0.65558 AU
min. Earth dist.	-12194 Oct 02 j 19:13	13° Σ 42'44	0.64411 AU	morning rise		-12193 Sep 20 j 04:43	23° Π 02'32	
morning rise	-12194 Oct 06 j 16:12	9° Σ 50'58		direct		-12193 Sep 26 j 10:57	20° Π 24'31	
direct	-12194 Oct 13 j 10:05	7° Σ 07'32		morning max el		-12193 Oct 09 j 03:56	27° Π 47'15	26°21'15
morning max el	-12194 Oct 26 j 17:25	14° Σ 38'33	27°11'20			-12193 Oct 11 j 07:09	0° Σ	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

desc. node	-12193 Oct 27 j 18:35	21° ☿ 39'58		desc. node	-12192 Oct 05 j 19:14	0° ☿	
	-12193 Nov 02 j 02:51	0° Ω			-12192 Oct 13 j 15:26	11° ☿ 40'00	
morning set	-12193 Nov 14 j 01:37	20° Ω 46'40			-12192 Oct 24 j 18:20	0° Ω	
max. Earth dist.	-12193 Nov 18 j 06:49	28° Ω 51'21	1.35491 AU	morning set	-12192 Oct 26 j 13:04	3° Ω 08'29	
	-12193 Nov 18 j 20:46	0° ♄		max. Earth dist.	-12192 Oct 30 j 10:30	10° Ω 13'27	1.37170 AU
superior conj	-12193 Nov 22 j 22:52	8° ♄ 13'24	-1°34'00	superior conj	-12192 Nov 05 j 14:02	21° Ω 59'33	-1°37'44
minimum elong	-12193 Nov 23 j 00:03	8° ♄ 19'29	1°33'40	minimum elong	-12192 Nov 05 j 13:58	21° Ω 59'13	1°37'16
evening rise	-12193 Nov 30 j 13:35	23° ♄ 59'07			-12192 Nov 09 j 14:25	0° ♄	
	-12193 Dec 03 j 12:57	0° Ω		evening rise	-12192 Nov 13 j 17:49	8° ♄ 21'19	
asc. node	-12193 Dec 06 j 18:21	6° Ω 11'13		asc. node	-12192 Nov 22 j 15:44	25° ♄ 06'02	
evening max el	-12193 Dec 19 j 14:16	24° Ω 27'34	20°41'20		-12192 Nov 25 j 19:32	0° Ω	
retrograde	-12193 Dec 30 j 12:28	29° Ω 35'12		evening max el	-12192 Dec 01 j 02:57	6° Ω 20'32	19°32'57
evening set	-12192 Jan 02 j 05:29	29° Ω 17'33		retrograde	-12192 Dec 10 j 12:00	10° Ω 46'17	
inferior conj	-12192 Jan 11 j 00:28	25° Ω 18'15	3°01'34	evening set	-12192 Dec 13 j 01:04	10° Ω 28'12	
minimum elong	-12192 Jan 11 j 06:15	25° Ω 09'43	2°59'55	inferior conj	-12192 Dec 21 j 08:40	6° Ω 20'06	3°59'00
min. Earth dist.	-12192 Jan 12 j 09:36	24° Ω 29'32	0.55734 AU	minimum elong	-12192 Dec 21 j 12:24	6° Ω 14'02	3°58'30
morning rise	-12192 Jan 20 j 05:39	20° Ω 57'09		min. Earth dist.	-12192 Dec 23 j 23:08	4° Ω 38'46	0.56783 AU
direct	-12192 Jan 23 j 15:19	20° Ω 31'40		morning rise	-12192 Dec 29 j 21:34	1° Ω 35'25	
desc. node	-12192 Jan 23 j 20:28	20° Ω 31'46		direct	-12191 Jan 03 j 15:30	0° Ω 44'15	
morning max el	-12192 Feb 05 j 21:16	27° Ω 02'09	22°53'21	desc. node	-12191 Jan 09 j 17:09	2° Ω 08'40	
	-12192 Feb 08 j 17:26	0° ♄		morning max el	-12191 Jan 17 j 12:32	7° Ω 43'52	24°30'03
	-12192 Feb 27 j 01:18	0° ♄			-12191 Feb 02 j 17:43	0° ♄	
morning set	-12192 Feb 28 j 09:55	2° ♄ 48'46		morning set	-12191 Feb 11 j 22:23	17° ♄ 53'09	
asc. node	-12192 Mar 03 j 16:03	11° ♄ 49'35			-12191 Feb 17 j 13:58	0° ♄	
superior conj	-12192 Mar 06 j 14:14	18° ♄ 03'34	0°27'14	superior conj	-12191 Feb 18 j 22:34	2° ♄ 56'23	0°03'42
minimum elong	-12192 Mar 06 j 13:05	17° ♄ 57'28	0°26'19	minimum elong	-12191 Feb 18 j 22:27	2° ♄ 55'43	0°03'02
max. Earth dist.	-12192 Mar 09 j 04:17	23° ♄ 30'06	1.34057 AU	behind sun begin	-12191 Feb 18 j 17:25	2° ♄ 28'32	
	-12192 Mar 12 j 08:14	0° ☿		behind sun end	-12191 Feb 19 j 03:28	3° ♄ 22'53	
evening rise	-12192 Mar 14 j 10:35	4° ☿ 11'01		asc. node	-12191 Feb 18 j 13:15	2° ♄ 06'00	
	-12192 Mar 28 j 22:33	0° \approx		max. Earth dist.	-12191 Feb 20 j 11:03	6° ♄ 12'49	1.33306 AU
evening max el	-12192 Apr 17 j 14:12	25° \approx 50'46	27°21'17	evening rise	-12191 Feb 26 j 09:05	18° ♄ 35'17	
desc. node	-12192 Apr 20 j 20:20	28° \approx 46'13			-12191 Mar 04 j 06:15	0° ☿	
	-12192 Apr 22 j 10:45	0° ♄			-12191 Mar 23 j 08:48	0° \approx	
retrograde	-12192 May 01 j 04:28	3° ♄ 26'07		evening max el	-12191 Mar 30 j 23:07	8° \approx 34'20	27°25'02
evening set	-12192 May 08 j 02:24	0° ♄ 45'14		desc. node	-12191 Apr 07 j 17:35	14° \approx 28'05	
	-12192 May 09 j 00:23	30° \approx		retrograde	-12191 Apr 13 j 21:10	16° \approx 08'17	
min. Earth dist.	-12192 May 11 j 19:11	27° \approx 16'30	0.64059 AU	evening set	-12191 Apr 20 j 17:45	13° \approx 46'55	
inferior conj	-12192 May 14 j 04:44	24° \approx 38'45	-3°23'09	min. Earth dist.	-12191 Apr 24 j 10:34	10° \approx 43'22	0.62337 AU
minimum elong	-12192 May 14 j 05:41	24° \approx 36'09	3°23'32	inferior conj	-12191 Apr 27 j 09:23	7° \approx 50'11	-3°23'58
morning rise	-12192 May 20 j 09:42	19° \approx 14'01		minimum elong	-12191 Apr 27 j 08:48	7° \approx 51'36	3°24'32
direct	-12192 May 23 j 06:39	18° \approx 31'00		morning rise	-12191 May 04 j 01:18	2° \approx 43'38	
morning max el	-12192 May 29 j 18:23	21° \approx 58'00	18°12'17	direct	-12191 May 06 j 17:29	2° \approx 10'23	
asc. node	-12192 May 30 j 16:07	22° \approx 55'07		morning max el	-12191 May 13 j 08:18	5° \approx 32'53	18°02'19
	-12192 Jun 04 j 23:41	0° ♄		asc. node	-12191 May 17 j 12:55	10° \approx 37'02	
morning set	-12192 Jun 16 j 22:11	19° ♄ 44'16			-12191 May 29 j 03:55	0° ♄	
	-12192 Jun 23 j 00:14	0° ♄		morning set	-12191 May 30 j 01:43	1° ♄ 36'59	
superior conj	-12192 Jun 30 j 08:49	12° ♄ 06'47	1°28'59	superior conj	-12191 Jun 10 j 17:24	21° ♄ 56'50	1°46'13
minimum elong	-12192 Jun 30 j 14:44	12° ♄ 30'48	1°28'40	minimum elong	-12191 Jun 10 j 19:49	22° ♄ 07'01	1°46'00
max. Earth dist.	-12192 Jul 04 j 20:49	19° ♄ 21'30	1.44023 AU		-12191 Jun 15 j 13:06	0° ♄	
	-12192 Jul 11 j 14:09	0° ☿		max. Earth dist.	-12191 Jun 17 j 08:00	2° ♄ 55'48	1.42875 AU
evening rise	-12192 Jul 16 j 20:05	8° ☿ 11'47		evening rise	-12191 Jun 25 j 20:06	16° ♄ 30'54	
desc. node	-12192 Jul 17 j 17:02	9° ☿ 33'06		desc. node	-12191 Jul 04 j 14:30	29° ♄ 59'52	
greatest brilliancy	-12192 Jul 29 j 13:34	27° ☿ 41'59	-0.7m		-12191 Jul 04 j 14:33	0° ☿	
	-12192 Jul 31 j 02:40	0° ♄		evening max el	-12191 Jul 25 j 22:31	29° ♄ 02'34	21°08'56
evening max el	-12192 Aug 11 j 23:01	15° ♄ 37'19	20°01'45		-12191 Jul 26 j 21:53	0° ♄	
retrograde	-12192 Aug 19 j 12:55	20° ♄ 00'58		retrograde	-12191 Aug 03 j 09:16	4° ♄ 00'34	
evening set	-12192 Aug 23 j 03:02	18° ♄ 46'24		evening set	-12191 Aug 07 j 11:24	2° ♄ 26'30	
asc. node	-12192 Aug 26 j 17:06	15° ♄ 13'57			-12191 Aug 09 j 22:57	30° ♄	
inferior conj	-12192 Aug 28 j 15:05	12° ♄ 46'05	0°36'02	inferior conj	-12191 Aug 12 j 19:08	26° ♄ 18'45	-0°14'47
minimum elong	-12192 Aug 28 j 14:16	12° ♄ 48'49	0°36'24	minimum elong	-12191 Aug 12 j 19:26	26° ♄ 17'44	0°14'05
min. Earth dist.	-12192 Aug 29 j 13:51	11° ♄ 30'52	0.66407 AU	transit middle	-12191 Aug 12 j 19:26	26° ♄ 17'44	0°14'05
morning rise	-12192 Sep 03 j 01:13	6° ♄ 25'49		transit begin	-12191 Aug 12 j 18:02	26° ♄ 22'29	
direct	-12192 Sep 08 j 17:43	4° ♄ 00'27		transit end	-12191 Aug 12 j 20:49	26° ♄ 12'58	
morning max el	-12192 Sep 20 j 13:50	11° ♄ 01'58	25°11'05	min. Earth dist.	-12191 Aug 13 j 07:07	25° ♄ 37'45	0.66965 AU

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

asc. node	-12191 Aug 13 j 14:02	25°  14'14		direct	-12190 Aug 06 j 21:50	1°  46'28	
morning rise	-12191 Aug 18 j 03:18	19°  57'39		morning max el	-12190 Aug 16 j 12:07	7°  32'40	22°25'59
direct	-12191 Aug 23 j 05:37	17°  49'08			-12190 Sep 02 j 17:24	0°  II	
morning max el	-12191 Sep 02 j 23:44	24°  16'45	23°49'46	desc. node	-12190 Sep 17 j 09:20	22°  II26'27	
	-12191 Sep 08 j 01:58	0°  II		morning set	-12190 Sep 18 j 12:36	24°  II16'07	
	-12191 Sep 29 j 06:35	0°  ☿			-12190 Sep 22 j 00:47	0°  ☿	
desc. node	-12191 Sep 30 j 12:21	1°  ☿57'20		max. Earth dist.	-12190 Sep 24 j 10:09	3°  ☿59'24	1.41067 AU
morning set	-12191 Oct 08 j 01:57	14°  ☿20'46					
max. Earth dist.	-12191 Oct 12 j 09:14	21°  ☿46'26	1.39108 AU	superior conj	-12190 Oct 02 j 00:20	17°  ☿08'26	-1°19'10
	-12191 Oct 16 j 23:03	0°  ♊		minimum elong	-12190 Oct 01 j 20:46	16°  ☿52'33	1°18'09
					-12190 Oct 09 j 01:30	0°  ♊	
superior conj	-12191 Oct 19 j 16:14	5°  ♊02'39	-1°33'31	evening rise	-12190 Oct 12 j 03:39	5°  ♊45'54	
minimum elong	-12191 Oct 19 j 14:25	4°  ♊54'08	1°32'50		-12190 Oct 26 j 19:21	0°  ♊	
evening rise	-12191 Oct 28 j 15:30	22°  ♊19'24		asc. node	-12190 Oct 27 j 10:20	0°  ♊42'15	
	-12191 Nov 01 j 15:28	0°  ♊		evening max el	-12190 Oct 28 j 08:04	1°  ♊38'45	18°15'43
asc. node	-12191 Nov 09 j 13:03	13°  ♊20'38		retrograde	-12190 Nov 04 j 14:01	5°  ♊17'52	
evening max el	-12191 Nov 14 j 01:35	18°  ♊46'39	18°44'13	evening set	-12190 Nov 07 j 01:30	4°  ♊53'09	
retrograde	-12191 Nov 22 j 04:12	22°  ♊42'41		inferior conj	-12190 Nov 14 j 07:45	0°  ♊04'36	4°04'45
evening set	-12191 Nov 24 j 15:49	22°  ♊21'58		minimum elong	-12190 Nov 14 j 04:58	0°  ♊10'36	4°04'48
inferior conj	-12191 Dec 02 j 10:40	17°  ♊55'13	4°17'17		-12190 Nov 14 j 09:52	30°  ♊♊	
minimum elong	-12191 Dec 02 j 10:37	17°  ♊55'18	4°17'27	min. Earth dist.	-12190 Nov 17 j 10:48	27°  ♊23'33	0.60199 AU
min. Earth dist.	-12191 Dec 05 j 14:21	15°  ♊34'33	0.58373 AU	morning rise	-12190 Nov 21 j 06:58	24°  ♊36'53	
morning rise	-12191 Dec 10 j 03:33	12°  ♊47'48		direct	-12190 Nov 28 j 01:26	22°  ♊33'46	
direct	-12191 Dec 16 j 03:18	11°  ♊20'25		morning max el	-12190 Dec 12 j 01:09	29°  ♊55'44	27°00'50
desc. node	-12191 Dec 27 j 13:49	16°  ♊16'11			-12190 Dec 12 j 02:55	0°  ♊	
morning max el	-12191 Dec 30 j 04:06	18°  ♊34'07	25°57'16	desc. node	-12190 Dec 14 j 10:25	2°  ♊21'14	
	-12190 Jan 08 j 19:04	0°  ♋			-12189 Jan 02 j 14:02	0°  ♋	
	-12190 Jan 26 j 00:12	0°  ♋		morning set	-12189 Jan 11 j 20:05	17°  ♋54'16	
morning set	-12190 Jan 27 j 10:25	2°  ♋57'40			-12189 Jan 17 j 11:58	0°  ♋	
superior conj	-12190 Feb 03 j 09:34	17°  ♋58'34	-0°19'12	superior conj	-12189 Jan 18 j 21:26	3°  ♋02'38	-0°40'41
minimum elong	-12190 Feb 03 j 10:22	18°  ♋02'52	0°19'34	minimum elong	-12189 Jan 18 j 22:57	3°  ♋10'54	0°40'47
max. Earth dist.	-12190 Feb 03 j 23:08	19°  ♋12'33	1.32889 AU	max. Earth dist.	-12189 Jan 18 j 12:41	2°  ♋14'52	1.32792 AU
asc. node	-12190 Feb 05 j 10:29	22°  ♋24'40		asc. node	-12189 Jan 23 j 07:46	12°  ♋40'34	
	-12190 Feb 08 j 23:38	0°  ♋♋		evening rise	-12189 Jan 25 j 22:37	18°  ♋13'53	
evening rise	-12190 Feb 10 j 13:54	3°  ♋19'23			-12189 Jan 31 j 19:59	0°  ♋♋	
	-12190 Feb 25 j 03:20	0°  ♋			-12189 Feb 20 j 21:03	0°  ♋	
evening max el	-12190 Mar 13 j 03:56	20°  ♋44'36	26°55'53	evening max el	-12189 Feb 23 j 02:59	2°  ♋16'29	25°55'55
desc. node	-12190 Mar 25 j 14:42	28°  ♋04'45		retrograde	-12189 Mar 09 j 05:17	9°  ♋32'05	
retrograde	-12190 Mar 27 j 05:58	28°  ♋11'45		desc. node	-12189 Mar 12 j 11:44	9°  ♋05'47	
evening set	-12190 Apr 02 j 16:09	26°  ♋20'46		evening set	-12189 Mar 14 j 19:43	8°  ♋15'37	
min. Earth dist.	-12190 Apr 06 j 17:09	23°  ♋29'21	0.60394 AU	min. Earth dist.	-12189 Mar 19 j 16:16	5°  ♋22'09	0.58441 AU
inferior conj	-12190 Apr 10 j 00:20	20°  ♋40'01	-3°05'31	inferior conj	-12189 Mar 22 j 21:56	2°  ♋58'34	-2°21'49
minimum elong	-12190 Apr 09 j 21:58	20°  ♋45'07	3°05'54	minimum elong	-12189 Mar 22 j 18:26	3°  ♋05'05	2°21'46
morning rise	-12190 Apr 17 j 06:07	15°  ♋53'06			-12189 Mar 27 j 07:38	30°  ♋♋	
direct	-12190 Apr 19 j 18:00	15°  ♋28'13		morning rise	-12189 Mar 30 j 20:18	28°  ♋13'32	
morning max el	-12190 Apr 26 j 20:50	18°  ♋58'04	18°11'09	direct	-12189 Apr 02 j 03:51	28°  ♋13'36	
asc. node	-12190 May 04 j 09:45	29°  ♋05'19			-12189 Apr 07 j 14:59	0°  ♋	
	-12190 May 04 j 22:59	0°  ♋		morning max el	-12189 Apr 10 j 05:07	2°  ♋04'43	18°39'18
morning set	-12190 May 12 j 23:51	14°  ♋25'59		asc. node	-12189 Apr 21 j 06:37	18°  ♋08'37	
	-12190 May 21 j 10:59	0°  ♋		morning set	-12189 Apr 26 j 11:52	27°  ♋59'13	
					-12189 Apr 27 j 12:53	0°  ♋	
superior conj	-12190 May 23 j 04:47	3°  ♋07'05	1°48'28	superior conj	-12189 May 05 j 14:38	15°  ♋26'24	1°39'43
minimum elong	-12190 May 23 j 03:51	3°  ♋02'59	1°48'07	minimum elong	-12189 May 05 j 11:58	15°  ♋13'55	1°39'02
max. Earth dist.	-12190 May 30 j 13:57	15°  ♋54'31	1.41266 AU	max. Earth dist.	-12189 May 12 j 15:05	28°  ♋11'00	1.39410 AU
evening rise	-12190 Jun 05 j 08:33	25°  ♋26'39			-12189 May 13 j 15:57	0°  ♋	
	-12190 Jun 08 j 04:46	0°  ♋		evening rise	-12189 May 16 j 22:56	5°  ♋39'22	
desc. node	-12190 Jun 21 j 11:59	20°  ♋13'41			-12189 Jun 01 j 07:22	0°  ♋	
	-12190 Jun 28 j 10:33	0°  ♋		desc. node	-12189 Jun 08 j 09:28	10°  ♋08'42	
evening max el	-12190 Jul 08 j 15:12	12°  ♋23'59	22°26'23	evening max el	-12189 Jun 21 j 02:46	25°  ♋43'35	23°48'42
retrograde	-12190 Jul 18 j 03:52	18° ♋02'52			-12189 Jun 26 j 02:59	0° ♋	
evening set	-12190 Jul 22 j 19:42	16° ♋07'29		retrograde	-12189 Jul 01 j 19:36	2° ♋04'43	
inferior conj	-12190 Jul 28 j 01:08	9° ♋54'44	-1°02'36		-12189 Jul 06 j 20:38	30° ♋♋	
minimum elong	-12190 Jul 28 j 02:22	9° ♋50'26	1°01'42	evening set	-12189 Jul 07 j 02:03	29° ♋48'21	
min. Earth dist.	-12190 Jul 28 j 02:32	9° ♋49'52	0.67227 AU	inferior conj	-12189 Jul 12 j 07:21	23° ♋32'53	-1°46'04
asc. node	-12190 Jul 31 j 10:53	5° ♋29'38		minimum elong	-12189 Jul 12 j 09:16	23° ♋26'18	1°45'10
morning rise	-12190 Aug 02 j 08:57	3° ♋36'36					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

min. Earth dist.	-12189 Jul 11 j 21:45	24° Υ 05'44	0.67175 AU		-12188 Jul 03 j 11:26	30° \mathbb{R} \mathbb{H}	
morning rise	-12189 Jul 17 j 16:27	17° Υ 21'07		asc. node	-12188 Jul 04 j 04:25	29° \mathbb{H} 53'37	
asc. node	-12189 Jul 18 j 07:40	16° Υ 54'10		direct	-12188 Jul 04 j 14:51	29° \mathbb{H} 52'33	
direct	-12189 Jul 21 j 17:21	15° Υ 48'53			-12188 Jul 05 j 18:48	0° Υ	
morning max el	-12189 Jul 30 j 05:34	20° Υ 53'03	21°07'07	morning max el	-12188 Jul 12 j 05:19	4° Υ 19'00	19°58'36
	-12189 Aug 06 j 17:05	0° \mathbb{B}			-12188 Jul 30 j 15:15	0° \mathbb{B}	
	-12189 Aug 27 j 00:03	0° \mathbb{H}		morning set	-12188 Aug 07 j 03:26	11° \mathbb{B} 37'24	
morning set	-12189 Aug 29 j 00:20	3° \mathbb{H} 08'10			-12188 Aug 18 j 19:41	0° \mathbb{H}	
desc. node	-12189 Sep 04 j 06:25	13° \mathbb{H} 03'19		max. Earth dist.	-12188 Aug 19 j 04:55	0° \mathbb{H} 36'51	1.43977 AU
max. Earth dist.	-12189 Sep 06 j 16:52	16° \mathbb{H} 59'53	1.42766 AU	desc. node	-12188 Aug 21 j 03:38	3° \mathbb{H} 43'51	
superior conj	-12189 Sep 13 j 08:35	28° \mathbb{H} 02'24	-0°52'43	superior conj	-12188 Aug 23 j 13:09	7° \mathbb{H} 35'39	-0°14'19
minimum elong	-12189 Sep 13 j 04:31	27° \mathbb{H} 45'16	0°51'32	minimum elong	-12188 Aug 23 j 11:40	7° \mathbb{H} 29'39	0°13'28
	-12189 Sep 14 j 12:18	0° \mathbb{B}		behind sun begin	-12188 Aug 23 j 05:33	7° \mathbb{H} 04'56	
evening rise	-12189 Sep 25 j 02:24	18° \mathbb{B} 31'46		behind sun end	-12188 Aug 23 j 17:47	7° \mathbb{H} 54'23	
	-12189 Oct 01 j 14:11	0° \mathbb{Q}		evening rise	-12188 Sep 06 j 06:34	0° \mathbb{B} 23'36	
evening max el	-12189 Oct 11 j 19:38	14° \mathbb{Q} 49'56	18°06'57		-12188 Sep 06 j 01:01	0° \mathbb{B}	
asc. node	-12189 Oct 14 j 07:33	16° \mathbb{Q} 55'58		evening max el	-12188 Sep 24 j 09:19	28° \mathbb{B} 13'02	18°17'01
retrograde	-12189 Oct 18 j 14:01	18° \mathbb{Q} 22'44			-12188 Sep 26 j 09:16	0° \mathbb{Q}	
evening set	-12189 Oct 21 j 03:14	17° \mathbb{Q} 52'16		asc. node	-12188 Sep 30 j 04:43	1° \mathbb{Q} 45'07	
inferior conj	-12189 Oct 27 j 21:42	12° \mathbb{Q} 43'06	3°32'12	retrograde	-12188 Oct 01 j 00:00	1° \mathbb{Q} 48'32	
minimum elong	-12189 Oct 27 j 17:54	12° \mathbb{Q} 52'27	3°31'56	evening set	-12188 Oct 03 j 17:15	1° \mathbb{Q} 09'48	
min. Earth dist.	-12189 Oct 30 j 15:59	10° \mathbb{Q} 00'51	0.62003 AU		-12188 Oct 05 j 14:41	30° \mathbb{R} \mathbb{B}	
morning rise	-12189 Nov 03 j 07:24	6° \mathbb{Q} 57'42		inferior conj	-12188 Oct 10 j 01:07	25° \mathbb{B} 42'32	2°48'06
direct	-12189 Nov 10 j 08:38	4° \mathbb{Q} 28'21		minimum elong	-12188 Oct 09 j 21:32	25° \mathbb{B} 52'21	2°47'43
morning max el	-12189 Nov 24 j 04:46	11° \mathbb{Q} 57'22	27°31'40	min. Earth dist.	-12188 Oct 12 j 07:12	23° \mathbb{B} 14'32	0.63614 AU
desc. node	-12189 Dec 01 j 07:02	19° \mathbb{Q} 52'23		morning rise	-12188 Oct 16 j 00:59	19° \mathbb{B} 42'47	
	-12189 Dec 08 j 15:34	0° \mathbb{M}		direct	-12188 Oct 22 j 23:37	17° \mathbb{B} 00'26	
	-12189 Dec 25 j 18:38	0° \mathbb{Q}		morning max el	-12188 Nov 05 j 12:51	24° \mathbb{B} 33'04	27°27'52
morning set	-12189 Dec 27 j 01:22	2° \mathbb{Q} 35'24			-12188 Nov 10 j 14:05	0° \mathbb{Q}	
max. Earth dist.	-12188 Jan 01 j 23:55	15° \mathbb{Q} 06'00	1.33035 AU	desc. node	-12188 Nov 17 j 03:41	8° \mathbb{Q} 24'40	
superior conj	-12188 Jan 03 j 08:32	18° \mathbb{Q} 02'30	-1°00'03		-12188 Nov 30 j 22:49	0° \mathbb{M}	
minimum elong	-12188 Jan 03 j 10:29	18° \mathbb{Q} 13'07	0°59'57	morning set	-12188 Dec 09 j 23:44	16° \mathbb{M} 52'15	
	-12188 Jan 08 j 21:10	0° \mathbb{M}		max. Earth dist.	-12188 Dec 15 j 05:01	27° \mathbb{M} 33'20	1.33655 AU
evening rise	-12188 Jan 10 j 09:24	3° \mathbb{M} 11'55			-12188 Dec 16 j 08:48	0° \mathbb{Q}	
asc. node	-12188 Jan 10 j 05:05	2° \mathbb{M} 49'15		superior conj	-12188 Dec 17 j 17:07	2° \mathbb{Q} 51'53	-1°16'29
	-12188 Jan 25 j 01:55	0° \mathbb{J}		minimum elong	-12188 Dec 17 j 19:09	3° \mathbb{Q} 02'44	1°16'16
evening max el	-12188 Feb 04 j 21:14	13° \mathbb{J} 18'08	24°33'02	evening rise	-12188 Dec 24 j 20:35	18° \mathbb{Q} 07'28	
retrograde	-12188 Feb 18 j 17:25	20° \mathbb{J} 12'56		asc. node	-12188 Dec 27 j 02:28	22° \mathbb{Q} 45'51	
evening set	-12188 Feb 23 j 06:07	19° \mathbb{J} 26'31			-12188 Dec 30 j 18:53	0° \mathbb{M}	
desc. node	-12188 Feb 27 j 08:41	17° \mathbb{J} 33'23		evening max el	-12187 Jan 16 j 14:46	24° \mathbb{M} 09'49	22°59'36
min. Earth dist.	-12188 Feb 29 j 10:42	16° \mathbb{J} 18'11	0.56775 AU		-12187 Jan 26 j 02:28	0° \mathbb{J}	
inferior conj	-12188 Mar 02 j 23:52	14° \mathbb{J} 39'28	-1°08'39	retrograde	-12187 Jan 29 j 17:10	0° \mathbb{J} 29'34	
minimum elong	-12188 Mar 02 j 21:23	14° \mathbb{J} 43'31	1°08'36	evening set	-12187 Feb 02 j 06:02	0° \mathbb{J} 02'14	
morning rise	-12188 Mar 11 j 15:48	10° \mathbb{J} 28'55			-12187 Feb 02 j 09:31	30° \mathbb{R} \mathbb{M}	
direct	-12188 Mar 13 j 19:45	10° \mathbb{J} 15'49		min. Earth dist.	-12187 Feb 10 j 02:43	26° \mathbb{M} 27'19	0.55711 AU
morning max el	-12188 Mar 23 j 06:10	14° \mathbb{J} 43'28	19°27'07	inferior conj	-12187 Feb 11 j 07:49	25° \mathbb{M} 44'41	0°29'13
	-12188 Apr 03 j 01:55	0° \mathbb{B}		minimum elong	-12187 Feb 11 j 09:02	25° \mathbb{M} 42'54	0°28'14
asc. node	-12188 Apr 07 j 03:32	7° \mathbb{B} 38'37		desc. node	-12187 Feb 13 j 05:32	24° \mathbb{M} 38'39	
morning set	-12188 Apr 09 j 09:57	12° \mathbb{B} 06'43		morning rise	-12187 Feb 20 j 13:38	21° \mathbb{M} 41'11	
				direct	-12187 Feb 22 j 19:14	21° \mathbb{M} 29'07	
superior conj	-12188 Apr 17 j 17:31	28° \mathbb{B} 39'38	1°23'45	morning max el	-12187 Mar 05 j 21:10	26° \mathbb{M} 45'31	20°34'26
minimum elong	-12188 Apr 17 j 14:28	28° \mathbb{B} 24'41	1°22'46		-12187 Mar 08 j 21:48	0° \mathbb{J}	
	-12188 Apr 18 j 10:01	0° \mathbb{M}		morning set	-12187 Mar 24 j 15:05	26° \mathbb{J} 40'28	
max. Earth dist.	-12188 Apr 23 j 15:37	9° \mathbb{M} 56'27	1.37569 AU	asc. node	-12187 Mar 25 j 00:34	27° \mathbb{J} 28'54	
evening rise	-12188 Apr 27 j 15:55	17° \mathbb{M} 13'18			-12187 Mar 26 j 06:03	0° \mathbb{B}	
	-12188 May 05 j 03:22	0° \mathbb{H}		superior conj	-12187 Apr 01 j 08:50	12° \mathbb{B} 34'03	1°03'25
desc. node	-12188 May 25 j 06:58	29° \mathbb{H} 36'26		minimum elong	-12187 Apr 01 j 06:14	12° \mathbb{B} 20'50	1°02'19
	-12188 May 25 j 14:24	0° Υ		max. Earth dist.	-12187 Apr 05 j 22:23	21° \mathbb{B} 39'47	1.35948 AU
evening max el	-12188 Jun 02 j 12:15	9° Υ 03'52	25°08'26	evening rise	-12187 Apr 10 j 06:30	29° \mathbb{B} 55'29	
retrograde	-12188 Jun 14 j 07:34	16° Υ 00'47			-12187 Apr 10 j 07:28	0° \mathbb{M}	
evening set	-12188 Jun 20 j 04:27	13° Υ 26'49			-12187 Apr 28 j 06:54	0° \mathbb{H}	
min. Earth dist.	-12188 Jun 24 j 14:29	8° Υ 22'06	0.66789 AU		-12187 May 12 j 04:25	18° \mathbb{H} 26'09	
inferior conj	-12188 Jun 25 j 11:58	7° Υ 10'50	-2°23'52	desc. node	-12187 May 15 j 22:22	22° \mathbb{H} 25'48	26°16'45
minimum elong	-12188 Jun 25 j 14:14	7° Υ 03'19	2°23'12	evening max el	-12187 May 15 j 22:22	22° \mathbb{H} 25'48	26°16'45
morning rise	-12188 Jul 01 j 00:02	1° Υ 08'34		retrograde	-12187 May 28 j 14:57	29° \mathbb{H} 46'15	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening set	-12187 Jun 04 j 00:43	27° H 01'28		inferior conj	-12186 May 24 j 08:30	4° H 17'54	-3°16'00
min. Earth dist.	-12187 Jun 08 j 02:29	22° H 35'56	0.66041 AU	minimum elong	-12186 May 24 j 10:04	4° H 13'21	3°16'09
inferior conj	-12187 Jun 09 j 13:07	20° H 47'14	-2°54'30		-12186 May 28 j 11:52	30° R \approx	
minimum elong	-12187 Jun 09 j 15:18	20° H 40'23	2°54'12	morning rise	-12186 May 30 j 08:21	28° \approx 43'11	
morning rise	-12187 Jun 15 j 06:00	14° H 57'20		direct	-12186 Jun 02 j 08:35	27° \approx 53'39	
direct	-12187 Jun 18 j 12:41	13° H 55'32			-12186 Jun 07 j 07:25	0° H	
asc. node	-12187 Jun 21 j 01:11	14° H 30'09		asc. node	-12186 Jun 07 j 21:58	0° H 30'54	
morning max el	-12187 Jun 25 j 11:14	17° H 51'23	19°04'11	morning max el	-12186 Jun 08 j 22:00	1° H 28'02	18°26'09
	-12187 Jul 04 j 14:53	0° Y			-12186 Jun 27 j 20:44	0° Y	
morning set	-12187 Jul 17 j 17:47	20° Y 38'37		morning set	-12186 Jun 28 j 07:29	0° Y 44'29	
	-12187 Jul 23 j 15:09	0° Z					
max. Earth dist.	-12187 Aug 01 j 20:35	14° Z 36'13	1.44551 AU	superior conj	-12186 Jul 12 j 20:00	24° Y 21'28	1°11'33
				minimum elong	-12186 Jul 13 j 02:36	24° Y 47'51	1°11'11
superior conj	-12187 Aug 02 j 18:58	16° Z 04'51	0°30'45	max. Earth dist.	-12186 Jul 15 j 13:18	28° Y 41'23	1.44421 AU
minimum elong	-12187 Aug 02 j 22:40	16° Z 19'27	0°30'49		-12186 Jul 16 j 09:07	0° Z	
desc. node	-12187 Aug 08 j 00:58	24° Z 24'59		desc. node	-12186 Jul 25 j 22:22	15° Z 03'22	
	-12187 Aug 11 j 12:52	0° II		evening rise	-12186 Jul 29 j 10:56	20° Z 34'59	
evening rise	-12187 Aug 18 j 10:29	11° II 07'22			-12186 Aug 04 j 11:27	0° II	
	-12187 Aug 30 j 04:52	0° E		greatest brilliancy	-12186 Aug 08 j 14:56	6° II 25'17	-0.7m
evening max el	-12187 Sep 07 j 22:13	11° E 42'29	18°44'50	evening max el	-12186 Aug 22 j 07:32	25° II 13'03	19°29'16
retrograde	-12187 Sep 14 j 16:20	15° E 29'20		retrograde	-12186 Aug 29 j 12:06	29° II 20'20	
asc. node	-12187 Sep 17 j 01:49	14° E 56'58		evening set	-12186 Sep 01 j 20:23	28° II 15'28	
evening set	-12187 Sep 17 j 15:59	14° E 39'11		asc. node	-12186 Sep 03 j 22:50	26° II 31'06	
inferior conj	-12187 Sep 23 j 14:45	8° E 56'42	1°58'09	inferior conj	-12186 Sep 07 j 11:48	22° II 20'43	1°06'02
minimum elong	-12187 Sep 23 j 12:04	9° E 04'44	1°57'57	minimum elong	-12186 Sep 07 j 10:17	22° II 25'34	1°06'10
min. Earth dist.	-12187 Sep 25 j 08:03	6° E 53'05	0.64943 AU	min. Earth dist.	-12186 Sep 08 j 16:58	20° II 47'08	0.65961 AU
morning rise	-12187 Sep 29 j 07:37	2° E 46'10		morning rise	-12186 Sep 12 j 23:52	16° II 03'05	
direct	-12187 Oct 05 j 21:07	0° E 03'35		direct	-12186 Sep 19 j 00:31	13° II 29'49	
morning max el	-12187 Oct 18 j 22:51	7° E 32'18	26°52'52	morning max el	-12186 Oct 01 j 09:03	20° II 44'18	25°53'21
desc. node	-12187 Nov 04 j 00:23	27° E 40'33			-12186 Oct 09 j 11:03	0° E	
	-12187 Nov 05 j 13:57	0° O		desc. node	-12186 Oct 21 j 21:10	17° E 27'24	
morning set	-12187 Nov 23 j 11:58	0° P 34'24			-12186 Oct 29 j 17:12	0° O	
	-12187 Nov 23 j 04:46	0° P		morning set	-12186 Nov 06 j 09:55	13° O 29'45	
max. Earth dist.	-12187 Nov 28 j 00:53	9° P 30'19	1.34698 AU	max. Earth dist.	-12186 Nov 10 j 10:20	21° O 01'50	1.36164 AU
					-12186 Nov 15 j 00:03	0° P	
superior conj	-12187 Dec 01 j 21:06	17° P 23'40	-1°29'02	superior conj	-12186 Nov 15 j 17:55	1° P 29'41	-1°36'26
minimum elong	-12187 Dec 01 j 22:45	17° P 32'16	1°28'44	minimum elong	-12186 Nov 15 j 18:38	1° P 33'21	1°36'03
	-12187 Dec 07 j 21:01	0° A		evening rise	-12186 Nov 23 j 13:29	17° P 28'32	
evening rise	-12187 Dec 09 j 06:33	2° A 54'50			-12186 Nov 29 j 23:32	0° A	
asc. node	-12187 Dec 13 j 23:53	12° A 24'19		asc. node	-12186 Nov 30 j 21:15	1° A 37'47	
	-12187 Dec 24 j 19:33	0° M		evening max el	-12186 Dec 11 j 19:31	16° A 47'05	20°09'57
evening max el	-12187 Dec 29 j 12:47	5° M 13'56	21°28'29	retrograde	-12186 Dec 22 j 01:10	21° A 35'36	
retrograde	-12186 Jan 10 j 07:57	10° M 47'51		evening set	-12186 Dec 24 j 16:17	21° A 17'58	
evening set	-12186 Jan 13 j 05:55	10° M 28'36		inferior conj	-12185 Jan 02 j 06:43	17° A 16'22	3°30'52
inferior conj	-12186 Jan 22 j 05:43	6° M 28'10	2°11'41	minimum elong	-12185 Jan 02 j 12:03	17° A 08'12	3°29'40
minimum elong	-12186 Jan 22 j 10:48	6° M 20'53	2°09'49	min. Earth dist.	-12185 Jan 04 j 05:59	16° A 04'29	0.56097 AU
min. Earth dist.	-12186 Jan 22 j 16:54	6° M 12'10	0.55476 AU	morning rise	-12185 Jan 11 j 06:05	12° A 46'03	
desc. node	-12186 Jan 31 j 02:18	2° M 24'51		direct	-12185 Jan 15 j 05:04	12° A 11'28	
morning rise	-12186 Jan 31 j 15:11	2° M 17'38		desc. node	-12185 Jan 17 j 23:01	12° A 28'40	
direct	-12186 Feb 03 j 10:42	1° M 59'59		morning max el	-12185 Jan 28 j 18:52	18° A 55'42	23°34'43
morning max el	-12186 Feb 16 j 00:41	8° M 06'12	21°59'07		-12185 Feb 06 j 21:15	0° M	
	-12186 Mar 03 j 05:23	0° X		morning set	-12185 Feb 21 j 12:39	26° M 33'23	
morning set	-12186 Mar 09 j 00:40	11° X 31'41			-12185 Feb 23 j 03:49	0° X	
asc. node	-12186 Mar 11 j 21:42	17° X 33'04		asc. node	-12185 Feb 26 j 18:52	7° X 46'17	
superior conj	-12186 Mar 16 j 08:51	26° X 57'40	0°40'46	superior conj	-12185 Feb 28 j 14:48	11° X 41'56	0°17'13
minimum elong	-12186 Mar 16 j 07:07	26° X 48'37	0°39'43	minimum elong	-12185 Feb 28 j 14:05	11° X 38'08	0°16'24
	-12186 Mar 17 j 19:51	0° Z		max. Earth dist.	-12185 Mar 02 j 17:45	16° X 13'02	1.33699 AU
max. Earth dist.	-12186 Mar 19 j 15:14	3° Z 43'06	1.34649 AU	evening rise	-12185 Mar 08 j 06:30	27° X 36'07	
evening rise	-12186 Mar 24 j 12:52	13° Z 27'45			-12185 Mar 09 j 11:36	0° Z	
	-12186 Apr 02 j 14:51	0° \approx			-12185 Mar 26 j 21:26	0° \approx	
	-12186 Apr 23 j 03:36	0° H		evening max el	-12185 Apr 10 j 19:34	18° \approx 39'56	27°26'45
evening max el	-12186 Apr 28 j 09:22	5° H 41'46	27°05'15	desc. node	-12185 Apr 15 j 23:05	23° \approx 00'08	
desc. node	-12186 Apr 29 j 01:48	6° H 21'25		retrograde	-12185 Apr 24 j 13:13	26° \approx 14'41	
retrograde	-12186 May 11 j 17:03	13° H 13'33		evening set	-12185 May 01 j 11:49	23° \approx 40'28	
evening set	-12186 May 18 j 12:11	10° H 27'52		min. Earth dist.	-12185 May 05 j 03:52	20° \approx 24'02	0.63371 AU
min. Earth dist.	-12186 May 22 j 07:29	6° H 39'57	0.64901 AU				

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

inferior conj	-12185 May 07 j 19:24	17° \approx 37'52	-3°25'30		-12184 Feb 29 j 16:56	0° \approx	
minimum elong	-12185 May 07 j 19:46	17° \approx 36'55	3°26'00		-12184 Mar 21 j 22:56	0° \approx	
morning rise	-12185 May 14 j 04:41	12° \approx 20'42		evening max el	-12184 Mar 23 j 02:44	1° \approx 09'03	27°16'35
direct	-12185 May 16 j 23:39	11° \approx 41'53		desc. node	-12184 Apr 01 j 20:16	7° \approx 52'51	
morning max el	-12185 May 23 j 11:29	15° \approx 05'11	18°05'48	retrograde	-12184 Apr 06 j 02:48	8° \approx 41'15	
asc. node	-12185 May 25 j 18:45	17° \approx 40'06		evening set	-12184 Apr 12 j 20:19	6° \approx 31'22	
	-12185 Jun 02 j 22:39	0° \approx		min. Earth dist.	-12184 Apr 16 j 15:12	3° \approx 35'03	0.61525 AU
morning set	-12185 Jun 09 j 22:09	12° \approx 00'09		inferior conj	-12184 Apr 19 j 18:38	0° \approx 40'35	-3°18'51
	-12185 Jun 20 j 11:35	0° \approx		minimum elong	-12184 Apr 19 j 17:18	0° \approx 43'42	3°19'24
					-12184 Apr 20 j 12:12	30° \approx	
superior conj	-12185 Jun 22 j 13:41	3° \approx 27'39	1°38'19	morning rise	-12184 Apr 26 j 16:07	25° \approx 42'39	
minimum elong	-12185 Jun 22 j 18:18	3° \approx 46'39	1°38'04	direct	-12184 Apr 29 j 06:28	25° \approx 13'11	
max. Earth dist.	-12185 Jun 28 j 03:36	12° \approx 33'07	1.43608 AU	morning max el	-12184 May 06 j 01:13	28° \approx 37'04	18°03'50
evening rise	-12185 Jul 08 j 14:28	29° \approx 04'07			-12184 May 07 j 08:48	0° \approx	
	-12185 Jul 09 j 04:52	0° \approx		asc. node	-12184 May 11 j 15:34	5° \approx 43'04	
desc. node	-12185 Jul 12 j 19:48	5° \approx 35'30		morning set	-12184 May 22 j 10:09	24° \approx 17'59	
	-12185 Jul 29 j 08:30	0° \approx			-12184 May 25 j 13:43	0° \approx	
evening max el	-12185 Aug 05 j 10:56	8° \approx 40'28	20°28'45				
retrograde	-12185 Aug 13 j 08:52	13° \approx 17'43		superior conj	-12184 Jun 02 j 10:00	13° \approx 52'55	1°48'47
evening set	-12185 Aug 17 j 03:55	11° \approx 54'58		minimum elong	-12184 Jun 02 j 10:49	13° \approx 56'31	1°48'33
asc. node	-12185 Aug 21 j 19:47	6° \approx 51'26		max. Earth dist.	-12184 Jun 09 j 12:32	25° \approx 53'17	1.42229 AU
inferior conj	-12185 Aug 22 j 13:52	5° \approx 50'56	0°14'12		-12184 Jun 12 j 00:44	0° \approx	
minimum elong	-12185 Aug 22 j 13:33	5° \approx 52'02	0°14'43	evening rise	-12184 Jun 16 j 17:09	7° \approx 31'03	
transit middle	-12185 Aug 22 j 13:33	5° \approx 52'02	0°14'43	desc. node	-12184 Jun 28 j 17:18	25° \approx 57'38	
transit begin	-12185 Aug 22 j 12:20	5° \approx 56'05			-12184 Jul 01 j 10:59	0° \approx	
transit end	-12185 Aug 22 j 14:45	5° \approx 47'59		evening max el	-12184 Jul 18 j 07:20	22° \approx 03'44	21°40'49
min. Earth dist.	-12185 Aug 23 j 07:53	4° \approx 50'20	0.66680 AU	retrograde	-12184 Jul 27 j 04:48	27° \approx 19'09	
	-12185 Aug 27 j 09:43	30° \approx		evening set	-12184 Jul 31 j 12:30	25° \approx 36'09	
morning rise	-12185 Aug 27 j 22:59	29° \approx 29'56		inferior conj	-12184 Aug 05 j 18:59	19° \approx 25'42	-0°35'30
direct	-12185 Sep 02 j 09:19	27° \approx 11'43		minimum elong	-12184 Aug 05 j 19:43	19° \approx 23'12	0°34'42
	-12185 Sep 09 j 06:18	0° \approx		min. Earth dist.	-12184 Aug 06 j 02:27	18° \approx 59'57	0.67109 AU
morning max el	-12185 Sep 13 j 18:56	3° \approx 59'55	24°37'25	asc. node	-12184 Aug 07 j 16:39	16° \approx 50'57	
	-12185 Oct 03 j 19:01	0° \approx		morning rise	-12184 Aug 11 j 02:48	13° \approx 05'14	
desc. node	-12185 Oct 08 j 17:59	7° \approx 35'22		direct	-12184 Aug 15 j 23:09	11° \approx 04'38	
morning set	-12185 Oct 19 j 12:23	25° \approx 23'21		morning max el	-12184 Aug 26 j 05:43	17° \approx 15'48	23°13'58
	-12185 Oct 22 j 03:02	0° \approx			-12184 Sep 05 j 17:25	0° \approx	
max. Earth dist.	-12185 Oct 23 j 11:31	2° \approx 26'21	1.37976 AU	desc. node	-12184 Sep 24 j 14:55	27° \approx 58'18	
					-12184 Sep 25 j 21:19	0° \approx	
superior conj	-12185 Oct 30 j 04:04	14° \approx 58'40	-1°37'03	morning set	-12184 Sep 29 j 14:21	6° \approx 03'24	
minimum elong	-12185 Oct 30 j 03:18	14° \approx 54'58	1°36'30	max. Earth dist.	-12184 Oct 04 j 10:16	14° \approx 13'11	1.39956 AU
	-12185 Nov 06 j 18:50	0° \approx					
evening rise	-12185 Nov 07 j 15:15	1° \approx 41'20		superior conj	-12184 Oct 11 j 23:12	27° \approx 38'48	-1°28'49
asc. node	-12185 Nov 17 j 18:36	20° \approx 16'47		minimum elong	-12184 Oct 11 j 20:36	27° \approx 26'49	1°27'59
evening max el	-12185 Nov 24 j 12:26	28° \approx 53'51	19°09'41		-12184 Oct 13 j 05:47	0° \approx	
	-12185 Nov 25 j 18:13	0° \approx		evening rise	-12184 Oct 21 j 09:17	15° \approx 26'47	
retrograde	-12185 Dec 03 j 07:39	3° \approx 05'53			-12184 Oct 29 j 06:42	0° \approx	
evening set	-12185 Dec 05 j 19:47	2° \approx 46'55		asc. node	-12184 Nov 03 j 15:53	8° \approx 10'22	
	-12185 Dec 11 j 17:08	30° \approx		evening max el	-12184 Nov 06 j 14:40	11° \approx 31'31	18°29'36
inferior conj	-12185 Dec 13 j 21:57	28° \approx 31'16	4°11'14	retrograde	-12184 Nov 14 j 07:30	15° \approx 19'01	
minimum elong	-12185 Dec 14 j 00:05	28° \approx 27'35	4°11'08	evening set	-12184 Nov 16 j 18:43	14° \approx 56'55	
min. Earth dist.	-12185 Dec 16 j 19:48	26° \approx 31'18	0.57409 AU	inferior conj	-12184 Nov 24 j 08:11	10° \approx 21'12	4°15'04
morning rise	-12185 Dec 22 j 02:20	23° \approx 36'27		minimum elong	-12184 Nov 24 j 06:46	10° \approx 24'01	4°15'15
direct	-12185 Dec 27 j 09:38	22° \approx 30'55		min. Earth dist.	-12184 Nov 27 j 13:06	7° \approx 49'01	0.59139 AU
desc. node	-12184 Jan 04 j 19:41	25° \approx 12'27		morning rise	-12184 Dec 01 j 17:01	5° \approx 04'27	
morning max el	-12184 Jan 10 j 09:36	29° \approx 37'43	25°09'17	direct	-12184 Dec 08 j 02:11	3° \approx 20'56	
	-12184 Jan 10 j 18:49	0° \approx		desc. node	-12184 Dec 21 j 16:17	10° \approx 13'35	
	-12184 Jan 31 j 06:13	0° \approx		morning max el	-12184 Dec 22 j 03:12	10° \approx 39'24	26°27'49
morning set	-12184 Feb 06 j 01:07	11° \approx 38'23			-12183 Jan 06 j 02:54	0° \approx	
				morning set	-12183 Jan 20 j 12:20	26° \approx 39'53	
					-12183 Jan 22 j 02:17	0° \approx	
superior conj	-12184 Feb 13 j 00:28	26° \approx 39'08	-0°06'11				
minimum elong	-12184 Feb 13 j 00:45	26° \approx 40'39	0°06'42	superior conj	-12183 Jan 27 j 12:01	11° \approx 42'32	-0°28'33
behind sun begin	-12184 Feb 12 j 20:08	26° \approx 15'38		minimum elong	-12183 Jan 27 j 13:08	11° \approx 48'42	0°28'47
behind sun end	-12184 Feb 13 j 05:21	27° \approx 05'39		max. Earth dist.	-12183 Jan 27 j 16:04	12° \approx 04'40	1.32802 AU
asc. node	-12184 Feb 13 j 16:05	28° \approx 03'50		asc. node	-12183 Jan 30 j 13:20	18° \approx 21'32	
max. Earth dist.	-12184 Feb 14 j 03:08	29° \approx 03'41	1.33085 AU	evening rise	-12183 Feb 03 j 14:37	26° \approx 58'00	
	-12184 Feb 14 j 13:34	0° \approx			-12183 Feb 05 j 02:02	0° \approx	
evening rise	-12184 Feb 20 j 07:57	12° \approx 09'10					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12183 Feb 22 j 08:43	0°☾		evening max el	-12182 Feb 15 j 02:02	24°☾20'44	25°22'56
evening max el	-12183 Mar 05 j 05:02	13°☾02'05	26°33'52		-12182 Feb 22 j 22:36	0°☾	
retrograde	-12183 Mar 19 j 08:10	20°☾25'58		retrograde	-12182 Mar 01 j 02:58	1°☾28'31	
desc. node	-12183 Mar 19 j 17:23	20°☾25'35		evening set	-12182 Mar 06 j 06:35	0°☾26'13	
evening set	-12183 Mar 25 j 10:47	18°☾49'38		desc. node	-12182 Mar 06 j 14:22	0°☾18'18	
min. Earth dist.	-12183 Mar 29 j 18:29	15°☾58'53	0.59538 AU		-12182 Mar 07 j 06:58	30°☾☿	
inferior conj	-12183 Apr 02 j 02:34	13°☾17'37	-2°50'27	min. Earth dist.	-12182 Mar 11 j 15:37	27°☾27'40	0.57675 AU
minimum elong	-12183 Apr 01 j 23:34	13°☾23'43	2°50'39	inferior conj	-12182 Mar 14 j 16:03	25°☾21'29	-1°54'28
morning rise	-12183 Apr 09 j 15:09	8°☾39'23		minimum elong	-12182 Mar 14 j 12:38	25°☾27'29	1°54'18
direct	-12183 Apr 12 j 00:59	8°☾17'49		morning rise	-12182 Mar 22 j 21:53	21°☾01'44	
morning max el	-12183 Apr 19 j 12:19	11°☾55'18	18°20'46	direct	-12182 Mar 25 j 03:38	20°☾46'11	
asc. node	-12183 Apr 28 j 12:24	24°☾27'05		morning max el	-12182 Apr 02 j 17:53	24°☾51'25	18°57'10
	-12183 May 01 j 15:06	0°♊			-12182 Apr 07 j 03:30	0°☾	
morning set	-12183 May 05 j 14:42	7°♊26'27		asc. node	-12182 Apr 15 j 09:20	13°☾43'04	
				morning set	-12182 Apr 19 j 07:29	21°☾15'48	
superior conj	-12183 May 15 j 07:33	25°♊33'48	1°45'53		-12182 Apr 23 j 18:22	0°♊	
minimum elong	-12183 May 15 j 05:41	25°♊25'20	1°45'23				
	-12183 May 17 j 18:40	0°♋		superior conj	-12182 Apr 28 j 01:18	8°♊17'41	1°33'39
max. Earth dist.	-12183 May 22 j 15:32	8°♋31'10	1.40483 AU	minimum elong	-12182 Apr 27 j 22:20	8°♊03'31	1°32'48
evening rise	-12183 May 27 j 15:46	16°♋56'30		max. Earth dist.	-12182 May 04 j 15:47	20°♊32'15	1.38616 AU
	-12183 Jun 04 j 19:51	0°♌		evening rise	-12182 May 08 j 18:00	27°♊45'16	
desc. node	-12183 Jun 15 j 14:50	16°♌04'12			-12182 May 10 j 01:22	0°♋	
	-12183 Jun 26 j 01:47	0°♌		desc. node	-12182 May 29 j 07:02	0°♌	
evening max el	-12183 Jun 30 j 21:29	5°♌23'38	23°01'16	evening max el	-12182 Jun 02 j 12:20	5°♌48'34	
retrograde	-12183 Jul 10 j 22:21	11°♌21'12		retrograde	-12182 Jun 13 j 07:59	18°♌43'49	24°23'30
evening set	-12183 Jul 15 j 20:12	9°♌16'57		evening set	-12182 Jun 24 j 12:27	25°♌20'46	
inferior conj	-12183 Jul 21 j 01:18	3°♌02'45	-1°21'38	inferior conj	-12182 Jun 30 j 01:07	22°♌56'34	
minimum elong	-12183 Jul 21 j 02:52	2°♌57'20	1°20'43	min. Earth dist.	-12182 Jul 04 j 16:39	17°♌29'41	0.67057 AU
min. Earth dist.	-12183 Jul 20 j 22:10	3°♌13'32	0.67241 AU	inferior conj	-12182 Jul 05 j 07:04	16°♌40'50	-2°02'53
	-12183 Jul 23 j 07:49	30°♌☿		minimum elong	-12182 Jul 05 j 09:11	16°♌33'40	2°02'03
asc. node	-12183 Jul 25 j 13:28	27°♌30'18		morning rise	-12182 Jul 10 j 17:12	10°♌32'39	
morning rise	-12183 Jul 26 j 09:26	26°♌46'37		asc. node	-12182 Jul 12 j 10:16	9°♌33'22	
direct	-12183 Jul 30 j 17:00	25°♌04'06		direct	-12182 Jul 14 j 13:41	9°♌07'19	
	-12183 Aug 08 j 06:58	0°♍		morning max el	-12182 Jul 22 j 15:47	13°♌54'21	20°36'24
morning max el	-12183 Aug 08 j 19:52	0°♍32'36	21°51'24		-12182 Aug 03 j 23:08	0°♍	
	-12183 Aug 30 j 14:17	0°♎		morning set	-12182 Aug 19 j 19:51	24°♍03'37	
morning set	-12183 Sep 09 j 14:12	15°♎28'21			-12182 Aug 23 j 14:55	0°♎	
desc. node	-12183 Sep 11 j 11:57	18°♎31'07		desc. node	-12182 Aug 29 j 09:07	9°♎09'50	
max. Earth dist.	-12183 Sep 16 j 12:51	26°♎44'09	1.41837 AU	max. Earth dist.	-12182 Aug 29 j 22:10	10°♎02'22	1.43356 AU
	-12183 Sep 18 j 11:50	0°♏					
superior conj	-12183 Sep 23 j 21:52	9°♏15'53	-1°09'29	superior conj	-12182 Sep 04 j 18:33	19°♎35'57	-0°37'44
minimum elong	-12183 Sep 23 j 17:50	8°♏58'19	1°08'23	minimum elong	-12182 Sep 04 j 15:08	19°♎21'49	0°36'37
evening rise	-12183 Oct 04 j 16:15	28°♏36'59			-12182 Sep 10 j 22:53	0°♏	
	-12183 Oct 05 j 10:22	0°♐		evening rise	-12182 Sep 17 j 07:46	11°♏01'26	
evening max el	-12183 Oct 20 j 23:45	24°♐33'10	18°09'40		-12182 Sep 28 j 12:44	0°♐	
asc. node	-12183 Oct 21 j 13:06	25°♐05'11		evening max el	-12182 Oct 04 j 12:40	7°♐50'37	18°09'01
retrograde	-12183 Oct 27 j 23:37	28°♐07'59		asc. node	-12182 Oct 08 j 10:19	10°♐45'17	
evening set	-12183 Oct 30 j 11:40	27°♐41'04		retrograde	-12182 Oct 11 j 04:22	11°♐23'12	
inferior conj	-12183 Nov 06 j 12:48	22°♐43'48	3°52'47	evening set	-12182 Oct 13 j 19:09	10°♐49'24	
minimum elong	-12183 Nov 06 j 09:24	22°♐51'35	3°52'42	inferior conj	-12182 Oct 20 j 08:55	5°♐32'02	3°14'29
min. Earth dist.	-12183 Nov 09 j 12:59	19°♐59'51	0.60987 AU	minimum elong	-12182 Oct 20 j 05:05	5°♐41'54	3°14'09
morning rise	-12183 Nov 13 j 05:47	17°♐08'24		min. Earth dist.	-12182 Oct 22 j 22:09	2°♐54'35	0.62723 AU
direct	-12183 Nov 20 j 04:45	14°♐52'15			-12182 Oct 26 j 03:43	30°♐☿	
morning max el	-12183 Dec 04 j 02:56	22°♐17'29	27°18'07	morning rise	-12182 Oct 26 j 14:04	29°♐40'27	
desc. node	-12183 Dec 08 j 12:53	26°♐58'50		direct	-12182 Nov 02 j 15:17	27°♐04'04	
	-12183 Dec 11 j 00:56	0°♑			-12182 Nov 10 j 19:41	0°♑	
	-12183 Dec 30 j 00:45	0°♒		morning max el	-12182 Nov 16 j 08:37	4°♑34'16	27°34'13
morning set	-12182 Jan 04 j 20:26	11°♒31'08		desc. node	-12182 Nov 25 j 09:30	14°♑58'35	
max. Earth dist.	-12182 Jan 11 j 05:00	25°♒03'45	1.32851 AU		-12182 Dec 05 j 15:15	0°♑	
				morning set	-12182 Dec 19 j 23:07	26°♑03'08	
superior conj	-12182 Jan 11 j 23:48	26°♒46'12	-0°49'12		-12182 Dec 21 j 21:29	0°♒	
minimum elong	-12182 Jan 12 j 01:33	26°♒55'42	0°49'13	max. Earth dist.	-12182 Dec 25 j 14:13	7°♒46'58	1.33255 AU
	-12182 Jan 13 j 11:20	0°♓					
asc. node	-12182 Jan 17 j 10:38	8°♓35'19		superior conj	-12182 Dec 27 j 10:04	11°♓42'36	-1°07'25
evening rise	-12182 Jan 19 j 00:28	11°♓55'26		minimum elong	-12182 Dec 27 j 12:07	11°♓53'36	1°07'16
	-12182 Jan 28 j 08:13	0°♈		evening rise	-12181 Jan 03 j 11:40	26°♓53'37	
				asc. node	-12181 Jan 04 j 07:59	28°♓39'44	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12181 Jan 04 j 23:30	0°♌		evening rise	-12181 Dec 18 j 22:35	11°♑46'40	
	-12181 Jan 22 j 22:55	0°♏		asc. node	-12181 Dec 22 j 05:21	18°♑29'25	
evening max el	-12181 Jan 27 j 19:28	5°♏15'38	23°53'46		-12181 Dec 28 j 10:19	0°♌	
retrograde	-12181 Feb 10 j 09:18	11°♏56'35		evening max el	-12180 Jan 09 j 14:04	16°♌09'11	22°19'41
evening set	-12181 Feb 14 j 11:22	11°♏19'41		retrograde	-12180 Jan 22 j 04:30	22°♌10'39	
desc. node	-12181 Feb 21 j 11:16	7°♏57'49		evening set	-12180 Jan 25 j 09:56	21°♌47'42	
min. Earth dist.	-12181 Feb 21 j 08:36	8°♏01'52	0.56240 AU	inferior conj	-12180 Feb 03 j 12:00	17°♌39'07	1°13'50
inferior conj	-12181 Feb 23 j 09:48	6°♏46'21	-0°29'22	minimum elong	-12180 Feb 03 j 15:05	17°♌34'41	1°12'21
minimum elong	-12181 Feb 23 j 08:36	6°♏48'11	0°29'39	min. Earth dist.	-12180 Feb 02 j 23:28	17°♌57'05	0.55510 AU
morning rise	-12181 Mar 04 j 08:26	2°♏40'18		desc. node	-12180 Feb 08 j 08:06	15°♌04'32	
direct	-12181 Mar 06 j 12:21	2°♏28'04		morning rise	-12180 Feb 12 j 21:05	13°♌34'56	
morning max el	-12181 Mar 16 j 14:52	7°♏15'01	19°53'25	direct	-12180 Feb 15 j 06:42	13°♌21'37	
	-12181 Mar 31 j 13:14	0°♏		morning max el	-12180 Feb 27 j 01:02	18°♌59'16	21°08'39
asc. node	-12181 Apr 02 j 06:20	3°♏22'35			-12180 Mar 06 j 17:29	0°♏	
morning set	-12181 Apr 03 j 08:56	5°♏35'40		morning set	-12180 Mar 17 j 16:12	20°♏17'35	
				asc. node	-12180 Mar 19 j 03:23	23°♏19'16	
superior conj	-12181 Apr 11 j 10:00	21°♏49'50	1°15'31		-12180 Mar 22 j 08:21	0°♏	
minimum elong	-12181 Apr 11 j 07:04	21°♏35'13	1°14'27				
	-12181 Apr 15 j 14:21	0°♏		superior conj	-12180 Mar 25 j 05:23	5°♏57'51	0°53'59
max. Earth dist.	-12181 Apr 16 j 18:42	2°♏15'04	1.36849 AU	minimum elong	-12180 Mar 25 j 03:07	5°♏46'11	0°52'54
evening rise	-12181 Apr 20 j 20:53	9°♏50'01		max. Earth dist.	-12180 Mar 29 j 05:26	14°♏04'25	1.35351 AU
	-12181 May 02 j 18:01	0°♏		evening rise	-12180 Apr 02 j 18:46	22°♏54'55	
desc. node	-12181 May 20 j 09:48	25°♏01'35			-12180 Apr 06 j 14:49	0°♏	
	-12181 May 24 j 17:17	0°♏			-12180 Apr 25 j 09:49	0°♏	
evening max el	-12181 May 26 j 17:38	2°♏05'27	25°39'24	desc. node	-12180 May 06 j 07:14	13°♏30'11	
retrograde	-12181 Jun 07 j 22:24	9°♏13'15		evening max el	-12180 May 08 j 03:57	15°♏24'53	26°40'15
evening set	-12181 Jun 14 j 01:12	6°♏33'33		retrograde	-12180 May 21 j 03:38	22°♏51'58	
min. Earth dist.	-12181 Jun 18 j 07:32	1°♏45'44	0.66521 AU	evening set	-12180 May 27 j 18:04	20°♏05'00	
inferior conj	-12181 Jun 19 j 10:29	0°♏18'17	-2°37'52	min. Earth dist.	-12180 May 31 j 16:40	15°♏56'13	0.65602 AU
minimum elong	-12181 Jun 19 j 12:46	0°♏10'51	2°37'20	inferior conj	-12180 Jun 02 j 09:26	13°♏52'15	-3°04'55
	-12181 Jun 19 j 16:07	30°♏		minimum elong	-12180 Jun 02 j 11:26	13°♏46'11	3°04'49
morning rise	-12181 Jun 25 j 00:22	24°♏21'10		morning rise	-12180 Jun 08 j 05:03	8°♏08'49	
direct	-12181 Jun 28 j 11:34	23°♏11'23		direct	-12180 Jun 11 j 08:44	7°♏12'36	
asc. node	-12181 Jun 29 j 07:04	23°♏15'05		asc. node	-12180 Jun 15 j 03:52	8°♏29'06	
morning max el	-12181 Jul 05 j 18:20	27°♏23'20	19°33'38	morning max el	-12180 Jun 18 j 02:37	10°♏58'08	18°45'58
	-12181 Jul 08 j 02:07	0°♏			-12180 Jul 01 j 12:52	0°♏	
	-12181 Jul 28 j 08:29	0°♏		morning set	-12180 Jul 09 j 01:03	12°♏07'14	
morning set	-12181 Jul 30 j 01:39	2°♏41'12			-12180 Jul 20 j 04:46	0°♏	
max. Earth dist.	-12181 Aug 12 j 12:45	23°♏53'36	1.44304 AU				
superior conj	-12181 Aug 15 j 12:04	28°♏37'46	0°04'34	superior conj	-12180 Jul 24 j 12:56	6°♏53'01	0°49'19
minimum elong	-12181 Aug 15 j 12:40	28°♏40'11	0°05'06	minimum elong	-12180 Jul 24 j 18:27	7°♏14'52	0°49'07
behind sun begin	-12181 Aug 15 j 02:03	27°♏57'46		max. Earth dist.	-12180 Jul 25 j 05:08	7°♏57'06	1.44575 AU
behind sun end	-12181 Aug 15 j 23:17	29°♏22'38		desc. node	-12180 Aug 02 j 03:45	20°♏31'14	
desc. node	-12181 Aug 16 j 06:23	29°♏51'03			-12180 Aug 08 j 02:57	0°♏	
	-12181 Aug 16 j 08:37	0°♏		evening rise	-12180 Aug 09 j 18:35	2°♏37'56	
evening rise	-12181 Aug 30 j 02:21	22°♏26'41			-12180 Aug 27 j 13:50	0°♏	
	-12181 Sep 03 j 15:19	0°♏		evening max el	-12180 Aug 31 j 13:57	4°♏46'59	19°01'46
evening max el	-12181 Sep 18 j 02:22	21°♏17'17	18°26'42	retrograde	-12180 Sep 07 j 11:52	8°♏41'53	
retrograde	-12181 Sep 24 j 17:39	24°♏56'42		evening set	-12180 Sep 10 j 14:48	7°♏46'01	
asc. node	-12181 Sep 25 j 07:28	24°♏54'53		asc. node	-12180 Sep 11 j 04:33	7°♏23'52	
evening set	-12181 Sep 27 j 13:21	24°♏13'27		inferior conj	-12180 Sep 16 j 10:13	1°♏57'49	1°36'11
inferior conj	-12181 Oct 03 j 17:06	18°♏39'01	2°27'25	minimum elong	-12180 Sep 16 j 08:01	2°♏04'38	1°36'06
minimum elong	-12181 Oct 03 j 13:51	18°♏48'19	2°27'05	min. Earth dist.	-12180 Sep 17 j 22:14	0°♏06'23	0.65407 AU
min. Earth dist.	-12181 Oct 05 j 17:35	16°♏20'44	0.64212 AU		-12180 Sep 18 j 00:19	30°♏	
morning rise	-12181 Oct 09 j 13:41	12°♏34'11		morning rise	-12180 Sep 22 j 00:45	25°♏43'31	
direct	-12181 Oct 16 j 08:53	9°♏50'44		direct	-12180 Sep 28 j 08:57	23°♏03'57	
morning max el	-12181 Oct 29 j 18:03	17°♏22'33	27°16'34		-12180 Oct 10 j 16:39	0°♏	
	-12181 Nov 09 j 11:19	0°♏		morning max el	-12180 Oct 11 j 04:28	0°♏28'55	26°30'07
desc. node	-12181 Nov 12 j 06:11	3°♏51'28		desc. node	-12180 Oct 29 j 02:54	23°♏21'27	
	-12181 Nov 28 j 09:12	0°♏			-12180 Nov 02 j 10:21	0°♏	
morning set	-12181 Dec 03 j 17:39	10°♏06'54		morning set	-12180 Nov 16 j 00:23	23°♏30'53	
max. Earth dist.	-12181 Dec 08 j 16:02	20°♏03'25	1.34053 AU		-12180 Nov 19 j 09:28	0°♏	
				max. Earth dist.	-12180 Nov 20 j 07:24	1°♏47'50	1.35269 AU
superior conj	-12181 Dec 11 j 16:59	26°♏25'27	-1°22'21	superior conj	-12180 Nov 24 j 18:14	10°♏47'01	-1°32'54
minimum elong	-12181 Dec 11 j 18:55	26°♏35'40	1°22'06	minimum elong	-12180 Nov 24 j 19:34	10°♏53'51	1°32'35
	-12181 Dec 13 j 09:23	0°♏		evening rise	-12180 Dec 02 j 07:27	26°♏28'37	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12180 Dec 04 j 00:50	0°♊		minimum elong	-12179 Nov 08 j 11:06	24°♊39'16	1°37'13
asc. node	-12180 Dec 08 j 02:44	7°♊58'07			-12179 Nov 11 j 03:17	0°♊	
evening max el	-12180 Dec 21 j 15:20	27°♊24'07	20°53'05	evening rise	-12179 Nov 16 j 12:24	10°♊53'40	
	-12180 Dec 24 j 20:56	0°♊		asc. node	-12179 Nov 25 j 00:05	26°♊58'01	
retrograde	-12179 Jan 01 j 19:10	2°♊38'30			-12179 Nov 26 j 20:37	0°♊	
evening set	-12179 Jan 04 j 13:09	2°♊20'39		evening max el	-12179 Dec 04 j 02:29	9°♊12'03	19°41'59
	-12179 Jan 10 j 12:02	30°♊		retrograde	-12179 Dec 13 j 16:37	13°♊43'10	
inferior conj	-12179 Jan 13 j 09:35	28°♊21'41	2°49'30	evening set	-12179 Dec 16 j 06:10	13°♊25'16	
minimum elong	-12179 Jan 13 j 15:20	28°♊13'18	2°47'45	inferior conj	-12179 Dec 24 j 15:36	9°♊19'20	3°52'58
min. Earth dist.	-12179 Jan 14 j 13:21	27°♊41'15	0.55638 AU	minimum elong	-12179 Dec 24 j 19:50	9°♊12'34	3°52'16
morning rise	-12179 Jan 22 j 16:17	24°♊03'32		min. Earth dist.	-12179 Dec 27 j 02:41	7°♊45'15	0.56583 AU
desc. node	-12179 Jan 25 j 04:50	23°♊41'39		morning rise	-12178 Jan 02 j 07:25	4°♊38'27	
direct	-12179 Jan 25 j 21:50	23°♊40'31		direct	-12178 Jan 06 j 20:31	3°♊51'57	
	-12179 Feb 07 j 21:55	0°♊		desc. node	-12178 Jan 12 j 01:31	4°♊54'09	
morning max el	-12179 Feb 08 j 00:13	0°♊05'30	22°39'02	morning max el	-12178 Jan 20 j 15:57	10°♊48'07	24°15'53
	-12179 Feb 27 j 13:43	0°♊			-12178 Feb 04 j 00:50	0°♊	
morning set	-12179 Mar 02 j 03:01	5°♊14'17		morning set	-12178 Feb 14 j 15:24	20°♊18'12	
asc. node	-12179 Mar 06 j 00:30	13°♊27'59			-12178 Feb 19 j 04:17	0°♊	
				asc. node	-12178 Feb 20 j 21:39	3°♊43'34	
superior conj	-12179 Mar 09 j 08:15	20°♊31'50	0°30'49				
minimum elong	-12179 Mar 09 j 06:57	20°♊24'56	0°29'52	superior conj	-12178 Feb 21 j 16:00	5°♊22'38	0°07'15
max. Earth dist.	-12179 Mar 12 j 02:19	26°♊18'04	1.34198 AU	minimum elong	-12178 Feb 21 j 15:44	5°♊21'07	0°06'33
	-12179 Mar 13 j 21:29	0°♊		behind sun begin	-12178 Feb 21 j 11:02	4°♊55'46	
evening rise	-12179 Mar 17 j 06:25	6°♊44'37		behind sun end	-12178 Feb 21 j 20:26	5°♊46'26	
	-12179 Mar 30 j 05:34	0°♊		max. Earth dist.	-12178 Feb 23 j 08:07	8°♊58'03	1.33399 AU
evening max el	-12179 Apr 20 j 14:44	28°♊34'48	27°18'03	evening rise	-12178 Mar 01 j 03:45	21°♊05'11	
	-12179 Apr 22 j 02:53	0°♊			-12178 Mar 05 j 17:18	0°♊	
desc. node	-12179 Apr 23 j 04:34	0°♊56'29			-12178 Mar 24 j 06:13	0°♊	
retrograde	-12179 May 04 j 03:34	6°♊09'38		evening max el	-12178 Apr 03 j 00:07	11°♊22'49	27°26'32
evening set	-12179 May 11 j 00:55	3°♊27'07		desc. node	-12178 Apr 10 j 01:50	16°♊54'25	
	-12179 May 14 j 15:52	30°♊		retrograde	-12178 Apr 16 j 21:06	18°♊56'52	
min. Earth dist.	-12179 May 14 j 18:14	29°♊53'36	0.64289 AU	evening set	-12178 Apr 23 j 18:30	16°♊31'53	
inferior conj	-12179 May 17 j 01:34	27°♊19'32	-3°21'45	min. Earth dist.	-12178 Apr 27 j 10:57	13°♊25'18	0.62617 AU
minimum elong	-12179 May 17 j 02:42	27°♊16'23	3°22'04	inferior conj	-12178 Apr 30 j 07:56	10°♊33'31	-3°24'59
morning rise	-12179 May 23 j 05:08	21°♊52'03		minimum elong	-12178 Apr 30 j 07:37	10°♊34'18	3°25'33
direct	-12179 May 26 j 02:52	21°♊07'26		morning rise	-12178 May 06 j 22:01	5°♊24'02	
morning max el	-12179 Jun 01 j 14:51	24°♊36'09	18°15'16	direct	-12178 May 09 j 14:56	4°♊49'20	
asc. node	-12179 Jun 02 j 00:39	25°♊01'17		morning max el	-12178 May 16 j 04:41	8°♊11'40	18°02'36
	-12179 Jun 06 j 00:52	0°♊		asc. node	-12178 May 19 j 21:25	12°♊35'01	
morning set	-12179 Jun 20 j 01:36	22°♊43'15			-12178 May 30 j 13:28	0°♊	
	-12179 Jun 24 j 09:37	0°♊		morning set	-12178 Jun 02 j 01:56	4°♊26'57	
superior conj	-12179 Jul 03 j 18:59	15°♊25'12	1°24'56	superior conj	-12178 Jun 13 j 23:33	25°♊03'27	1°44'38
minimum elong	-12179 Jul 04 j 01:14	15°♊50'26	1°24'36	minimum elong	-12178 Jun 14 j 02:33	25°♊16'02	1°44'27
max. Earth dist.	-12179 Jul 07 j 20:36	21°♊56'43	1.44150 AU		-12178 Jun 16 j 22:40	0°♊	
	-12179 Jul 12 j 22:37	0°♊		max. Earth dist.	-12178 Jun 20 j 08:44	5°♊36'29	1.43086 AU
evening rise	-12179 Jul 20 j 08:26	11°♊35'44		evening rise	-12178 Jun 29 j 08:38	19°♊55'41	
desc. node	-12179 Jul 20 j 01:09	11°♊07'25			-12178 Jul 05 j 21:22	0°♊	
	-12179 Aug 01 j 07:34	0°♊		desc. node	-12178 Jul 06 j 22:37	1°♊35'59	
greatest brilliancy	-12179 Aug 01 j 17:49	0°♊38'35	-0.7m		-12178 Jul 27 j 07:12	0°♊	
evening max el	-12179 Aug 14 j 20:57	18°♊16'24	19°52'53	evening max el	-12178 Jul 28 j 21:32	1°♊42'42	20°58'10
retrograde	-12179 Aug 22 j 08:13	22°♊35'25		retrograde	-12178 Aug 06 j 04:42	6°♊34'53	
evening set	-12179 Aug 25 j 20:46	21°♊23'31		evening set	-12178 Aug 10 j 04:58	5°♊03'47	
asc. node	-12179 Aug 29 j 01:33	18°♊21'32			-12178 Aug 14 j 18:37	30°♊	
inferior conj	-12179 Aug 31 j 09:38	15°♊24'39	0°43'54	inferior conj	-12178 Aug 15 j 13:13	28°♊56'58	-0°07'15
minimum elong	-12179 Aug 31 j 08:38	15°♊27'57	0°44'12	minimum elong	-12178 Aug 15 j 13:22	28°♊56'29	0°06'36
min. Earth dist.	-12179 Sep 01 j 10:04	14°♊04'30	0.66304 AU	transit middle	-12178 Aug 15 j 13:22	28°♊56'29	0°06'36
morning rise	-12179 Sep 05 j 20:13	9°♊04'56		transit begin	-12178 Aug 15 j 10:52	29°♊04'58	
direct	-12179 Sep 11 j 14:54	6°♊37'16		transit end	-12178 Aug 15 j 15:51	28°♊47'59	
morning max el	-12179 Sep 23 j 14:20	13°♊42'32	25°22'24	asc. node	-12178 Aug 15 j 22:29	28°♊25'25	
	-12179 Oct 06 j 22:17	0°♊		min. Earth dist.	-12178 Aug 16 j 02:46	28°♊10'51	0.66902 AU
desc. node	-12179 Oct 15 j 23:40	13°♊17'52		morning rise	-12178 Aug 20 j 21:35	22°♊35'54	
	-12179 Oct 26 j 04:37	0°♊		direct	-12178 Aug 26 j 02:01	20°♊24'47	
morning set	-12179 Oct 29 j 14:41	6°♊01'30		morning max el	-12178 Sep 06 j 00:08	26°♊57'46	24°02'17
max. Earth dist.	-12179 Nov 02 j 12:17	13°♊10'39	1.36895 AU		-12178 Sep 08 j 19:49	0°♊	
					-12178 Sep 30 j 14:03	0°♊	
superior conj	-12179 Nov 08 j 10:57	24°♊38'29	-1°37'40	desc. node	-12178 Oct 02 j 20:32	3°♊33'08	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning set	-12178 Oct 11 j 07:15	17° Ω 25'03			-12177 Sep 23 j 10:07	0° Ω	
max. Earth dist.	-12178 Oct 15 j 11:31	24° Ω 41'08	1.38811 AU	max. Earth dist.	-12177 Sep 27 j 11:56	6° Ω 47'45	1.40786 AU
	-12178 Oct 18 j 10:25	0° Ω					
superior conj	-12178 Oct 22 j 15:23	7° Ω 49'04	-1°34'48	superior conj	-12177 Oct 05 j 02:31	20° Ω 04'12	-1°22'06
minimum elong	-12178 Oct 22 j 13:51	7° Ω 41'49	1°34'08	minimum elong	-12177 Oct 04 j 23:10	19° Ω 49'11	1°21'08
evening rise	-12178 Oct 31 j 11:14	24° Ω 56'07		evening rise	-12177 Oct 10 j 12:41	0° Ω	
	-12178 Nov 03 j 01:52	0° Ω			-12177 Oct 27 j 12:56	0° Ω	
asc. node	-12178 Nov 11 j 21:24	15° Ω 19'37		asc. node	-12177 Oct 29 j 18:43	2° Ω 50'04	
evening max el	-12178 Nov 16 j 23:42	21° Ω 33'29	18°50'12	evening max el	-12177 Oct 31 j 05:07	4° Ω 21'49	18°18'40
retrograde	-12178 Nov 25 j 06:16	25° Ω 33'16		retrograde	-12177 Nov 07 j 13:39	8° Ω 02'53	
evening set	-12178 Nov 27 j 18:01	25° Ω 13'00		evening set	-12177 Nov 10 j 00:59	7° Ω 38'56	
inferior conj	-12178 Dec 05 j 14:44	20° Ω 49'09	4°16'48	inferior conj	-12177 Nov 17 j 09:03	2° Ω 53'38	4°08'08
minimum elong	-12178 Dec 05 j 15:15	20° Ω 48'14	4°16'55	minimum elong	-12177 Nov 17 j 06:35	2° Ω 58'52	4°08'15
min. Earth dist.	-12178 Dec 08 j 17:20	18° Ω 33'24	0.58113 AU	min. Earth dist.	-12177 Nov 20 j 12:52	0° Ω 14'13	0.59923 AU
morning rise	-12178 Dec 13 j 10:34	15° Ω 45'03			-12177 Nov 20 j 19:57	30° Ω	
direct	-12178 Dec 19 j 06:22	14° Ω 23'29		morning rise	-12177 Nov 24 j 10:37	27° Ω 28'33	
desc. node	-12178 Dec 29 j 22:08	18° Ω 40'48		direct	-12177 Dec 01 j 02:59	25° Ω 30'21	
morning max el	-12177 Jan 02 j 07:05	21° Ω 35'20	25°45'30		-12177 Dec 11 j 20:34	0° Ω	
	-12177 Jan 09 j 16:15	0° Ω		morning max el	-12177 Dec 15 j 03:16	2° Ω 51'33	26°53'18
	-12177 Jan 27 j 12:54	0° Ω		desc. node	-12177 Dec 16 j 18:42	4° Ω 29'59	
morning set	-12177 Jan 30 j 03:35	5° Ω 23'01			-12176 Jan 03 j 22:40	0° Ω	
				morning set	-12176 Jan 14 j 13:45	20° Ω 21'06	
superior conj	-12177 Feb 06 j 02:42	20° Ω 23'33	-0°15'48		-12176 Jan 19 j 02:26	0° Ω	
minimum elong	-12177 Feb 06 j 03:21	20° Ω 27'09	0°16'13				
max. Earth dist.	-12177 Feb 06 j 19:41	21° Ω 56'03	1.32933 AU	superior conj	-12176 Jan 21 j 14:32	5° Ω 27'32	-0°37'33
asc. node	-12177 Feb 07 j 18:52	24° Ω 01'56		minimum elong	-12176 Jan 21 j 15:58	5° Ω 35'18	0°37'42
	-12177 Feb 10 j 13:31	0° Ω		max. Earth dist.	-12176 Jan 21 j 09:12	4° Ω 58'24	1.32783 AU
evening rise	-12177 Feb 13 j 07:45	5° Ω 46'35		asc. node	-12176 Jan 25 j 16:09	14° Ω 18'26	
	-12177 Feb 26 j 09:10	0° Ω		evening rise	-12176 Jan 28 j 16:00	20° Ω 39'41	
evening max el	-12177 Mar 16 j 05:35	23° Ω 37'53	27°02'13		-12176 Feb 02 j 07:08	0° Ω	
	-12177 Mar 25 j 04:42	0° Ω			-12176 Feb 21 j 08:17	0° Ω	
desc. node	-12177 Mar 27 j 23:00	0° Ω 51'54		evening max el	-12176 Feb 26 j 05:26	5° Ω 15'00	26°06'33
retrograde	-12177 Mar 30 j 07:03	1° Ω 06'14		retrograde	-12176 Mar 11 j 08:07	12° Ω 33'14	
	-12177 Apr 04 j 05:02	30° Ω		desc. node	-12176 Mar 13 j 20:02	12° Ω 17'40	
evening set	-12177 Apr 05 j 19:33	29° Ω 10'06		evening set	-12176 Mar 17 j 01:59	11° Ω 11'35	
min. Earth dist.	-12177 Apr 09 j 18:36	26° Ω 17'58	0.60694 AU	min. Earth dist.	-12176 Mar 21 j 18:42	8° Ω 19'20	0.58718 AU
inferior conj	-12177 Apr 13 j 01:07	23° Ω 26'38	-3°09'51	inferior conj	-12176 Mar 25 j 01:31	5° Ω 50'23	-2°30'21
minimum elong	-12177 Apr 12 j 23:01	23° Ω 31'15	3°10'17	minimum elong	-12176 Mar 24 j 22:06	5° Ω 56'55	2°30'20
morning rise	-12177 Apr 20 j 04:39	18° Ω 36'51		morning rise	-12176 Apr 01 j 21:18	1° Ω 20'39	
direct	-12177 Apr 22 j 17:14	18° Ω 10'46		direct	-12176 Apr 04 j 05:26	1° Ω 01'52	
morning max el	-12177 Apr 29 j 17:34	21° Ω 38'29	18°08'38	morning max el	-12176 Apr 12 j 02:45	4° Ω 48'53	18°33'53
	-12177 May 06 j 03:57	0° Ω		asc. node	-12176 Apr 22 j 15:05	19° Ω 55'27	
asc. node	-12177 May 06 j 18:12	0° Ω 56'40		morning set	-12176 Apr 28 j 07:48	0° Ω 35'20	
morning set	-12177 May 15 j 21:33	17° Ω 07'55			-12176 Apr 28 j 00:26	0° Ω	
	-12177 May 22 j 22:01	0° Ω					
superior conj	-12177 May 26 j 07:05	6° Ω 02'01	1°48'57	superior conj	-12176 May 07 j 13:59	18° Ω 12'19	1°41'37
minimum elong	-12177 May 26 j 06:34	5° Ω 59'45	1°48'38	minimum elong	-12176 May 07 j 11:29	18° Ω 00'41	1°40'58
max. Earth dist.	-12177 Jun 02 j 15:35	18° Ω 41'27	1.41525 AU	max. Earth dist.	-12176 May 14 j 02:37	0° Ω	
evening rise	-12177 Jun 08 j 17:55	28° Ω 41'59		evening rise	-12176 May 14 j 17:05	1° Ω 03'26	1.39688 AU
	-12177 Jun 09 j 13:22	0° Ω			-12176 May 19 j 04:09	8° Ω 42'20	
desc. node	-12177 Jun 23 j 20:09	21° Ω 52'24			-12176 Jun 01 j 13:25	0° Ω	
	-12177 Jun 29 j 12:36	0° Ω		desc. node	-12176 Jun 09 j 17:42	11° Ω 51'01	
evening max el	-12177 Jul 11 j 15:06	15° Ω 04'30	22°14'22	evening max el	-12176 Jun 23 j 03:12	28° Ω 24'00	23°36'25
retrograde	-12177 Jul 20 j 23:41	20° Ω 37'13			-12176 Jun 24 j 19:09	0° Ω	
evening set	-12177 Jul 25 j 13:24	18° Ω 44'58		retrograde	-12176 Jul 03 j 16:01	4° Ω 39'26	
inferior conj	-12177 Jul 30 j 19:02	12° Ω 32'42	-0°55'38	evening set	-12176 Jul 08 j 20:12	2° Ω 26'06	
minimum elong	-12177 Jul 30 j 20:09	12° Ω 28'51	0°54'44		-12176 Jul 11 j 03:52	30° Ω	
min. Earth dist.	-12177 Jul 30 j 21:59	12° Ω 22'30	0.67205 AU	min. Earth dist.	-12176 Jul 13 j 17:27	26° Ω 37'58	0.67202 AU
asc. node	-12177 Aug 02 j 19:20	8° Ω 34'45		inferior conj	-12176 Jul 14 j 01:21	26° Ω 10'47	-1°39'51
morning rise	-12177 Aug 05 j 02:49	6° Ω 13'55		minimum elong	-12176 Jul 14 j 03:11	26° Ω 04'27	1°38'55
direct	-12177 Aug 09 j 17:33	4° Ω 21'11		morning rise	-12176 Jul 19 j 10:09	19° Ω 57'46	
morning max el	-12177 Aug 19 j 12:03	10° Ω 13'51	22°38'21	asc. node	-12176 Jul 19 j 16:08	19° Ω 46'29	
	-12177 Sep 03 j 22:01	0° Ω		direct	-12176 Jul 23 j 12:41	18° Ω 22'59	
desc. node	-12177 Sep 19 j 17:30	24° Ω 00'54		morning max el	-12176 Aug 01 j 04:39	23° Ω 33'33	21°18'17
morning set	-12177 Sep 21 j 21:51	27° Ω 31'55			-12176 Aug 06 j 16:08	0° Ω	
					-12176 Aug 27 j 07:42	0° Ω	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning set	-12176 Aug 31 j 12:21	6° Π 31'27		desc. node	-12175 Aug 23 j 11:52	5° Π 17'29	
desc. node	-12176 Sep 05 j 14:38	14° Π 37'05					
max. Earth dist.	-12176 Sep 08 j 17:28	19° Π 40'30	1.42541 AU	superior conj	-12175 Aug 26 j 23:22	10° Π 54'59	-0°20'45
	-12176 Sep 14 j 22:16	0° \mathfrak{C}		minimum elong	-12175 Aug 26 j 21:16	10° Π 46'25	0°19'48
					-12175 Sep 07 j 10:13	0° \mathfrak{C}	
superior conj	-12176 Sep 15 j 14:39	1° \mathfrak{C} 09'38	-0°57'32	evening rise	-12175 Sep 09 j 09:22	3° \mathfrak{C} 21'11	
minimum elong	-12176 Sep 15 j 10:30	0° \mathfrak{C} 52'01	0°56'21		-12175 Sep 26 j 09:53	0° Ω	
evening rise	-12176 Sep 27 j 02:06	21° \mathfrak{C} 20'29		evening max el	-12175 Sep 27 j 05:45	0° Ω 52'53	18°14'25
	-12176 Oct 01 j 22:20	0° Ω		asc. node	-12175 Oct 02 j 13:07	4° Ω 18'22	
evening max el	-12176 Oct 13 j 16:08	17° Ω 30'38	18°07'02	retrograde	-12175 Oct 03 j 20:27	4° Ω 27'15	
asc. node	-12176 Oct 15 j 15:57	19° Ω 15'02		evening set	-12175 Oct 06 j 13:00	3° Ω 49'53	
retrograde	-12176 Oct 20 j 11:44	21° Ω 03'41			-12175 Oct 11 j 10:30	30° \mathfrak{R} \mathfrak{C}	
evening set	-12176 Oct 23 j 00:32	20° Ω 34'16		inferior conj	-12175 Oct 12 j 22:21	28° \mathfrak{C} 25'12	2°55'17
inferior conj	-12176 Oct 29 j 20:42	15° Ω 28'10	3°37'59	minimum elong	-12175 Oct 12 j 18:41	28° \mathfrak{C} 35'07	2°54'53
minimum elong	-12176 Oct 29 j 16:57	15° Ω 37'12	3°37'46	min. Earth dist.	-12175 Oct 15 j 06:22	25° \mathfrak{C} 54'20	0.63393 AU
min. Earth dist.	-12176 Nov 01 j 16:42	12° Ω 44'49	0.61748 AU	morning rise	-12175 Oct 18 j 23:29	22° \mathfrak{C} 27'33	
morning rise	-12176 Nov 05 j 08:09	9° Ω 45'10		direct	-12175 Oct 25 j 23:05	19° \mathfrak{C} 46'12	
direct	-12176 Nov 12 j 09:08	7° Ω 18'41		morning max el	-12175 Nov 08 j 13:26	27° \mathfrak{C} 18'24	27°30'33
morning max el	-12176 Nov 26 j 05:57	14° Ω 47'07	27°29'15		-12175 Nov 11 j 04:13	0° Ω	
desc. node	-12176 Dec 02 j 15:19	21° Ω 49'46		desc. node	-12175 Nov 19 j 11:59	10° Ω 14'38	
	-12176 Dec 08 j 18:03	0° \mathfrak{N}			-12175 Dec 02 j 07:50	0° \mathfrak{N}	
	-12176 Dec 26 j 07:11	0° \mathfrak{L}		morning set	-12175 Dec 12 j 19:28	19° \mathfrak{N} 26'39	
morning set	-12176 Dec 28 j 19:50	5° \mathfrak{L} 05'03			-12175 Dec 17 j 22:43	0° \mathfrak{L}	
max. Earth dist.	-12175 Jan 03 j 20:55	17° \mathfrak{L} 51'23	1.32972 AU	max. Earth dist.	-12175 Dec 18 j 03:11	0° \mathfrak{L} 23'32	1.33537 AU
superior conj	-12175 Jan 05 j 01:53	20° \mathfrak{L} 28'32	-0°57'17	superior conj	-12175 Dec 20 j 11:01	5° \mathfrak{L} 20'35	-1°14'14
minimum elong	-12175 Jan 05 j 03:48	20° \mathfrak{L} 38'55	0°57'14	minimum elong	-12175 Dec 20 j 13:04	5° \mathfrak{L} 31'34	1°14'02
	-12175 Jan 09 j 11:11	0° \mathfrak{M}		evening rise	-12175 Dec 27 j 13:54	20° \mathfrak{L} 34'34	
asc. node	-12175 Jan 11 j 13:30	4° \mathfrak{M} 28'35		asc. node	-12175 Dec 29 j 10:52	24° \mathfrak{L} 27'41	
evening rise	-12175 Jan 12 j 02:36	5° \mathfrak{M} 37'36			-12174 Jan 01 j 05:25	0° \mathfrak{M}	
	-12175 Jan 25 j 04:49	0° \mathfrak{J}		evening max el	-12174 Jan 19 j 17:42	27° \mathfrak{M} 12'50	23°13'40
evening max el	-12175 Feb 07 j 00:16	16° \mathfrak{J} 20'22	24°46'27		-12174 Jan 23 j 02:05	0° \mathfrak{J}	
retrograde	-12175 Feb 20 j 22:11	23° \mathfrak{J} 19'15		retrograde	-12174 Feb 01 j 23:30	3° \mathfrak{J} 38'17	
evening set	-12175 Feb 25 j 14:39	22° \mathfrak{J} 29'05		evening set	-12174 Feb 05 j 15:30	3° \mathfrak{J} 08'55	
desc. node	-12175 Feb 28 j 16:59	21° \mathfrak{J} 05'58			-12174 Feb 12 j 15:43	30° \mathfrak{R} \mathfrak{M}	
min. Earth dist.	-12175 Mar 03 j 13:52	19° \mathfrak{J} 23'35	0.56985 AU	min. Earth dist.	-12174 Feb 13 j 06:10	29° \mathfrak{M} 38'55	0.55822 AU
inferior conj	-12175 Mar 06 j 06:27	17° \mathfrak{J} 37'19	-1°21'36	inferior conj	-12174 Feb 14 j 16:46	28° \mathfrak{M} 47'44	0°13'26
minimum elong	-12175 Mar 06 j 03:37	17° \mathfrak{J} 42'01	1°21'30	minimum elong	-12174 Feb 14 j 17:18	28° \mathfrak{M} 46'56	0°12'40
morning rise	-12175 Mar 14 j 19:48	13° \mathfrak{J} 24'38		transit middle	-12174 Feb 14 j 17:18	28° \mathfrak{M} 46'56	0°12'40
direct	-12175 Mar 17 j 00:01	13° \mathfrak{J} 11'03		transit begin	-12174 Feb 14 j 14:53	28° \mathfrak{M} 50'31	
morning max el	-12175 Mar 26 j 05:05	17° \mathfrak{J} 32'37	19°18'47	transit end	-12174 Feb 14 j 19:43	28° \mathfrak{M} 43'21	
	-12175 Apr 04 j 09:23	0° \mathfrak{Z}		desc. node	-12174 Feb 15 j 13:50	28° \mathfrak{M} 16'40	
asc. node	-12175 Apr 09 j 12:03	9° \mathfrak{Z} 22'09		morning rise	-12174 Feb 23 j 20:59	24° \mathfrak{M} 43'54	
morning set	-12175 Apr 12 j 04:39	14° \mathfrak{Z} 38'33		direct	-12174 Feb 26 j 01:52	24° \mathfrak{M} 31'55	
	-12175 Apr 19 j 22:33	0° \approx		morning max el	-12174 Mar 08 j 21:42	29° \mathfrak{M} 40'39	20°23'13
					-12174 Mar 09 j 05:45	0° \mathfrak{J}	
superior conj	-12175 Apr 20 j 14:42	1° \approx 18'38	1°26'31	morning set	-12174 Mar 27 j 08:55	29° \mathfrak{J} 09'11	
minimum elong	-12175 Apr 20 j 11:38	1° \approx 03'44	1°25'34	asc. node	-12174 Mar 27 j 09:05	29° \mathfrak{J} 10'01	
max. Earth dist.	-12175 Apr 26 j 17:13	12° \approx 51'43	1.37833 AU		-12174 Mar 27 j 18:55	0° \mathfrak{Z}	
evening rise	-12175 Apr 30 j 17:31	20° \approx 05'19					
	-12175 May 06 j 12:23	0° \mathfrak{H}		superior conj	-12174 Apr 04 j 04:25	15° \mathfrak{Z} 07'42	1°06'41
	-12175 May 26 j 13:33	0° \mathfrak{Y}		minimum elong	-12174 Apr 04 j 01:43	14° \mathfrak{Z} 54'02	1°05'36
desc. node	-12175 May 27 j 15:13	1° \mathfrak{Y} 23'41		max. Earth dist.	-12174 Apr 08 j 22:53	24° \mathfrak{Z} 34'22	1.36173 AU
evening max el	-12175 Jun 05 j 12:53	11° \mathfrak{Y} 44'24	24°57'05		-12174 Apr 11 j 19:12	0° \approx	
retrograde	-12175 Jun 17 j 04:35	18° \mathfrak{Y} 36'38		evening rise	-12174 Apr 13 j 05:16	2° \approx 38'34	
evening set	-12175 Jun 22 j 23:20	16° \mathfrak{Y} 05'07			-12174 Apr 29 j 12:20	0° \mathfrak{H}	
min. Earth dist.	-12175 Jun 27 j 10:47	10° \mathfrak{Y} 54'29	0.66870 AU	desc. node	-12174 May 14 j 12:39	20° \mathfrak{H} 19'58	
inferior conj	-12175 Jun 28 j 06:22	9° \mathfrak{Y} 49'04	-2°18'35	evening max el	-12174 May 18 j 22:56	25° \mathfrak{H} 06'50	26°07'39
minimum elong	-12175 Jun 28 j 08:36	9° \mathfrak{Y} 41'36	2°17'52		-12174 May 24 j 19:08	0° \mathfrak{Y}	
morning rise	-12175 Jul 03 j 17:52	3° \mathfrak{Y} 45'03		retrograde	-12174 May 31 j 12:37	2° \mathfrak{Y} 24'06	
asc. node	-12175 Jul 06 j 12:56	2° \mathfrak{Y} 31'06			-12174 Jun 06 j 11:25	30° \mathfrak{R} \mathfrak{H}	
direct	-12175 Jul 07 j 10:04	2° \mathfrak{Y} 26'42		evening set	-12174 Jun 06 j 20:39	29° \mathfrak{H} 40'26	
morning max el	-12175 Jul 15 j 03:23	6° \mathfrak{Y} 58'21	20°07'55	min. Earth dist.	-12174 Jun 10 j 23:36	25° \mathfrak{H} 09'06	0.66181 AU
	-12175 Jul 31 j 21:40	0° \mathfrak{B}		inferior conj	-12174 Jun 12 j 08:10	23° \mathfrak{H} 25'55	-2°50'26
morning set	-12175 Aug 10 j 15:25	15° \mathfrak{B} 00'18		minimum elong	-12174 Jun 12 j 10:24	23° \mathfrak{H} 18'52	2°50'04
	-12175 Aug 20 j 04:25	0° Π		morning rise	-12174 Jun 18 j 00:13	17° \mathfrak{H} 34'00	
max. Earth dist.	-12175 Aug 22 j 04:36	3° Π 12'08	1.43836 AU	direct	-12174 Jun 21 j 08:02	16° \mathfrak{H} 30'07	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

asc. node	-12174 Jun 23 j 09:44	16° X 53'40				-12173 Jun 29 j 05:06	0° Y	
morning max el	-12174 Jun 28 j 08:27	20° X 29'47	19°11'14	morning set		-12173 Jul 01 j 13:00	3° Y 50'01	
	-12174 Jul 05 j 18:10	0° Y						
morning set	-12174 Jul 21 j 03:02	23° Y 54'01		superior conj		-12173 Jul 16 j 07:57	27° Y 45'42	1°06'08
	-12174 Jul 24 j 23:31	0° Z		minimum elong		-12173 Jul 16 j 14:28	28° Y 11'36	1°05'48
max. Earth dist.	-12174 Aug 04 j 20:10	17° Z 10'19	1.44512 AU			-12173 Jul 17 j 17:45	0° Z	
				max. Earth dist.		-12173 Jul 18 j 13:11	1° Z 17'05	1.44484 AU
superior conj	-12174 Aug 06 j 07:41	19° Z 31'03	0°23'57	desc. node		-12173 Jul 28 j 06:32	16° Z 38'00	
minimum elong	-12174 Aug 06 j 10:35	19° Z 42'36	0°24'08	evening rise		-12173 Aug 01 j 21:43	23° Z 55'24	
desc. node	-12174 Aug 10 j 09:10	25° Z 58'46				-12173 Aug 05 j 18:29	0° II	
	-12174 Aug 12 j 21:31	0° II		evening max el		-12173 Aug 25 j 04:55	27° II 52'35	19°21'36
evening rise	-12174 Aug 21 j 17:10	14° II 15'56				-12173 Aug 27 j 13:24	0° III	
	-12174 Aug 31 j 09:53	0° III		retrograde		-12173 Sep 01 j 07:31	1° III 56'22	
evening max el	-12174 Sep 10 j 18:57	14° III 21'52	18°39'39	evening set		-12173 Sep 04 j 14:21	0° III 53'54	
retrograde	-12174 Sep 17 j 12:03	18° III 06'24				-12173 Sep 05 j 19:29	30° R II	
asc. node	-12174 Sep 19 j 10:15	17° III 45'38		asc. node		-12173 Sep 06 j 07:17	29° II 33'54	
evening set	-12174 Sep 20 j 10:38	17° III 18'06		inferior conj		-12173 Sep 10 j 06:44	25° II 00'38	1°13'59
inferior conj	-12174 Sep 26 j 10:39	11° III 37'35	2°05'58	minimum elong		-12173 Sep 10 j 05:03	25° II 06'02	1°14'03
minimum elong	-12174 Sep 26 j 07:48	11° III 46'00	2°05'42	min. Earth dist.		-12173 Sep 11 j 13:37	23° II 22'27	0.65828 AU
min. Earth dist.	-12174 Sep 28 j 05:46	9° III 30'04	0.64763 AU	morning rise		-12173 Sep 15 j 19:23	18° II 43'45	
morning rise	-12174 Oct 02 j 04:24	5° III 28'33		direct		-12173 Sep 21 j 22:00	16° II 08'46	
direct	-12174 Oct 08 j 19:33	2° III 45'27		morning max el		-12173 Oct 04 j 09:37	23° II 26'15	26°03'28
morning max el	-12174 Oct 21 j 23:17	10° III 15'03	26°59'53			-12173 Oct 10 j 07:37	0° III	
desc. node	-12174 Nov 06 j 08:39	29° III 25'02		desc. node		-12173 Oct 24 j 05:24	19° III 07'50	
	-12174 Nov 06 j 18:14	0° IV				-12173 Oct 31 j 01:55	0° IV	
	-12174 Nov 24 j 16:33	0° IV		morning set		-12173 Nov 09 j 09:44	16° IV 17'49	
morning set	-12174 Nov 26 j 09:24	3° IV 14'47		max. Earth dist.		-12173 Nov 13 j 11:43	24° IV 00'41	1.35923 AU
max. Earth dist.	-12174 Dec 01 j 00:42	12° IV 26'00	1.34518 AU			-12173 Nov 16 j 12:54	0° IV	
superior conj	-12174 Dec 04 j 15:48	19° IV 55'35	-1°27'27	superior conj		-12173 Nov 18 j 13:48	4° IV 05'41	-1°35'44
minimum elong	-12174 Dec 04 j 17:33	20° IV 04'43	1°27'10	minimum elong		-12173 Nov 18 j 14:42	4° IV 10'16	1°35'22
	-12174 Dec 09 j 10:23	0° V		evening rise		-12173 Nov 26 j 07:36	19° IV 59'43	
evening rise	-12174 Dec 12 j 00:08	5° V 23'48				-12173 Dec 01 j 08:47	0° V	
asc. node	-12174 Dec 16 j 08:14	14° V 09'28		asc. node		-12173 Dec 03 j 05:34	3° V 27'06	
	-12174 Dec 25 j 15:41	0° VI		evening max el		-12173 Dec 14 j 19:48	19° V 41'25	20°20'32
evening max el	-12173 Jan 01 j 14:41	8° VI 13'44	21°41'23	retrograde		-12173 Dec 25 j 07:14	24° V 36'34	
retrograde	-12173 Jan 13 j 15:00	13° VI 54'45		evening set		-12173 Dec 27 j 22:55	24° V 18'59	
evening set	-12173 Jan 16 j 14:42	13° VI 34'45		inferior conj		-12172 Jan 05 j 14:59	20° V 18'23	3°21'18
inferior conj	-12173 Jan 25 j 15:21	9° VI 32'47	1°57'03	minimum elong		-12172 Jan 05 j 20:35	20° V 09'57	3°19'54
minimum elong	-12173 Jan 25 j 20:02	9° VI 26'07	1°55'14	min. Earth dist.		-12172 Jan 07 j 09:33	19° V 14'31	0.55956 AU
min. Earth dist.	-12173 Jan 25 j 20:24	9° VI 25'36	0.55460 AU	morning rise		-12172 Jan 14 j 16:37	15° V 51'26	
desc. node	-12173 Feb 02 j 10:36	5° VI 48'48		direct		-12172 Jan 18 j 10:43	15° V 20'24	
morning rise	-12173 Feb 04 j 01:12	5° VI 24'29		desc. node		-12172 Jan 20 j 07:19	15° V 28'14	
direct	-12173 Feb 06 j 17:46	5° VI 08'15		morning max el		-12172 Jan 31 j 22:08	22° V 00'03	23°20'14
morning max el	-12173 Feb 19 j 02:51	11° VI 07'06	21°45'36			-12172 Feb 07 j 19:42	0° VII	
	-12173 Mar 04 j 14:30	0° VII		morning set		-12172 Feb 24 j 05:38	28° VI 58'36	
morning set	-12173 Mar 11 j 17:57	13° VII 58'12				-12172 Feb 24 j 17:21	0° VII	
asc. node	-12173 Mar 14 j 06:09	19° VII 12'17		asc. node		-12172 Feb 29 j 03:15	9° VII 24'11	
superior conj	-12173 Mar 19 j 03:18	29° VII 27'26	0°44'16	superior conj		-12172 Mar 02 j 08:28	14° VII 09'05	0°20'48
minimum elong	-12173 Mar 19 j 01:25	29° VII 17'38	0°43'14	minimum elong		-12172 Mar 02 j 07:36	14° VII 04'27	0°19'56
	-12173 Mar 19 j 09:33	0° VIII		max. Earth dist.		-12172 Mar 04 j 15:15	18° VII 59'28	1.33816 AU
max. Earth dist.	-12173 Mar 22 j 14:12	6° VIII 34'05	1.34821 AU	evening rise		-12172 Mar 10 j 01:42	0° VIII 07'36	
evening rise	-12173 Mar 27 j 09:33	16° VIII 04'04				-12172 Mar 10 j 00:10	0° VIII	
	-12173 Apr 04 j 00:15	0° IX				-12172 Mar 27 j 01:37	0° IX	
	-12173 Apr 23 j 22:49	0° X		evening max el		-12172 Apr 12 j 20:06	21° IX 25'15	27°25'29
desc. node	-12173 May 01 j 10:01	8° X 24'42		desc. node		-12172 Apr 17 j 07:20	25° IX 16'41	
evening max el	-12173 May 01 j 09:48	8° X 24'09	26°59'36	retrograde		-12172 Apr 26 j 12:37	29° IX 00'26	
retrograde	-12173 May 14 j 15:27	15° X 54'49		evening set		-12172 May 03 j 11:11	26° IX 23'30	
evening set	-12173 May 21 j 09:36	13° X 08'23		min. Earth dist.		-12172 May 07 j 03:20	23° IX 03'06	0.63617 AU
min. Earth dist.	-12173 May 25 j 05:41	9° X 15'18	0.65095 AU	inferior conj		-12172 May 09 j 16:51	20° IX 19'31	-3°25'04
inferior conj	-12173 May 27 j 04:33	6° X 57'44	-3°13'30	minimum elong		-12172 May 09 j 17:26	20° IX 17'57	3°25'32
minimum elong	-12173 May 27 j 06:15	6° X 52'44	3°13'35	morning rise		-12172 May 16 j 00:34	14° IX 59'45	
morning rise	-12173 Jun 02 j 03:13	1° X 20'44		direct		-12172 May 18 j 20:13	14° IX 19'30	
direct	-12173 Jun 05 j 04:20	0° XI 29'30		morning max el		-12172 May 25 j 07:52	17° IX 43'51	18°07'45
asc. node	-12173 Jun 10 j 06:31	2° XI 42'59		asc. node		-12172 May 27 j 03:16	19° IX 42'53	
morning max el	-12173 Jun 11 j 18:37	4° XI 06'19	18°30'46			-12172 Jun 03 j 05:12	0° XI	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning set	-12172 Jun 12 j 00:05	14° X 55'30		morning rise	-12171 Apr 29 j 13:32	28° Z 24'41	
	-12172 Jun 20 j 21:01	0° Y		direct	-12171 May 02 j 04:29	27° Z 53'57	
					-12171 May 07 j 10:41	0° \approx	
superior conj	-12172 Jun 24 j 22:13	6° Y 41'59	1°35'21	morning max el	-12171 May 08 j 21:43	1° \approx 17'10	18°02'56
minimum elong	-12172 Jun 25 j 03:20	7° Y 02'59	1°35'06	asc. node	-12171 May 14 j 00:02	7° \approx 38'42	
max. Earth dist.	-12172 Jun 30 j 03:49	15° Y 11'17	1.43764 AU	morning set	-12171 May 25 j 09:13	27° \approx 04'46	
	-12172 Jul 09 j 12:42	0° Z			-12171 May 27 j 00:08	0° X	
evening rise	-12172 Jul 11 j 03:22	2° Z 30'27					
desc. node	-12172 Jul 14 j 04:00	7° Z 11'29		superior conj	-12171 Jun 05 j 14:26	16° X 55'00	1°48'10
	-12172 Jul 29 j 09:34	0° II		minimum elong	-12171 Jun 05 j 15:48	17° X 00'52	1°47'57
evening max el	-12172 Aug 07 j 09:15	11° II 20'33	20°18'59	max. Earth dist.	-12171 Jun 12 j 13:24	28° X 36'05	1.42463 AU
retrograde	-12172 Aug 15 j 04:16	15° II 52'59			-12171 Jun 13 j 09:52	0° Y	
evening set	-12172 Aug 18 j 21:33	14° II 33'10		evening rise	-12171 Jun 20 j 04:35	10° Y 53'10	
asc. node	-12172 Aug 23 j 04:15	10° II 02'42		desc. node	-12171 Jul 01 j 01:30	27° Y 35'28	
inferior conj	-12172 Aug 24 j 08:12	8° II 30'17	0°21'57		-12171 Jul 02 j 16:18	0° Z	
minimum elong	-12172 Aug 24 j 07:41	8° II 31'59	0°22'25	evening max el	-12171 Jul 21 j 06:44	24° Z 44'32	21°29'28
min. Earth dist.	-12172 Aug 25 j 03:50	7° II 24'34	0.66591 AU	retrograde	-12171 Jul 30 j 00:25	29° Z 53'50	
morning rise	-12172 Aug 29 j 17:37	2° II 09'25		evening set	-12171 Aug 03 j 06:06	28° Z 14'04	
	-12172 Sep 02 j 15:25	30° R Z		inferior conj	-12171 Aug 08 j 12:59	22° Z 04'30	-0°28'13
direct	-12172 Sep 04 j 06:05	29° Z 48'39		minimum elong	-12171 Aug 08 j 13:34	22° Z 02'29	0°27'25
	-12172 Sep 05 j 22:15	0° II		min. Earth dist.	-12171 Aug 08 j 22:03	21° Z 33'18	0.67064 AU
morning max el	-12172 Sep 15 j 19:32	6° II 41'52	24°49'21	asc. node	-12171 Aug 10 j 01:10	20° Z 01'15	
	-12172 Oct 04 j 00:16	0° Z		morning rise	-12171 Aug 13 j 20:53	15° Z 43'39	
desc. node	-12172 Oct 10 j 02:13	9° Z 13'02		direct	-12171 Aug 18 j 19:18	13° Z 40'13	
morning set	-12172 Oct 21 j 15:28	28° Z 21'37		morning max el	-12171 Aug 29 j 05:57	19° Z 57'24	23°26'29
	-12172 Oct 22 j 13:46	0° Z			-12171 Sep 06 j 17:38	0° II	
max. Earth dist.	-12172 Oct 25 j 13:38	5° Z 23'36	1.37690 AU	desc. node	-12171 Sep 26 j 23:08	29° II 34'08	
					-12171 Sep 27 j 05:38	0° Z	
superior conj	-12172 Nov 01 j 01:47	17° Z 40'48	-1°37'30	morning set	-12171 Oct 02 j 21:21	9° Z 13'15	
minimum elong	-12172 Nov 01 j 01:16	17° Z 38'20	1°36'59	max. Earth dist.	-12171 Oct 07 j 12:07	17° Z 04'37	1.39659 AU
	-12172 Nov 07 j 07:02	0° II					
evening rise	-12172 Nov 09 j 10:14	4° II 15'50		superior conj	-12171 Oct 14 j 23:31	0° Z 29'26	-1°30'44
asc. node	-12172 Nov 19 j 02:55	22° II 12'02		minimum elong	-12171 Oct 14 j 21:12	0° Z 18'39	1°29'58
	-12172 Nov 24 j 19:15	0° Z			-12171 Oct 14 j 17:09	0° Z	
evening max el	-12172 Nov 26 j 11:14	1° Z 43'22	19°17'24	evening rise	-12171 Oct 24 j 05:38	18° Z 05'57	
retrograde	-12172 Dec 05 j 11:11	6° Z 00'02			-12171 Oct 30 j 13:52	0° II	
evening set	-12172 Dec 07 j 23:33	5° Z 41'27		asc. node	-12171 Nov 06 j 00:15	10° II 13'36	
inferior conj	-12172 Dec 16 j 03:39	1° Z 28'40	4°07'44	evening max el	-12171 Nov 09 j 12:18	14° II 17'24	18°34'19
minimum elong	-12172 Dec 16 j 06:21	1° Z 24'04	4°07'29	retrograde	-12171 Nov 17 j 08:20	18° II 07'31	
	-12172 Dec 18 j 08:02	30° R II		evening set	-12171 Nov 19 j 19:40	17° II 45'57	
min. Earth dist.	-12172 Dec 18 j 23:16	29° II 34'50	0.57177 AU	inferior conj	-12171 Nov 27 j 11:00	13° II 13'31	4°16'24
morning rise	-12172 Dec 24 j 11:01	26° II 37'15		minimum elong	-12171 Nov 27 j 10:03	13° II 15'23	4°16'37
direct	-12172 Dec 29 j 13:43	25° II 36'58		min. Earth dist.	-12171 Nov 30 j 15:49	10° II 44'51	0.58866 AU
desc. node	-12171 Jan 06 j 03:57	27° II 48'43		morning rise	-12171 Dec 04 j 22:35	7° II 59'59	
	-12171 Jan 09 j 10:15	0° Z		direct	-12171 Dec 11 j 04:46	6° II 21'57	
morning max el	-12171 Jan 12 j 12:58	2° Z 41'47	24°55'52	desc. node	-12171 Dec 24 j 00:33	12° II 31'27	
	-12171 Jan 31 j 16:21	0° II		morning max el	-12171 Dec 25 j 05:45	13° II 38'59	26°17'42
morning set	-12171 Feb 07 j 18:09	14° II 03'52			-12170 Jan 07 j 06:30	0° Z	
				morning set	-12170 Jan 23 j 05:41	29° Z 06'36	
superior conj	-12171 Feb 14 j 17:44	29° II 05'18	-0°02'40		-12170 Jan 23 j 15:52	0° II	
minimum elong	-12171 Feb 14 j 17:52	29° II 06'02	0°03'15				
behind sun begin	-12171 Feb 14 j 12:53	28° II 39'01		superior conj	-12170 Jan 30 j 05:08	14° II 08'31	-0°25'14
behind sun end	-12171 Feb 14 j 22:51	29° II 33'01		minimum elong	-12170 Jan 30 j 06:08	14° II 14'02	0°25'32
asc. node	-12171 Feb 15 j 00:25	29° II 41'35		max. Earth dist.	-12170 Jan 30 j 12:28	14° II 48'34	1.32824 AU
	-12171 Feb 15 j 03:50	0° Z		asc. node	-12170 Feb 01 j 21:41	19° II 59'48	
max. Earth dist.	-12171 Feb 15 j 23:47	1° Z 47'51	1.33154 AU	evening rise	-12170 Feb 06 j 08:15	29° II 25'35	
evening rise	-12171 Feb 22 j 02:11	14° Z 38'09			-12170 Feb 06 j 14:55	0° Z	
	-12171 Mar 02 j 02:16	0° Z			-12170 Feb 23 j 09:50	0° Z	
	-12171 Mar 22 j 08:45	0° \approx		evening max el	-12170 Mar 08 j 07:08	15° Z 59'04	26°42'13
evening max el	-12171 Mar 26 j 03:53	3° \approx 59'45	27°20'13	retrograde	-12170 Mar 22 j 10:03	23° Z 24'13	
desc. node	-12171 Apr 04 j 04:32	10° \approx 27'48		desc. node	-12170 Mar 22 j 01:39	23° Z 23'54	
retrograde	-12171 Apr 09 j 03:23	11° \approx 32'52		evening set	-12170 Mar 28 j 15:28	21° Z 42'46	
evening set	-12171 Apr 15 j 22:10	9° \approx 18'42		min. Earth dist.	-12170 Apr 01 j 20:35	18° Z 52'01	0.59838 AU
min. Earth dist.	-12171 Apr 19 j 16:07	6° \approx 20'08	0.61813 AU	inferior conj	-12170 Apr 05 j 04:33	16° Z 07'29	-2°56'28
inferior conj	-12171 Apr 22 j 18:03	3° \approx 25'37	-3°21'13	minimum elong	-12170 Apr 05 j 01:46	16° Z 13'18	2°56'44
minimum elong	-12171 Apr 22 j 16:59	3° \approx 28'09	3°21'45	morning rise	-12170 Apr 12 j 14:41	11° Z 26'09	
	-12171 Apr 26 j 17:31	30° R Z		direct	-12170 Apr 15 j 01:15	11° Z 03'28	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning max el	-12170 Apr 22 j 09:24	14° ♁ 38'02	18°16'58	minimum elong	-12169 Mar 17 j 17:25	28° ♁ 22'50	2°04'45
asc. node	-12170 Apr 30 j 20:52	26° ♁ 17'18		morning rise	-12169 Mar 26 j 00:08	23° ♁ 54'18	
	-12170 May 03 j 00:03	0° ♁		direct	-12169 Mar 28 j 06:32	23° ♁ 37'55	
morning set	-12170 May 08 j 11:37	10° ♁ 06'37		morning max el	-12169 Apr 05 j 15:58	27° ♁ 37'50	18°50'28
					-12169 Apr 07 j 21:20	0° ♁	
superior conj	-12170 May 18 j 08:31	28° ♁ 25'15	1°47'01	asc. node	-12169 Apr 17 j 17:47	15° ♁ 28'49	
minimum elong	-12170 May 18 j 06:57	28° ♁ 18'12	1°46'34	morning set	-12169 Apr 22 j 02:49	23° ♁ 50'28	
	-12170 May 19 j 05:35	0° ♁			-12169 Apr 25 j 06:32	0° ♁	
max. Earth dist.	-12170 May 25 j 17:19	11° ♁ 20'53	1.40762 AU				
evening rise	-12170 May 30 j 23:26	20° ♁ 07'31		superior conj	-12169 Apr 30 j 23:37	11° ♁ 00'40	1°35'57
	-12170 Jun 06 j 03:28	0° ♁		minimum elong	-12169 Apr 30 j 20:44	10° ♁ 46'59	1°35'10
desc. node	-12170 Jun 17 j 23:03	17° ♁ 44'51		max. Earth dist.	-12169 May 07 j 17:55	23° ♁ 27'30	1.38894 AU
	-12170 Jun 26 j 22:32	0° ♁			-12169 May 11 j 11:26	0° ♁	
evening max el	-12170 Jul 03 j 21:47	8° ♁ 05'10	22°49'04	evening rise	-12169 May 11 j 21:33	0° ♁ 43'34	
retrograde	-12170 Jul 13 j 18:22	13° ♁ 56'09			-12169 May 30 j 11:00	0° ♁	
evening set	-12170 Jul 18 j 14:05	11° ♁ 55'02		desc. node	-12169 Jun 04 j 20:35	7° ♁ 33'06	
inferior conj	-12170 Jul 23 j 19:15	5° ♁ 41'23	-1°14'58	evening max el	-12169 Jun 16 j 08:37	21° ♁ 24'57	24°11'29
minimum elong	-12170 Jul 23 j 20:43	5° ♁ 36'20	1°14'02	retrograde	-12169 Jun 27 j 09:01	27° ♁ 56'22	
min. Earth dist.	-12170 Jul 23 j 17:45	5° ♁ 46'35	0.67239 AU	evening set	-12169 Jul 02 j 19:33	25° ♁ 34'48	
asc. node	-12170 Jul 27 j 22:00	0° ♁ 31'21		min. Earth dist.	-12169 Jul 07 j 12:30	20° ♁ 02'26	0.67105 AU
	-12170 Jul 28 j 10:54	30° ♁		inferior conj	-12169 Jul 08 j 01:13	19° ♁ 19'11	-1°57'02
morning rise	-12170 Jul 29 j 03:15	29° ♁ 24'29		minimum elong	-12169 Jul 08 j 03:17	19° ♁ 12'11	1°56'10
direct	-12170 Aug 02 j 12:40	27° ♁ 39'15		morning rise	-12169 Jul 13 j 10:57	13° ♁ 09'45	
	-12170 Aug 08 j 05:16	0° ♁		asc. node	-12169 Jul 14 j 18:49	12° ♁ 20'03	
morning max el	-12170 Aug 11 j 19:25	3° ♁ 13'53	22°03'25	direct	-12169 Jul 17 j 08:58	11° ♁ 42'03	
	-12170 Aug 31 j 20:20	0° ♁		morning max el	-12169 Jul 25 j 14:27	16° ♁ 34'51	20°46'55
morning set	-12170 Sep 13 j 00:57	18° ♁ 49'04			-12169 Aug 05 j 02:32	0° ♁	
desc. node	-12170 Sep 13 j 20:13	20° ♁ 06'09		morning set	-12169 Aug 23 j 08:19	27° ♁ 28'42	
max. Earth dist.	-12170 Sep 19 j 14:09	29° ♁ 29'58	1.41572 AU		-12169 Aug 24 j 23:02	0° ♁	
	-12170 Sep 19 j 21:21	0° ♁		desc. node	-12169 Aug 31 j 17:23	10° ♁ 44'13	
				max. Earth dist.	-12169 Sep 01 j 22:43	12° ♁ 42'32	1.43159 AU
superior conj	-12170 Sep 27 j 01:43	12° ♁ 17'41	-1°13'14				
minimum elong	-12170 Sep 26 j 21:48	12° ♁ 00'33	1°12'09	superior conj	-12169 Sep 08 j 02:28	22° ♁ 49'24	-0°43'20
	-12170 Oct 06 j 20:39	0° ♁		minimum elong	-12169 Sep 07 j 22:45	22° ♁ 33'54	0°42'10
evening rise	-12170 Oct 07 j 14:35	1° ♁ 22'42			-12169 Sep 12 j 08:32	0° ♁	
asc. node	-12170 Oct 23 j 21:33	27° ♁ 18'54		evening rise	-12169 Sep 20 j 08:44	13° ♁ 54'43	
evening max el	-12170 Oct 23 j 20:38	27° ♁ 16'36	18°11'23		-12169 Sep 29 j 16:39	0° ♁	
	-12170 Oct 27 j 11:12	0° ♁		evening max el	-12169 Oct 07 j 09:07	10° ♁ 31'49	18°07'54
retrograde	-12170 Oct 30 j 22:23	0° ♁ 52'37		asc. node	-12169 Oct 10 j 18:48	13° ♁ 11'14	
evening set	-12170 Nov 02 j 10:14	0° ♁ 26'27		retrograde	-12169 Oct 14 j 01:35	14° ♁ 04'18	
	-12170 Nov 03 j 12:02	30° ♁		evening set	-12169 Oct 16 j 15:48	13° ♁ 31'41	
inferior conj	-12170 Nov 09 j 13:08	25° ♁ 32'11	3°57'23	inferior conj	-12169 Oct 23 j 07:09	8° ♁ 17'03	3°21'02
minimum elong	-12170 Nov 09 j 09:55	25° ♁ 39'23	3°57'21	minimum elong	-12169 Oct 23 j 03:19	8° ♁ 26'48	3°20'42
min. Earth dist.	-12170 Nov 12 j 14:28	22° ♁ 48'54	0.60716 AU	min. Earth dist.	-12169 Oct 25 j 22:10	5° ♁ 37'42	0.62476 AU
morning rise	-12170 Nov 16 j 08:14	19° ♁ 59'29		morning rise	-12169 Oct 29 j 13:49	2° ♁ 27'33	
direct	-12170 Nov 23 j 05:54	17° ♁ 47'41			-12169 Nov 04 j 03:46	30° ♁	
morning max el	-12170 Dec 07 j 04:34	25° ♁ 11'33	27°12'44	direct	-12169 Nov 05 j 15:13	29° ♁ 53'27	
desc. node	-12170 Dec 10 j 21:09	29° ♁ 03'17			-12169 Nov 07 j 03:21	0° ♁	
	-12170 Dec 11 j 16:57	0° ♁		morning max el	-12169 Nov 19 j 09:36	7° ♁ 23'11	27°34'03
	-12170 Dec 31 j 11:15	0° ♁		desc. node	-12169 Nov 27 j 17:47	16° ♁ 53'11	
morning set	-12169 Jan 07 j 14:25	14° ♁ 00'00			-12169 Dec 06 j 21:02	0° ♁	
max. Earth dist.	-12169 Jan 14 j 01:45	27° ♁ 49'18	1.32826 AU	morning set	-12169 Dec 22 j 18:05	28° ♁ 35'21	
					-12169 Dec 23 j 10:44	0° ♁	
superior conj	-12169 Jan 14 j 17:01	29° ♁ 12'33	-0°46'12	max. Earth dist.	-12169 Dec 28 j 11:49	10° ♁ 35'43	1.33174 AU
minimum elong	-12169 Jan 14 j 18:41	29° ♁ 21'38	0°46'15				
	-12169 Jan 15 j 01:43	0° ♁		superior conj	-12169 Dec 30 j 03:38	14° ♁ 10'12	-1°04'52
asc. node	-12169 Jan 19 j 19:01	10° ♁ 14'36		minimum elong	-12169 Dec 30 j 05:39	14° ♁ 21'07	1°04'44
evening rise	-12169 Jan 21 j 17:48	14° ♁ 22'20		evening rise	-12168 Jan 06 j 04:55	29° ♁ 20'33	
	-12169 Jan 29 j 16:48	0° ♁		asc. node	-12168 Jan 06 j 16:23	0° ♁ 20'37	
evening max el	-12169 Feb 18 j 04:53	27° ♁ 22'14	25°34'52		-12168 Jan 06 j 12:26	0° ♁	
	-12169 Feb 21 j 05:31	0° ♁			-12168 Jan 23 j 16:27	0° ♁	
retrograde	-12169 Mar 04 j 06:23	4° ♁ 32'44		evening max el	-12168 Jan 30 j 22:29	8° ♁ 18'49	24°07'35
desc. node	-12169 Mar 08 j 22:38	3° ♁ 40'32		retrograde	-12168 Feb 13 j 14:44	15° ♁ 04'56	
evening set	-12169 Mar 09 j 13:54	3° ♁ 25'39		evening set	-12168 Feb 17 j 20:29	14° ♁ 24'55	
min. Earth dist.	-12169 Mar 14 j 18:21	0° ♁ 29'09	0.57939 AU	desc. node	-12168 Feb 23 j 19:31	11° ♁ 35'16	
	-12169 Mar 15 j 11:08	30° ♁		min. Earth dist.	-12168 Feb 24 j 11:43	11° ♁ 10'43	0.56413 AU
inferior conj	-12169 Mar 17 j 20:56	28° ♁ 16'34	-2°04'52	inferior conj	-12168 Feb 26 j 17:28	9° ♁ 46'52	-0°43'51

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-12168 Feb 26 j 15:45	9° ♁ 49'34	0°43'59	minimum elong	-12167 Feb 05 j 23:53	20° ♁ 39'58	0°56'41
morning rise	-12168 Mar 06 j 13:52	5° ♁ 39'35		desc. node	-12167 Feb 09 j 16:19	18° ♁ 38'31	
direct	-12168 Mar 08 j 17:41	5° ♁ 27'07		morning rise	-12167 Feb 15 j 05:38	16° ♁ 39'54	
morning max el	-12168 Mar 18 j 14:25	10° ♁ 06'58	19°43'51	direct	-12167 Feb 17 j 13:30	16° ♁ 27'12	
	-12168 Mar 31 j 23:53	0° ♁		morning max el	-12167 Mar 01 j 02:19	21° ♁ 57'30	20°56'23
asc. node	-12168 Apr 03 j 14:46	5° ♁ 05'14			-12167 Mar 07 j 18:46	0° ♁	
morning set	-12168 Apr 05 j 03:11	8° ♁ 06'28		morning set	-12167 Mar 20 j 09:43	22° ♁ 45'30	
				asc. node	-12167 Mar 21 j 11:47	24° ♁ 59'33	
					-12167 Mar 23 j 21:45	0° ♁	
superior conj	-12168 Apr 13 j 06:25	24° ♁ 26'50	1°18'32	superior conj	-12167 Mar 28 j 00:25	8° ♁ 30'13	0°57'24
minimum elong	-12168 Apr 13 j 03:25	24° ♁ 12'02	1°17'31	minimum elong	-12167 Mar 27 j 22:02	8° ♁ 17'57	0°56'18
	-12168 Apr 16 j 02:37	0° ♁		max. Earth dist.	-12167 Apr 01 j 05:06	16° ♁ 57'20	1.35550 AU
max. Earth dist.	-12168 Apr 18 j 19:58	5° ♁ 11'15	1.37094 AU	evening rise	-12167 Apr 05 j 16:32	25° ♁ 35'16	
evening rise	-12168 Apr 22 j 21:08	12° ♁ 38'09			-12167 Apr 08 j 01:41	0° ♁	
	-12168 May 03 j 01:45	0° ♁			-12167 Apr 26 j 12:15	0° ♁	
desc. node	-12168 May 21 j 18:02	26° ♁ 51'40		desc. node	-12167 May 08 j 15:26	15° ♁ 28'01	
	-12168 May 24 j 08:38	0° ♁		evening max el	-12167 May 11 j 04:17	18° ♁ 06'22	26°32'27
evening max el	-12168 May 28 j 18:07	4° ♁ 46'07	25°28'48	retrograde	-12167 May 24 j 01:43	25° ♁ 31'33	
retrograde	-12168 Jun 09 j 19:40	11° ♁ 50'25		evening set	-12167 May 30 j 14:33	22° ♁ 45'06	
evening set	-12168 Jun 15 j 20:29	9° ♁ 12'28		min. Earth dist.	-12167 Jun 03 j 14:12	18° ♁ 30'31	0.65765 AU
min. Earth dist.	-12168 Jun 20 j 04:04	4° ♁ 18'48	0.66624 AU	inferior conj	-12167 Jun 05 j 04:50	16° ♁ 31'42	-3°01'28
inferior conj	-12168 Jun 21 j 05:05	2° ♁ 56'54	-2°33'03	minimum elong	-12167 Jun 05 j 06:54	16° ♁ 25'19	3°01'18
minimum elong	-12168 Jun 21 j 07:23	2° ♁ 49'25	2°32'29	morning rise	-12167 Jun 10 j 23:27	10° ♁ 45'58	
	-12168 Jun 23 j 13:21	30° ♁		direct	-12167 Jun 14 j 04:07	9° ♁ 47'53	
morning rise	-12168 Jun 26 j 18:18	26° ♁ 57'58		asc. node	-12167 Jun 17 j 12:20	10° ♁ 47'45	
direct	-12168 Jun 30 j 06:43	25° ♁ 46'07		morning max el	-12167 Jun 20 j 23:32	13° ♁ 36'55	18°51'57
asc. node	-12168 Jun 30 j 15:35	25° ♁ 46'54			-12167 Jul 02 j 19:10	0° ♁	
morning max el	-12168 Jul 07 j 16:04	0° ♁ 02'57	19°42'02	morning set	-12167 Jul 12 j 08:42	15° ♁ 18'37	
	-12168 Jul 07 j 14:55	0° ♁			-12167 Jul 21 j 13:18	0° ♁	
	-12168 Jul 28 j 15:53	0° ♁					
morning set	-12168 Aug 01 j 12:42	6° ♁ 02'01		superior conj	-12167 Jul 28 j 01:45	10° ♁ 19'53	0°42'54
max. Earth dist.	-12168 Aug 14 j 12:24	26° ♁ 28'43	1.44203 AU	minimum elong	-12167 Jul 28 j 06:42	10° ♁ 39'29	0°42'46
	-12168 Aug 16 j 17:22	0° ♁		max. Earth dist.	-12167 Jul 28 j 04:25	10° ♁ 30'27	1.44582 AU
superior conj	-12168 Aug 17 j 23:38	2° ♁ 01'13	-0°02'15	desc. node	-12167 Aug 04 j 11:59	22° ♁ 05'38	
minimum elong	-12168 Aug 17 j 23:27	2° ♁ 00'29	0°01'37		-12167 Aug 09 j 11:09	0° ♁	
behind sun begin	-12168 Aug 17 j 12:32	1° ♁ 16'41		evening rise	-12167 Aug 13 j 03:02	5° ♁ 51'34	
behind sun end	-12168 Aug 18 j 10:22	2° ♁ 44'21			-12167 Aug 28 j 13:05	0° ♁	
desc. node	-12168 Aug 17 j 14:39	1° ♁ 25'10		evening max el	-12167 Sep 03 j 10:52	7° ♁ 26'14	18°55'33
evening rise	-12168 Sep 01 j 06:45	25° ♁ 29'14		retrograde	-12167 Sep 10 j 07:21	11° ♁ 18'10	
	-12168 Sep 03 j 23:21	0° ♁		evening set	-12167 Sep 13 j 09:05	10° ♁ 24'25	
evening max el	-12168 Sep 19 j 22:49	23° ♁ 56'49	18°22'58	asc. node	-12167 Sep 13 j 13:00	10° ♁ 18'35	
retrograde	-12168 Sep 26 j 13:48	27° ♁ 34'49		inferior conj	-12167 Sep 19 j 05:38	4° ♁ 38'14	1°44'04
asc. node	-12168 Sep 26 j 15:56	27° ♁ 34'47		minimum elong	-12167 Sep 19 j 03:16	4° ♁ 45'30	1°43'55
evening set	-12168 Sep 29 j 08:34	26° ♁ 53'14		min. Earth dist.	-12167 Sep 20 j 19:31	2° ♁ 42'20	0.65248 AU
inferior conj	-12168 Oct 05 j 13:43	21° ♁ 21'13	2°34'55		-12167 Sep 23 j 04:45	30° ♁	
minimum elong	-12168 Oct 05 j 10:20	21° ♁ 30'44	2°34'33	morning rise	-12167 Sep 24 j 20:56	28° ♁ 25'09	
min. Earth dist.	-12168 Oct 07 j 16:09	18° ♁ 59'20	0.64007 AU	direct	-12167 Oct 01 j 07:04	25° ♁ 44'15	
morning rise	-12168 Oct 11 j 11:22	15° ♁ 18'01			-12167 Oct 10 j 16:20	0° ♁	
direct	-12168 Oct 18 j 07:51	12° ♁ 34'41		morning max el	-12167 Oct 14 j 04:55	3° ♁ 11'02	26°38'36
morning max el	-12168 Oct 31 j 18:38	20° ♁ 07'08	27°21'11	desc. node	-12167 Oct 31 j 11:12	25° ♁ 04'10	
	-12168 Nov 09 j 09:59	0° ♁			-12167 Nov 03 j 16:59	0° ♁	
desc. node	-12168 Nov 13 j 14:28	5° ♁ 38'54		morning set	-12167 Nov 18 j 22:46	26° ♁ 14'38	
	-12168 Nov 28 j 19:34	0° ♁			-12167 Nov 20 j 21:49	0° ♁	
morning set	-12168 Dec 05 j 14:02	12° ♁ 43'53		max. Earth dist.	-12167 Nov 23 j 07:45	4° ♁ 44'38	1.35054 AU
max. Earth dist.	-12168 Dec 10 j 14:50	22° ♁ 56'02	1.33904 AU				
				superior conj	-12167 Nov 27 j 13:23	13° ♁ 20'49	-1°31'40
superior conj	-12168 Dec 13 j 11:08	28° ♁ 55'20	-1°20'22	minimum elong	-12167 Nov 27 j 14:51	13° ♁ 28'21	1°31'21
minimum elong	-12168 Dec 13 j 13:07	29° ♁ 05'51	1°20'07	evening rise	-12167 Dec 05 j 01:12	28° ♁ 58'30	
	-12168 Dec 13 j 23:18	0° ♁			-12167 Dec 05 j 13:08	0° ♁	
evening rise	-12168 Dec 20 j 15:56	14° ♁ 14'27		asc. node	-12167 Dec 10 j 11:06	9° ♁ 45'16	
asc. node	-12168 Dec 23 j 13:45	20° ♁ 12'49			-12167 Dec 24 j 07:11	0° ♁	
	-12168 Dec 28 j 17:21	0° ♁		evening max el	-12167 Dec 24 j 16:40	0° ♁ 22'33	21°05'15
evening max el	-12167 Jan 11 j 16:31	19° ♁ 11'01	22°33'29	retrograde	-12166 Jan 05 j 02:00	5° ♁ 43'40	
retrograde	-12167 Jan 24 j 11:29	25° ♁ 19'15		evening set	-12166 Jan 07 j 21:12	5° ♁ 25'28	
evening set	-12167 Jan 27 j 19:16	24° ♁ 54'59		inferior conj	-12166 Jan 16 j 18:57	1° ♁ 26'25	2°36'40
min. Earth dist.	-12167 Feb 05 j 02:59	21° ♁ 10'08	0.55561 AU	minimum elong	-12166 Jan 17 j 00:34	1° ♁ 18'19	2°34'49
inferior conj	-12167 Feb 05 j 21:27	20° ♁ 43'29	0°57'59				

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

min. Earth dist.	-12166 Jan 17 j 17:04	0° \mathbb{M} 54'29	0.55563 AU	inferior conj	-12166 Dec 27 j 22:58	12° \mathbb{A} 20'00	3°45'58
	-12166 Jan 19 j 07:34	30° \mathbb{R} \mathbb{A}		minimum elong	-12166 Dec 28 j 03:39	12° \mathbb{A} 12'37	3°45'05
morning rise	-12166 Jan 26 j 02:55	27° \mathbb{A} 11'06		min. Earth dist.	-12166 Dec 30 j 06:15	10° \mathbb{A} 53'32	0.56398 AU
desc. node	-12166 Jan 27 j 13:04	26° \mathbb{A} 56'18		morning rise	-12165 Jan 05 j 17:35	7° \mathbb{A} 42'56	
direct	-12166 Jan 29 j 04:40	26° \mathbb{A} 50'12		direct	-12165 Jan 10 j 01:45	7° \mathbb{A} 00'52	
	-12166 Feb 07 j 07:02	0° \mathbb{M}		desc. node	-12165 Jan 14 j 09:46	7° \mathbb{A} 43'53	
morning max el	-12166 Feb 11 j 03:00	3° \mathbb{M} 09'02	22°24'48	morning max el	-12165 Jan 23 j 19:23	13° \mathbb{A} 53'05	24°01'31
	-12166 Mar 01 j 01:20	0° \mathbb{X}			-12165 Feb 05 j 06:08	0° \mathbb{M}	
morning set	-12166 Mar 04 j 20:08	7° \mathbb{X} 40'28		morning set	-12165 Feb 17 j 08:25	22° \mathbb{M} 43'40	
asc. node	-12166 Mar 08 j 08:53	15° \mathbb{X} 06'45			-12165 Feb 20 j 18:25	0° \mathbb{X}	
				asc. node	-12165 Feb 23 j 06:02	5° \mathbb{X} 21'26	
superior conj	-12166 Mar 12 j 02:20	23° \mathbb{X} 00'52	0°34'23	superior conj	-12165 Feb 24 j 09:30	7° \mathbb{X} 49'23	0°10'49
minimum elong	-12166 Mar 12 j 00:53	22° \mathbb{X} 53'10	0°33'25	minimum elong	-12165 Feb 24 j 09:04	7° \mathbb{X} 47'03	0°10'04
max. Earth dist.	-12166 Mar 15 j 00:35	29° \mathbb{X} 07'22	1.34352 AU	behind sun begin	-12165 Feb 24 j 05:04	7° \mathbb{X} 25'33	
	-12166 Mar 15 j 10:48	0° \mathbb{Z}		behind sun end	-12165 Feb 24 j 13:04	8° \mathbb{X} 08'33	
evening rise	-12166 Mar 20 j 02:27	9° \mathbb{Z} 19'20		max. Earth dist.	-12165 Feb 26 j 05:21	11° \mathbb{X} 44'08	1.33501 AU
	-12166 Mar 31 j 13:16	0° \approx		evening rise	-12165 Mar 03 j 22:34	23° \mathbb{X} 35'51	
	-12166 Apr 22 j 07:59	0° \mathbb{H}			-12165 Mar 07 j 04:48	0° \mathbb{Z}	
evening max el	-12166 Apr 23 j 15:14	1° \mathbb{H} 18'42	27°14'09		-12165 Mar 25 j 06:03	0° \approx	
desc. node	-12166 Apr 25 j 12:45	3° \mathbb{H} 05'00		evening max el	-12165 Apr 06 j 01:02	14° \approx 10'38	27°27'14
retrograde	-12166 May 07 j 02:24	8° \mathbb{H} 52'35		desc. node	-12165 Apr 12 j 10:00	19° \approx 18'06	
evening set	-12166 May 13 j 23:05	6° \mathbb{H} 08'44		retrograde	-12165 Apr 19 j 20:50	21° \approx 44'46	
min. Earth dist.	-12166 May 17 j 17:03	2° \mathbb{H} 30'14	0.64513 AU	evening set	-12165 Apr 26 j 18:52	19° \approx 16'23	
inferior conj	-12166 May 19 j 22:08	0° \mathbb{H} 00'14	-3°20'03	min. Earth dist.	-12165 Apr 30 j 11:04	16° \approx 06'33	0.62889 AU
minimum elong	-12166 May 19 j 23:26	29° \approx 56'32	3°20'19	inferior conj	-12165 May 03 j 06:11	13° \approx 16'28	-3°25'39
	-12166 May 19 j 22:13	30° \mathbb{R} \approx		minimum elong	-12165 May 03 j 06:07	13° \approx 16'38	3°26'11
morning rise	-12166 May 26 j 00:21	24° \approx 30'04		morning rise	-12165 May 09 j 18:31	8° \approx 04'13	
direct	-12166 May 28 j 22:55	23° \approx 43'46		direct	-12165 May 12 j 12:10	7° \approx 28'03	
asc. node	-12166 Jun 04 j 09:05	27° \approx 08'54		morning max el	-12165 May 19 j 01:01	10° \approx 50'26	18°03'21
morning max el	-12166 Jun 04 j 11:15	27° \approx 14'20	18°18'40	asc. node	-12165 May 22 j 05:51	14° \approx 34'06	
	-12166 Jun 06 j 21:41	0° \mathbb{H}			-12165 May 31 j 22:25	0° \mathbb{H}	
morning set	-12166 Jun 23 j 05:28	25° \mathbb{H} 44'02		morning set	-12165 Jun 05 j 02:34	7° \mathbb{H} 18'26	
	-12166 Jun 25 j 18:43	0° \mathbb{Y}					
superior conj	-12166 Jul 07 j 05:37	18° \mathbb{Y} 45'22	1°20'31	superior conj	-12165 Jun 17 j 06:18	28° \mathbb{H} 12'14	1°42'45
minimum elong	-12166 Jul 07 j 12:06	19° \mathbb{Y} 11'25	1°20'10	minimum elong	-12165 Jun 17 j 09:52	28° \mathbb{H} 27'10	1°42'32
max. Earth dist.	-12166 Jul 10 j 20:20	24° \mathbb{Y} 32'08	1.44261 AU		-12165 Jun 18 j 08:11	0° \mathbb{Y}	
	-12166 Jul 14 j 07:03	0° \mathbb{B}		max. Earth dist.	-12165 Jun 23 j 09:27	8° \mathbb{Y} 17'09	1.43280 AU
desc. node	-12166 Jul 22 j 09:22	12° \mathbb{B} 42'35		evening rise	-12165 Jul 02 j 21:22	23° \mathbb{Y} 21'32	
evening rise	-12166 Jul 23 j 20:23	14° \mathbb{B} 59'11			-12165 Jul 07 j 04:27	0° \mathbb{B}	
	-12166 Aug 02 j 13:08	0° \mathbb{I}		desc. node	-12165 Jul 09 j 06:50	3° \mathbb{B} 12'41	
greatest brilliancy	-12166 Aug 04 j 14:02	3° \mathbb{I} 06'03	-0.7m		-12165 Jul 27 j 23:55	0° \mathbb{I}	
evening max el	-12166 Aug 17 j 18:43	20° \mathbb{I} 56'04	19°44'22	evening max el	-12165 Jul 31 j 20:22	4° \mathbb{I} 23'11	20°47'36
retrograde	-12166 Aug 25 j 03:30	25° \mathbb{I} 10'43		retrograde	-12165 Aug 09 j 00:07	9° \mathbb{I} 09'51	
evening set	-12166 Aug 28 j 14:31	24° \mathbb{I} 01'20		evening set	-12165 Aug 12 j 22:33	7° \mathbb{I} 41'41	
asc. node	-12166 Aug 31 j 10:01	21° \mathbb{I} 28'18		inferior conj	-12165 Aug 18 j 07:22	1° \mathbb{I} 35'46	0°00'20
inferior conj	-12166 Sep 03 j 04:15	18° \mathbb{I} 03'54	0°51'45	minimum elong	-12165 Aug 18 j 07:20	1° \mathbb{I} 35'51	0°00'58
minimum elong	-12166 Sep 03 j 03:04	18° \mathbb{I} 07'46	0°52'00	transit middle	-12165 Aug 18 j 07:20	1° \mathbb{I} 35'51	0°00'58
min. Earth dist.	-12166 Sep 04 j 06:20	16° \mathbb{I} 39'00	0.66191 AU	transit begin	-12165 Aug 18 j 04:37	1° \mathbb{I} 45'06	
morning rise	-12166 Sep 08 j 15:18	11° \mathbb{I} 44'55		transit end	-12165 Aug 18 j 10:04	1° \mathbb{I} 26'37	
direct	-12166 Sep 14 j 12:08	9° \mathbb{I} 15'06		asc. node	-12165 Aug 18 j 06:56	1° \mathbb{I} 37'12	
morning max el	-12166 Sep 26 j 14:48	16° \mathbb{I} 23'46	25°33'31	min. Earth dist.	-12165 Aug 18 j 22:27	0° \mathbb{I} 44'37	0.66833 AU
	-12166 Oct 07 j 23:51	0° \mathbb{E}			-12165 Aug 19 j 11:43	30° \mathbb{R} \mathbb{B}	
desc. node	-12166 Oct 18 j 07:57	14° \mathbb{E} 57'09		morning rise	-12165 Aug 23 j 15:58	25° \mathbb{B} 14'44	
	-12166 Oct 27 j 14:24	0° \mathbb{O}		direct	-12165 Aug 28 j 22:28	23° \mathbb{B} 01'07	
morning set	-12166 Nov 01 j 15:48	8° \mathbb{O} 53'42		morning max el	-12165 Sep 09 j 00:37	29° \mathbb{B} 39'22	24°14'40
max. Earth dist.	-12166 Nov 05 j 14:01	16° \mathbb{O} 09'08	1.36630 AU		-12165 Sep 09 j 08:42	0° \mathbb{I}	
					-12165 Oct 01 j 20:57	0° \mathbb{E}	
superior conj	-12166 Nov 11 j 07:35	27° \mathbb{O} 17'15	-1°37'24	desc. node	-12165 Oct 05 j 04:51	5° \mathbb{E} 10'06	
minimum elong	-12166 Nov 11 j 07:57	27° \mathbb{O} 19'06	1°37'00	morning set	-12165 Oct 14 j 11:55	20° \mathbb{E} 27'47	
	-12166 Nov 12 j 16:05	0° \mathbb{M}		max. Earth dist.	-12165 Oct 18 j 13:55	27° \mathbb{E} 37'14	1.38521 AU
evening rise	-12166 Nov 19 j 06:51	13° \mathbb{M} 26'19			-12165 Oct 19 j 21:39	0° \mathbb{O}	
asc. node	-12166 Nov 27 j 08:29	28° \mathbb{M} 50'00					
	-12166 Nov 28 j 00:54	0° \mathbb{A}		superior conj	-12165 Oct 25 j 14:07	10° \mathbb{O} 34'20	-1°35'49
evening max el	-12166 Dec 07 j 02:15	12° \mathbb{A} 05'00	19°51'27	minimum elong	-12165 Oct 25 j 12:52	10° \mathbb{O} 28'22	1°35'13
retrograde	-12166 Dec 16 j 21:39	16° \mathbb{A} 41'54		evening rise	-12165 Nov 03 j 06:47	27° \mathbb{O} 32'20	
evening set	-12166 Dec 19 j 11:45	16° \mathbb{A} 24'07			-12165 Nov 04 j 12:56	0° \mathbb{M}	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

asc. node	-12165 Nov 14 j 05:50	17° \mathbb{M} 17'41		evening rise	-12164 Oct 16 j 22:10	11° Ω 09'07	
evening max el	-12165 Nov 19 j 21:57	24° \mathbb{M} 20'44	18°56'33		-12164 Oct 27 j 12:48	0° \mathbb{M}	
retrograde	-12165 Nov 28 j 08:43	28° \mathbb{M} 24'36		asc. node	-12164 Oct 31 j 03:08	4° \mathbb{M} 56'33	
evening set	-12165 Nov 30 j 20:36	28° \mathbb{M} 04'48		evening max el	-12164 Nov 02 j 02:18	7° \mathbb{M} 05'20	18°22'02
inferior conj	-12165 Dec 08 j 19:12	23° \mathbb{M} 43'49	4°15'31	retrograde	-12164 Nov 09 j 13:34	10° \mathbb{M} 48'29	
minimum elong	-12165 Dec 08 j 20:16	23° \mathbb{M} 41'54	4°15'35	evening set	-12164 Nov 12 j 00:48	10° \mathbb{M} 25'14	
min. Earth dist.	-12165 Dec 11 j 20:26	21° \mathbb{M} 33'15	0.57860 AU	inferior conj	-12164 Nov 19 j 10:44	5° \mathbb{M} 43'18	4°11'06
morning rise	-12165 Dec 16 j 18:00	18° \mathbb{M} 42'56		minimum elong	-12164 Nov 19 j 08:36	5° \mathbb{M} 47'43	4°11'14
direct	-12165 Dec 22 j 09:35	17° \mathbb{M} 27'08		min. Earth dist.	-12164 Nov 22 j 15:09	3° \mathbb{M} 05'54	0.59647 AU
desc. node	-12164 Jan 01 j 06:25	21° \mathbb{M} 08'11		morning rise	-12164 Nov 26 j 14:45	0° \mathbb{M} 20'57	
morning max el	-12164 Jan 05 j 10:13	24° \mathbb{M} 37'17	25°33'18		-12164 Nov 27 j 06:22	30° \mathbb{R} Ω	
	-12164 Jan 10 j 09:22	0° \mathbb{L}		direct	-12164 Dec 03 j 04:49	28° Ω 27'45	
	-12164 Jan 29 j 01:03	0° \mathbb{M}			-12164 Dec 09 j 07:54	0° \mathbb{M}	
morning set	-12164 Feb 01 j 20:45	7° \mathbb{M} 48'25		morning max el	-12164 Dec 17 j 05:32	5° \mathbb{M} 48'17	26°45'07
				desc. node	-12164 Dec 18 j 03:03	6° \mathbb{M} 40'58	
superior conj	-12164 Feb 08 j 19:53	22° \mathbb{M} 48'48	-0°12'23		-12163 Jan 04 j 06:16	0° \mathbb{L}	
minimum elong	-12164 Feb 08 j 20:24	22° \mathbb{M} 51'40	0°12'51	morning set	-12163 Jan 16 j 07:22	22° \mathbb{L} 48'00	
behind sun begin	-12164 Feb 08 j 17:29	22° \mathbb{M} 35'44			-12163 Jan 19 j 16:46	0° \mathbb{M}	
behind sun end	-12164 Feb 08 j 23:20	23° \mathbb{M} 07'37					
max. Earth dist.	-12164 Feb 09 j 16:17	24° \mathbb{M} 39'43	1.32978 AU	superior conj	-12163 Jan 23 j 07:41	7° \mathbb{M} 52'49	-0°34'23
asc. node	-12164 Feb 10 j 03:17	25° \mathbb{M} 39'24		minimum elong	-12163 Jan 23 j 09:00	8° \mathbb{M} 00'02	0°34'33
	-12164 Feb 12 j 03:37	0° \mathbb{X}		max. Earth dist.	-12163 Jan 23 j 05:41	7° \mathbb{M} 41'50	1.32777 AU
evening rise	-12164 Feb 16 j 01:43	8° \mathbb{X} 14'10		asc. node	-12163 Jan 27 j 00:35	15° \mathbb{M} 56'30	
	-12164 Feb 27 j 16:10	0° \mathbb{Z}		evening rise	-12163 Jan 30 j 09:29	23° \mathbb{M} 05'57	
evening max el	-12164 Mar 18 j 07:08	26° \mathbb{Z} 30'38	27°07'54		-12163 Feb 02 j 18:54	0° \mathbb{X}	
	-12164 Mar 22 j 08:34	0° \mathbb{Z}			-12163 Feb 21 j 01:02	0° \mathbb{Z}	
desc. node	-12164 Mar 29 j 07:11	3° \mathbb{Z} 35'59		evening max el	-12163 Feb 28 j 07:48	8° \mathbb{Z} 13'21	26°16'43
retrograde	-12164 Apr 01 j 08:04	4° \mathbb{Z} 00'19		retrograde	-12163 Mar 14 j 10:49	15° \mathbb{Z} 34'01	
evening set	-12164 Apr 07 j 22:36	1° \mathbb{Z} 59'08		desc. node	-12163 Mar 16 j 04:15	15° \mathbb{Z} 26'28	
	-12164 Apr 10 j 17:50	30° \mathbb{R} \mathbb{Z}		evening set	-12163 Mar 20 j 07:55	14° \mathbb{Z} 07'11	
min. Earth dist.	-12164 Apr 11 j 19:56	29° \mathbb{Z} 05'57	0.60988 AU	min. Earth dist.	-12163 Mar 24 j 21:08	11° \mathbb{Z} 15'48	0.58999 AU
inferior conj	-12164 Apr 15 j 01:34	26° \mathbb{Z} 13'02	-3°13'38	inferior conj	-12163 Mar 28 j 04:45	8° \mathbb{Z} 41'57	-2°38'12
minimum elong	-12164 Apr 14 j 23:44	26° \mathbb{Z} 17'10	3°14'07	minimum elong	-12163 Mar 28 j 01:26	8° \mathbb{Z} 48'25	2°38'16
morning rise	-12164 Apr 22 j 02:56	21° \mathbb{Z} 20'26		morning rise	-12163 Apr 04 j 21:58	4° \mathbb{Z} 09'24	
direct	-12164 Apr 24 j 16:10	20° \mathbb{Z} 53'10		direct	-12163 Apr 07 j 06:40	3° \mathbb{Z} 49'42	
morning max el	-12164 May 01 j 14:18	24° \mathbb{Z} 19'10	18°06'34	morning max el	-12163 Apr 15 j 00:17	7° \mathbb{Z} 33'01	18°28'53
	-12164 May 06 j 05:56	0° \mathbb{Z}		asc. node	-12163 Apr 24 j 23:34	21° \mathbb{Z} 43'09	
asc. node	-12164 May 08 j 02:40	2° \mathbb{Z} 49'10			-12163 Apr 29 j 11:29	0° \mathbb{Z}	
morning set	-12164 May 17 j 19:38	19° \mathbb{Z} 51'23		morning set	-12163 May 01 j 04:01	3° \mathbb{Z} 12'40	
	-12164 May 23 j 08:55	0° \mathbb{X}					
superior conj	-12164 May 28 j 09:58	8° \mathbb{X} 59'09	1°49'10	superior conj	-12163 May 10 j 13:47	20° \mathbb{Z} 59'53	1°43'18
minimum elong	-12164 May 28 j 09:54	8° \mathbb{X} 58'51	1°48'52	minimum elong	-12163 May 10 j 11:29	20° \mathbb{Z} 49'15	1°42'43
max. Earth dist.	-12164 Jun 04 j 17:08	21° \mathbb{X} 27'49	1.41777 AU		-12163 May 15 j 13:22	0° \mathbb{X}	
	-12164 Jun 09 j 22:09	0° \mathbb{Y}		max. Earth dist.	-12163 May 17 j 19:02	3° \mathbb{X} 55'07	1.39969 AU
evening rise	-12164 Jun 11 j 03:55	1° \mathbb{Y} 59'31		evening rise	-12163 May 22 j 10:04	11° \mathbb{X} 47'38	
desc. node	-12164 Jun 25 j 04:22	23° \mathbb{Y} 31'07			-12163 Jun 02 j 20:02	0° \mathbb{Y}	
	-12164 Jun 29 j 15:46	0° \mathbb{X}		desc. node	-12163 Jun 12 j 01:53	13° \mathbb{Y} 32'38	
evening max el	-12164 Jul 13 j 14:54	17° \mathbb{X} 45'12	22°02'28		-12163 Jun 25 j 02:39	0° \mathbb{X}	
retrograde	-12164 Jul 22 j 19:31	23° \mathbb{X} 11'52		evening max el	-12163 Jun 26 j 03:38	1° \mathbb{X} 04'35	23°24'05
evening set	-12164 Jul 27 j 07:07	21° \mathbb{X} 22'48		retrograde	-12163 Jul 06 j 12:21	7° \mathbb{X} 14'01	
inferior conj	-12164 Aug 01 j 13:00	15° \mathbb{X} 11'04	-0°48'32	evening set	-12163 Jul 11 j 14:17	5° \mathbb{X} 03'50	
minimum elong	-12164 Aug 01 j 13:59	15° \mathbb{X} 07'40	0°47'40		-12163 Jul 15 j 22:39	30° \mathbb{R} \mathbb{Y}	
min. Earth dist.	-12164 Aug 01 j 17:30	14° \mathbb{X} 55'30	0.67177 AU	inferior conj	-12163 Jul 16 j 19:22	28° \mathbb{Y} 48'47	-1°33'27
asc. node	-12164 Aug 04 j 03:49	11° \mathbb{X} 41'41		minimum elong	-12163 Jul 16 j 21:07	28° \mathbb{Y} 42'45	1°32'33
morning rise	-12164 Aug 06 j 20:45	8° \mathbb{X} 51'39		min. Earth dist.	-12163 Jul 16 j 13:09	29° \mathbb{Y} 10'12	0.67223 AU
direct	-12164 Aug 11 j 13:24	6° \mathbb{X} 56'14		morning rise	-12163 Jul 22 j 03:54	22° \mathbb{Y} 34'33	
morning max el	-12164 Aug 21 j 12:09	12° \mathbb{X} 55'28	22°50'45	asc. node	-12163 Jul 22 j 00:39	22° \mathbb{Y} 41'03	
	-12164 Sep 04 j 01:43	0° \mathbb{I}		direct	-12163 Jul 26 j 08:08	20° \mathbb{Y} 57'07	
desc. node	-12164 Sep 21 j 01:51	25° \mathbb{I} 36'19		morning max el	-12163 Aug 04 j 03:52	26° \mathbb{Y} 14'01	21°29'37
	-12164 Sep 23 j 19:13	0° \mathbb{L}			-12163 Aug 07 j 12:16	0° \mathbb{X}	
morning set	-12164 Sep 24 j 06:33	0° \mathbb{L} 46'17			-12163 Aug 28 j 15:06	0° \mathbb{I}	
max. Earth dist.	-12164 Sep 29 j 13:44	9° \mathbb{L} 36'55	1.40501 AU	morning set	-12163 Sep 04 j 00:04	9° \mathbb{I} 53'51	
				desc. node	-12163 Sep 07 j 22:56	16° \mathbb{I} 11'16	
superior conj	-12164 Oct 07 j 04:11	22° \mathbb{L} 58'28	-1°24'45	max. Earth dist.	-12163 Sep 11 j 18:02	22° \mathbb{I} 21'20	1.42303 AU
minimum elong	-12164 Oct 07 j 01:05	22° \mathbb{L} 44'26	1°23'51		-12163 Sep 16 j 08:12	0° \mathbb{L}	
	-12164 Oct 11 j 00:01	0° \mathbb{L}		superior conj	-12163 Sep 18 j 20:06	4° \mathbb{L} 15'05	-1°02'04

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-12163 Sep 18 j 15:57	3° \mathfrak{D} 57'14	1°00'54			-12162 Sep 27 j 01:52	0° \mathfrak{Q}	
evening rise	-12163 Sep 30 j 01:23	24° \mathfrak{D} 07'58		evening max el	-12162 Sep 30 j 02:11	3° \mathfrak{Q} 32'59	18°12'10	
	-12163 Oct 03 j 07:21	0° \mathfrak{Q}		asc. node	-12162 Oct 04 j 21:34	6° \mathfrak{Q} 49'35		
evening max el	-12163 Oct 16 j 12:43	20° \mathfrak{Q} 11'54	18°07'34	retrograde	-12162 Oct 06 j 17:02	7° \mathfrak{Q} 06'28		
asc. node	-12163 Oct 18 j 00:24	21° \mathfrak{Q} 32'33		evening set	-12162 Oct 09 j 08:57	6° \mathfrak{Q} 30'21		
retrograde	-12163 Oct 23 j 09:40	23° \mathfrak{Q} 45'20		inferior conj	-12162 Oct 15 j 19:49	1° \mathfrak{Q} 08'14	3°02'18	
evening set	-12163 Oct 25 j 22:09	23° \mathfrak{Q} 16'51		minimum elong	-12162 Oct 15 j 16:04	1° \mathfrak{Q} 18'11	3°01'54	
inferior conj	-12163 Nov 01 j 20:01	18° \mathfrak{Q} 13'53	3°43'34		-12162 Oct 16 j 21:22	30° \mathfrak{R} \mathfrak{D}		
minimum elong	-12163 Nov 01 j 16:22	18° \mathfrak{Q} 22'32	3°43'22	min. Earth dist.	-12162 Oct 18 j 05:42	28° \mathfrak{D} 34'50	0.63165 AU	
min. Earth dist.	-12163 Nov 04 j 17:37	15° \mathfrak{Q} 29'51	0.61485 AU	morning rise	-12162 Oct 21 j 22:18	25° \mathfrak{D} 12'43		
morning rise	-12163 Nov 08 j 09:19	12° \mathfrak{Q} 33'28		direct	-12162 Oct 28 j 22:40	22° \mathfrak{D} 32'47		
direct	-12163 Nov 15 j 09:50	10° \mathfrak{Q} 10'12		morning max el	-12162 Nov 11 j 14:02	0° \mathfrak{Q} 04'15	27°32'29	
morning max el	-12163 Nov 29 j 07:11	17° \mathfrak{Q} 37'44	27°26'05		-12162 Nov 11 j 12:17	0° \mathfrak{Q}		
desc. node	-12163 Dec 04 j 23:40	23° \mathfrak{Q} 49'09		desc. node	-12162 Nov 21 j 20:19	12° \mathfrak{Q} 05'44		
	-12163 Dec 09 j 18:29	0° \mathfrak{M}			-12162 Dec 03 j 16:09	0° \mathfrak{M}		
	-12163 Dec 27 j 19:17	0° \mathfrak{L}		morning set	-12162 Dec 15 j 14:54	21° \mathfrak{M} 59'54		
morning set	-12163 Dec 31 j 14:11	7° \mathfrak{L} 34'28			-12162 Dec 19 j 12:33	0° \mathfrak{L}		
max. Earth dist.	-12162 Jan 06 j 17:48	20° \mathfrak{L} 36'42	1.32919 AU	max. Earth dist.	-12162 Dec 21 j 01:10	3° \mathfrak{L} 13'02	1.33433 AU	
superior conj	-12162 Jan 07 j 19:13	22° \mathfrak{L} 54'44	-0°54'28	superior conj	-12162 Dec 23 j 04:45	7° \mathfrak{L} 48'30	-1°11'53	
minimum elong	-12162 Jan 07 j 21:04	23° \mathfrak{L} 04'50	0°54'26	minimum elong	-12162 Dec 23 j 06:48	7° \mathfrak{L} 59'33	1°11'42	
	-12162 Jan 11 j 01:23	0° \mathfrak{M}		evening rise	-12162 Dec 30 j 07:07	23° \mathfrak{L} 01'12		
asc. node	-12162 Jan 13 j 21:55	6° \mathfrak{M} 07'56		asc. node	-12162 Dec 31 j 19:16	26° \mathfrak{L} 09'04		
evening rise	-12162 Jan 14 j 19:51	8° \mathfrak{M} 03'37			-12161 Jan 02 j 16:50	0° \mathfrak{M}		
	-12162 Jan 26 j 09:48	0° \mathfrak{J}			-12161 Jan 22 j 14:09	0° \mathfrak{J}		
evening max el	-12162 Feb 10 j 03:19	19° \mathfrak{J} 22'47	24°59'35	evening max el	-12161 Jan 22 j 20:39	0° \mathfrak{J} 15'26	23°27'40	
retrograde	-12162 Feb 24 j 02:39	26° \mathfrak{J} 25'11		retrograde	-12161 Feb 05 j 05:29	6° \mathfrak{J} 46'20		
evening set	-12162 Feb 28 j 22:57	25° \mathfrak{J} 31'04		evening set	-12161 Feb 09 j 00:51	6° \mathfrak{J} 14'37		
desc. node	-12162 Mar 03 j 01:13	24° \mathfrak{J} 36'35		min. Earth dist.	-12161 Feb 16 j 09:27	2° \mathfrak{J} 49'10	0.55955 AU	
min. Earth dist.	-12162 Mar 06 j 17:00	22° \mathfrak{J} 28'12	0.57213 AU	desc. node	-12161 Feb 17 j 22:05	1° \mathfrak{J} 54'23		
inferior conj	-12162 Mar 09 j 12:39	20° \mathfrak{J} 34'39	-1°33'59	inferior conj	-12161 Feb 18 j 01:22	1° \mathfrak{J} 49'27	-0°02'06	
minimum elong	-12162 Mar 09 j 09:32	20° \mathfrak{J} 39'54	1°33'50	minimum elong	-12161 Feb 18 j 01:15	1° \mathfrak{J} 49'37	0°02'40	
morning rise	-12162 Mar 17 j 23:23	16° \mathfrak{J} 19'37		transit middle	-12161 Feb 18 j 01:15	1° \mathfrak{J} 49'37	0°02'40	
direct	-12162 Mar 20 j 04:03	16° \mathfrak{J} 05'25		transit begin	-12161 Feb 17 j 21:17	1° \mathfrak{J} 55'34		
morning max el	-12162 Mar 29 j 03:48	20° \mathfrak{J} 21'08	19°10'48	transit end	-12161 Feb 18 j 05:13	1° \mathfrak{J} 43'40		
	-12162 Apr 05 j 14:43	0° \mathfrak{Z}			-12161 Feb 21 j 05:20	30° \mathfrak{R} \mathfrak{M}		
asc. node	-12162 Apr 11 j 20:30	11° \mathfrak{Z} 06'03		morning rise	-12161 Feb 27 j 03:46	27° \mathfrak{M} 45'02		
morning set	-12162 Apr 14 j 23:30	17° \mathfrak{Z} 11'06		direct	-12161 Mar 01 j 08:10	27° \mathfrak{M} 33'03		
	-12162 Apr 21 j 11:06	0° \mathfrak{A}			-12161 Mar 08 j 17:39	0° \mathfrak{J}		
				morning max el	-12161 Mar 11 j 21:53	2° \mathfrak{J} 34'01	20°12'26	
superior conj	-12162 Apr 23 j 12:09	3° \mathfrak{A} 58'32	1°29'10		-12161 Mar 29 j 07:26	0° \mathfrak{Z}		
minimum elong	-12162 Apr 23 j 09:06	3° \mathfrak{A} 43'48	1°28'16	asc. node	-12161 Mar 29 j 17:29	0° \mathfrak{Z} 50'39		
max. Earth dist.	-12162 Apr 29 j 19:00	15° \mathfrak{A} 47'02	1.38104 AU	morning set	-12161 Mar 30 j 02:48	1° \mathfrak{Z} 37'40		
evening rise	-12162 May 03 j 19:38	22° \mathfrak{A} 58'57						
	-12162 May 07 j 21:46	0° \mathfrak{H}		superior conj	-12161 Apr 07 j 00:09	17° \mathfrak{Z} 41'21	1°09'54	
	-12162 May 27 j 14:29	0° \mathfrak{Y}		minimum elong	-12161 Apr 06 j 21:21	17° \mathfrak{Z} 27'17	1°08'49	
desc. node	-12162 May 29 j 23:21	3° \mathfrak{Y} 09'37		max. Earth dist.	-12161 Apr 11 j 23:36	27° \mathfrak{Z} 28'57	1.36403 AU	
evening max el	-12162 Jun 08 j 13:35	14° \mathfrak{Y} 25'07	24°45'30		-12161 Apr 13 j 07:16	0° \mathfrak{A}		
retrograde	-12162 Jun 20 j 01:29	21° \mathfrak{Y} 12'10		evening rise	-12161 Apr 16 j 04:21	5° \mathfrak{A} 22'06		
evening set	-12162 Jun 25 j 18:05	18° \mathfrak{Y} 43'11			-12161 Apr 30 j 18:38	0° \mathfrak{H}		
min. Earth dist.	-12162 Jun 30 j 06:58	13° \mathfrak{Y} 26'45	0.66944 AU	desc. node	-12161 May 16 j 20:47	22° \mathfrak{H} 11'58		
inferior conj	-12162 Jul 01 j 00:41	12° \mathfrak{Y} 27'12	-2°13'09	evening max el	-12161 May 21 j 23:29	27° \mathfrak{H} 47'18	25°58'08	
minimum elong	-12162 Jul 01 j 02:54	12° \mathfrak{Y} 19'48	2°12'23		-12161 May 24 j 08:15	0° \mathfrak{Y}		
morning rise	-12162 Jul 06 j 11:40	6° \mathfrak{Y} 21'34		retrograde	-12161 Jun 03 j 10:07	5° \mathfrak{Y} 01'18		
asc. node	-12162 Jul 08 j 21:26	5° \mathfrak{Y} 10'50		evening set	-12161 Jun 09 j 16:23	2° \mathfrak{Y} 18'53		
direct	-12162 Jul 10 j 05:20	5° \mathfrak{Y} 00'48			-12161 Jun 11 j 22:58	30° \mathfrak{R} \mathfrak{H}		
morning max el	-12162 Jul 18 j 01:36	9° \mathfrak{Y} 37'42	20°17'33	min. Earth dist.	-12161 Jun 13 j 20:30	27° \mathfrak{H} 41'47	0.66308 AU	
	-12162 Aug 02 j 03:29	0° \mathfrak{B}		inferior conj	-12161 Jun 15 j 03:04	26° \mathfrak{H} 04'08	-2°46'11	
morning set	-12162 Aug 14 j 03:37	18° \mathfrak{B} 23'50		minimum elong	-12161 Jun 15 j 05:19	25° \mathfrak{H} 56'55	2°45'45	
	-12162 Aug 21 j 13:04	0° \mathfrak{I}		morning rise	-12161 Jun 20 j 18:19	20° \mathfrak{H} 10'20		
max. Earth dist.	-12162 Aug 25 j 04:32	5° \mathfrak{I} 48'34	1.43679 AU	direct	-12161 Jun 24 j 03:19	19° \mathfrak{H} 04'23		
desc. node	-12162 Aug 25 j 20:07	6° \mathfrak{I} 51'10		asc. node	-12161 Jun 25 j 18:11	19° \mathfrak{H} 18'54		
				morning max el	-12161 Jul 01 j 05:45	23° \mathfrak{H} 08'05	19°18'45	
superior conj	-12162 Aug 30 j 09:02	14° \mathfrak{I} 12'48	-0°26'59		-12161 Jul 06 j 19:29	0° \mathfrak{Y}		
minimum elong	-12162 Aug 30 j 06:23	14° \mathfrak{I} 01'58	0°25'59	morning set	-12161 Jul 24 j 12:52	27° \mathfrak{Y} 11'00		
	-12162 Sep 08 j 19:39	0° \mathfrak{D}			-12161 Jul 26 j 07:43	0° \mathfrak{B}		
evening rise	-12162 Sep 12 j 11:39	6° \mathfrak{D} 17'24		max. Earth dist.	-12161 Aug 07 j 19:54	19° \mathfrak{B} 44'59	1.44455 AU	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-12161 Aug 09 j 20:15	22°♄56'51	0°17'04	desc. node	-12160 Jul 29 j 14:44	18°♄12'01	
minimum elong	-12161 Aug 09 j 22:21	23°♄05'11	0°17'22	evening rise	-12160 Aug 04 j 07:57	27°♄13'45	
desc. node	-12161 Aug 12 j 17:23	27°♄32'20			-12160 Aug 06 j 02:03	0°♄	
	-12161 Aug 14 j 06:17	0°♄			-12160 Aug 26 j 14:12	0°♄	
evening rise	-12161 Aug 24 j 23:18	17°♄22'55		evening max el	-12160 Aug 27 j 02:09	0°♄31'21	19°14'18
	-12161 Sep 01 j 16:06	0°♄		retrograde	-12160 Sep 03 j 02:58	4°♄31'55	
evening max el	-12161 Sep 13 j 15:35	17°♄00'59	18°34'46	evening set	-12160 Sep 06 j 08:24	3°♄31'48	
retrograde	-12161 Sep 20 j 07:52	20°♄43'30		asc. node	-12160 Sep 07 j 15:44	2°♄34'17	
asc. node	-12161 Sep 21 j 18:41	20°♄31'47			-12160 Sep 10 j 04:10	30°♄♄	
evening set	-12161 Sep 23 j 05:25	19°♄56'59		inferior conj	-12160 Sep 12 j 01:48	27°♄40'10	1°21'53
inferior conj	-12161 Sep 29 j 06:42	14°♄18'28	2°13'39	minimum elong	-12160 Sep 11 j 23:56	27°♄46'05	1°21'55
minimum elong	-12161 Sep 29 j 03:42	14°♄27'14	2°13'22	min. Earth dist.	-12160 Sep 13 j 10:26	25°♄57'19	0.65689 AU
min. Earth dist.	-12161 Oct 01 j 03:38	12°♄07'09	0.64578 AU	morning rise	-12160 Sep 17 j 15:04	21°♄24'03	
morning rise	-12161 Oct 05 j 01:24	8°♄10'54		direct	-12160 Sep 23 j 19:38	18°♄47'23	
direct	-12161 Oct 11 j 18:04	5°♄27'31		morning max el	-12160 Oct 06 j 10:12	26°♄07'44	26°13'10
morning max el	-12161 Oct 24 j 23:46	12°♄57'53	27°06'18		-12160 Oct 10 j 01:18	0°♄	
	-12161 Nov 07 j 21:27	0°♄		desc. node	-12160 Oct 25 j 13:43	20°♄48'18	
desc. node	-12161 Nov 08 j 16:58	1°♄09'58			-12160 Oct 31 j 10:19	0°♄	
	-12161 Nov 26 j 04:05	0°♄		morning set	-12160 Nov 11 j 09:10	19°♄04'00	
morning set	-12161 Nov 29 j 06:30	5°♄53'30		max. Earth dist.	-12160 Nov 15 j 12:49	26°♄58'18	1.35686 AU
max. Earth dist.	-12161 Dec 04 j 00:15	15°♄20'26	1.34349 AU		-12160 Nov 17 j 01:50	0°♄	
superior conj	-12161 Dec 07 j 10:18	22°♄26'11	-1°25'45	superior conj	-12160 Nov 20 j 09:29	6°♄40'15	-1°34'52
minimum elong	-12161 Dec 07 j 12:07	22°♄35'47	1°25'28	minimum elong	-12160 Nov 20 j 10:33	6°♄45'42	1°34'32
	-12161 Dec 11 j 00:05	0°♄		evening rise	-12160 Nov 28 j 01:35	22°♄29'44	
evening rise	-12161 Dec 14 j 17:36	7°♄51'46			-12160 Dec 01 j 19:18	0°♄	
asc. node	-12161 Dec 18 j 16:37	15°♄53'46		asc. node	-12160 Dec 04 j 14:00	5°♄15'32	
	-12161 Dec 26 j 16:20	0°♄		evening max el	-12160 Dec 16 j 20:20	22°♄35'59	20°31'33
evening max el	-12160 Jan 04 j 16:39	11°♄13'05	21°54'31	retrograde	-12160 Dec 27 j 13:34	27°♄37'52	
retrograde	-12160 Jan 16 j 22:00	17°♄01'19		evening set	-12160 Dec 30 j 05:54	27°♄20'18	
evening set	-12160 Jan 19 j 23:34	16°♄40'24		inferior conj	-12159 Jan 07 j 23:35	23°♄20'31	3°10'48
inferior conj	-12160 Jan 29 j 00:55	12°♄36'28	1°42'03	minimum elong	-12159 Jan 08 j 05:19	23°♄11'59	3°09'15
minimum elong	-12160 Jan 29 j 05:05	12°♄30'31	1°40'18	min. Earth dist.	-12159 Jan 09 j 13:10	22°♄24'45	0.55827 AU
min. Earth dist.	-12160 Jan 28 j 23:47	12°♄38'05	0.55461 AU	morning rise	-12159 Jan 17 j 03:15	18°♄56'47	
desc. node	-12160 Feb 04 j 18:52	9°♄14'42		direct	-12159 Jan 20 j 16:41	18°♄28'55	
morning rise	-12160 Feb 07 j 10:47	8°♄30'01		desc. node	-12159 Jan 21 j 15:35	18°♄30'59	
direct	-12160 Feb 10 j 00:39	8°♄14'59		morning max el	-12159 Feb 03 j 01:21	25°♄03'50	23°05'46
morning max el	-12160 Feb 22 j 04:43	14°♄06'24	21°32'26		-12159 Feb 07 j 13:45	0°♄	
	-12160 Mar 04 j 22:17	0°♄			-12159 Feb 25 j 06:35	0°♄	
morning set	-12160 Mar 13 j 11:14	16°♄24'18		morning set	-12159 Feb 25 j 22:38	1°♄23'31	
asc. node	-12160 Mar 15 j 14:32	20°♄51'02		asc. node	-12159 Mar 02 j 11:39	11°♄01'59	
	-12160 Mar 19 j 23:20	0°♄					
superior conj	-12160 Mar 20 j 21:50	1°♄57'06	0°47'47	superior conj	-12159 Mar 05 j 02:15	16°♄36'13	0°24'23
minimum elong	-12160 Mar 20 j 19:49	1°♄46'37	0°46'42	minimum elong	-12159 Mar 05 j 01:13	16°♄30'47	0°23'29
max. Earth dist.	-12160 Mar 24 j 13:18	9°♄24'50	1.34997 AU	max. Earth dist.	-12159 Mar 07 j 12:55	21°♄46'00	1.33941 AU
evening rise	-12160 Mar 29 j 06:28	18°♄40'34			-12159 Mar 11 j 13:07	0°♄	
	-12160 Apr 04 j 10:17	0°♄		evening rise	-12159 Mar 12 j 21:06	2°♄39'22	
	-12160 Apr 23 j 20:53	0°♄			-12159 Mar 28 j 07:07	0°♄	
desc. node	-12160 May 02 j 18:10	10°♄25'40		evening max el	-12159 Apr 15 j 20:35	24°♄09'33	27°23'32
evening max el	-12160 May 03 j 10:08	11°♄05'31	26°53'21	desc. node	-12159 Apr 19 j 15:30	27°♄30'17	
retrograde	-12160 May 16 j 13:45	18°♄35'06			-12159 Apr 23 j 09:20	0°♄	
evening set	-12160 May 23 j 06:45	15°♄48'11		retrograde	-12159 Apr 29 j 11:57	1°♄44'58	
min. Earth dist.	-12160 May 27 j 03:38	11°♄49'48	0.65280 AU		-12159 May 05 j 03:09	30°♄♄	
inferior conj	-12160 May 29 j 00:22	9°♄36'50	-3°10'45	evening set	-12159 May 06 j 10:15	29°♄05'42	
minimum elong	-12160 May 29 j 02:11	9°♄31'25	3°10'45	min. Earth dist.	-12159 May 10 j 02:40	25°♄40'59	0.63857 AU
morning rise	-12160 Jun 03 j 21:56	3°♄57'36		inferior conj	-12159 May 12 j 14:04	23°♄00'23	-3°24'17
direct	-12160 Jun 06 j 23:56	3°♄04'40		minimum elong	-12159 May 12 j 14:52	22°♄58'13	3°24'42
asc. node	-12160 Jun 11 j 14:56	4°♄56'03		morning rise	-12159 May 18 j 20:18	17°♄37'57	
morning max el	-12160 Jun 13 j 15:19	6°♄44'15	18°35'47	direct	-12159 May 21 j 16:38	16°♄56'14	
	-12160 Jun 29 j 13:13	0°♄		morning max el	-12159 May 28 j 04:16	20°♄21'58	18°10'02
morning set	-12160 Jul 03 j 19:06	6°♄56'38		asc. node	-12159 May 29 j 11:41	21°♄46'10	
	-12160 Jul 18 j 02:31	0°♄			-12159 Jun 04 j 10:22	0°♄	
superior conj	-12160 Jul 18 j 20:17	1°♄10'32	1°00'24	morning set	-12159 Jun 15 j 02:31	17°♄51'36	
minimum elong	-12160 Jul 19 j 02:33	1°♄35'25	1°00'07		-12159 Jun 22 j 06:36	0°♄	
max. Earth dist.	-12160 Jul 20 j 12:55	3°♄51'39	1.44531 AU	superior conj	-12159 Jun 28 j 07:20	9°♄57'22	1°32'01
				minimum elong	-12159 Jun 28 j 12:55	10°♄20'08	1°31'43

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

max. Earth dist.	-12159 Jul 03 j 03:50	17° Υ 47'45	1.43910 AU	minimum elong	-12158 Jun 08 j 21:21	20° Υ 06'01	1°47'02
	-12159 Jul 10 j 20:54	0° B			-12158 Jun 14 j 19:20	0° Υ	
evening rise	-12159 Jul 14 j 16:07	5° B 55'39		max. Earth dist.	-12158 Jun 15 j 14:06	1° Υ 17'02	1.42689 AU
desc. node	-12159 Jul 16 j 12:11	8° B 46'32		evening rise	-12158 Jun 23 j 16:26	14° Υ 15'36	
	-12159 Jul 30 j 12:30	0° II		desc. node	-12158 Jul 03 j 09:41	29° Υ 12'06	
evening max el	-12159 Aug 10 j 07:27	13° II 59'55	20°09'34		-12158 Jul 03 j 22:26	0° B	
retrograde	-12159 Aug 17 j 23:42	18° II 27'36		evening max el	-12158 Jul 24 j 06:03	27° B 24'44	21°18'22
evening set	-12159 Aug 21 j 15:14	17° II 10'40			-12158 Jul 27 j 02:26	0° II	
asc. node	-12159 Aug 25 j 12:42	13° II 12'47		retrograde	-12158 Aug 01 j 19:59	2° II 27'57	
inferior conj	-12159 Aug 27 j 02:37	11° II 09'07	0°29'46	evening set	-12158 Aug 05 j 23:44	0° II 51'18	
minimum elong	-12159 Aug 27 j 01:57	11° II 11'22	0°30'10		-12158 Aug 06 j 23:18	30° R B	
min. Earth dist.	-12159 Aug 27 j 23:56	9° II 58'15	0.66496 AU	inferior conj	-12158 Aug 11 j 07:03	24° B 42'43	-0°20'45
morning rise	-12159 Sep 01 j 12:24	4° II 48'30		minimum elong	-12158 Aug 11 j 07:28	24° B 41'16	0°20'02
direct	-12159 Sep 07 j 03:03	2° II 25'12		min. Earth dist.	-12158 Aug 11 j 17:42	24° B 06'13	0.67011 AU
morning max el	-12159 Sep 18 j 20:09	9° II 23'07	25°01'07	asc. node	-12158 Aug 12 j 09:37	23° B 12'01	
	-12159 Oct 05 j 04:54	0° B		morning rise	-12158 Aug 16 j 15:04	18° B 21'43	
desc. node	-12159 Oct 12 j 10:33	10° B 50'50		direct	-12158 Aug 21 j 15:35	16° B 15'29	
	-12159 Oct 24 j 00:23	0° Q		morning max el	-12158 Sep 01 j 06:16	22° B 38'23	23°39'03
morning set	-12159 Oct 24 j 18:04	1° Q 18'00			-12158 Sep 07 j 16:06	0° II	
max. Earth dist.	-12159 Oct 28 j 15:38	8° Q 20'38	1.37404 AU		-12158 Sep 28 j 13:46	0° B	
				desc. node	-12158 Sep 29 j 07:28	1° B 10'05	
superior conj	-12159 Nov 03 j 23:15	20° Q 21'43	-1°37'45	morning set	-12158 Oct 06 j 03:49	12° B 21'10	
minimum elong	-12159 Nov 03 j 23:00	20° Q 20'27	1°37'17	max. Earth dist.	-12158 Oct 10 j 14:11	19° B 57'14	1.39362 AU
	-12159 Nov 08 j 19:37	0° R			-12158 Oct 16 j 04:36	0° Q	
evening rise	-12159 Nov 12 j 05:08	6° R 49'31					
asc. node	-12159 Nov 21 j 11:22	24° R 06'18		superior conj	-12158 Oct 17 j 23:30	3° Q 18'39	-1°32'26
	-12159 Nov 25 j 10:24	0° B		minimum elong	-12158 Oct 17 j 21:27	3° Q 09'06	1°31'43
evening max el	-12159 Nov 29 j 10:22	4° B 33'42	19°25'38	evening rise	-12158 Oct 27 j 01:50	20° Q 44'15	
retrograde	-12159 Dec 08 j 15:11	8° B 55'10			-12158 Oct 31 j 22:38	0° R	
evening set	-12159 Dec 11 j 03:53	8° B 36'54		asc. node	-12158 Nov 08 j 08:43	12° R 15'20	
inferior conj	-12159 Dec 19 j 09:52	4° B 26'46	4°03'16	evening max el	-12158 Nov 12 j 10:10	17° R 03'40	18°39'26
minimum elong	-12159 Dec 19 j 13:09	4° B 21'20	4°02'54	retrograde	-12158 Nov 20 j 09:37	20° R 56'46	
min. Earth dist.	-12159 Dec 22 j 02:52	2° B 39'31	0.56956 AU	evening set	-12158 Nov 22 j 21:07	20° R 35'39	
	-12159 Dec 26 j 22:59	30° R R		inferior conj	-12158 Nov 30 j 14:20	16° R 06'20	4°17'09
morning rise	-12159 Dec 27 j 20:16	29° R 38'57		minimum elong	-12158 Nov 30 j 13:52	16° R 07'13	4°17'20
direct	-12158 Jan 01 j 18:14	28° R 43'40		min. Earth dist.	-12158 Dec 03 j 18:42	13° R 41'44	0.58600 AU
	-12158 Jan 07 j 12:24	0° B		morning rise	-12158 Dec 08 j 04:45	10° R 56'05	
desc. node	-12158 Jan 08 j 12:16	0° B 28'05		direct	-12158 Dec 14 j 07:36	9° R 23'44	
morning max el	-12158 Jan 15 j 16:26	5° B 45'58	24°42'04	desc. node	-12158 Dec 26 j 08:54	14° R 51'31	
	-12158 Feb 02 j 01:36	0° R		morning max el	-12158 Dec 28 j 08:29	16° R 39'01	26°06'56
morning set	-12158 Feb 10 j 11:12	16° R 28'54			-12157 Jan 08 j 08:11	0° B	
	-12158 Feb 16 j 18:14	0° B			-12157 Jan 25 j 05:17	0° R	
				morning set	-12157 Jan 25 j 23:02	1° R 32'31	
superior conj	-12158 Feb 17 j 11:04	1° B 31'11	0°00'52				
minimum elong	-12158 Feb 17 j 11:04	1° B 31'09	0°00'15	superior conj	-12157 Feb 01 j 22:18	16° R 33'51	-0°21'54
behind sun begin	-12158 Feb 17 j 05:59	1° B 03'40		minimum elong	-12157 Feb 01 j 23:11	16° R 38'43	0°22'13
behind sun end	-12158 Feb 17 j 16:08	1° B 58'37		max. Earth dist.	-12157 Feb 02 j 08:57	17° R 32'00	1.32857 AU
asc. node	-12158 Feb 17 j 08:52	1° B 19'17		asc. node	-12157 Feb 04 j 06:10	21° R 37'52	
max. Earth dist.	-12158 Feb 18 j 20:35	4° B 31'58	1.33234 AU		-12157 Feb 08 j 04:20	0° B	
evening rise	-12158 Feb 24 j 20:36	17° B 07'08		evening rise	-12157 Feb 09 j 02:02	1° B 52'47	
	-12158 Mar 03 j 12:27	0° B			-12157 Feb 24 j 13:12	0° B	
	-12158 Mar 23 j 00:24	0° B		evening max el	-12157 Mar 11 j 09:08	18° B 54'25	26°49'50
evening max el	-12158 Mar 29 j 05:00	6° B 49'09	27°23'05	desc. node	-12157 Mar 24 j 09:50	26° B 17'35	
desc. node	-12158 Apr 06 j 12:43	12° B 58'50		retrograde	-12157 Mar 25 j 11:38	26° B 20'36	
retrograde	-12158 Apr 12 j 03:45	14° B 22'46		evening set	-12157 Mar 31 j 19:41	24° B 34'02	
evening set	-12158 Apr 18 j 23:38	12° B 04'36		min. Earth dist.	-12157 Apr 04 j 22:29	21° B 43'02	0.60139 AU
min. Earth dist.	-12158 Apr 22 j 16:53	9° B 03'26	0.62100 AU	inferior conj	-12157 Apr 08 j 06:07	18° B 55'43	-3°01'52
inferior conj	-12158 Apr 25 j 17:10	6° B 09'28	-3°23'03	minimum elong	-12157 Apr 08 j 03:33	19° B 01'10	3°02'12
minimum elong	-12158 Apr 25 j 16:23	6° B 11'22	3°23'37	morning rise	-12157 Apr 15 j 13:52	14° B 11'21	
morning rise	-12158 May 02 j 10:43	1° B 05'28		direct	-12157 Apr 18 j 01:10	13° B 47'28	
direct	-12158 May 05 j 02:18	0° B 33'25		morning max el	-12157 Apr 25 j 06:21	17° B 19'24	18°13'37
morning max el	-12158 May 11 j 18:11	3° B 56'08	18°02'23	asc. node	-12157 May 03 j 05:22	28° B 07'31	
asc. node	-12158 May 16 j 08:30	9° B 34'25			-12157 May 04 j 07:57	0° B	
morning set	-12158 May 28 j 08:39	29° B 51'52		morning set	-12157 May 11 j 08:48	12° B 47'00	
	-12158 May 28 j 10:28	0° B			-12157 May 20 j 16:41	0° B	
superior conj	-12158 Jun 08 j 19:25	19° B 57'48	1°47'14	superior conj	-12157 May 21 j 09:55	1° B 17'23	1°47'55

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-12157 May 21 j 08:42	1° H 11'55	1°47'32	superior conj	-12156 May 02 j 22:16	13° A 44'23	1°38'06
max. Earth dist.	-12157 May 28 j 19:09	14° H 09'35	1.41033 AU	minimum elong	-12156 May 02 j 19:29	13° A 31'19	1°37'23
evening rise	-12157 Jun 03 j 07:42	23° H 19'40		max. Earth dist.	-12156 May 09 j 20:06	26° A 21'55	1.39170 AU
	-12157 Jun 07 j 11:35	0° Y			-12156 May 11 j 21:48	0° H	
desc. node	-12157 Jun 20 j 07:11	19° Y 24'05		evening rise	-12156 May 14 j 01:39	3° H 43'09	
	-12157 Jun 27 j 21:56	0° B			-12156 May 30 j 15:54	0° Y	
evening max el	-12157 Jul 06 j 22:00	10° B 46'03	22°36'53	desc. node	-12156 Jun 06 j 04:40	9° Y 16'04	
retrograde	-12157 Jul 16 j 14:17	16° B 30'29		evening max el	-12156 Jun 18 j 09:08	24° Y 05'24	23°59'18
evening set	-12157 Jul 21 j 07:54	14° B 32'28			-12156 Jun 26 j 11:24	0° B	
inferior conj	-12157 Jul 26 j 13:11	8° B 19'20	-1°08'09	retrograde	-12156 Jun 29 j 05:28	0° B 31'20	
minimum elong	-12157 Jul 26 j 14:32	8° B 14'40	1°07'14		-12156 Jul 01 j 19:30	30° R Y	
min. Earth dist.	-12157 Jul 26 j 13:15	8° B 19'06	0.67233 AU	evening set	-12156 Jul 04 j 13:50	28° Y 12'30	
asc. node	-12157 Jul 30 j 06:28	3° B 33'43		inferior conj	-12156 Jul 09 j 19:17	21° Y 56'57	-1°51'03
morning rise	-12157 Jul 31 j 21:05	2° B 01'46		minimum elong	-12156 Jul 09 j 21:16	21° Y 50'10	1°50'10
direct	-12157 Aug 05 j 08:21	0° B 13'53		min. Earth dist.	-12156 Jul 09 j 08:15	22° Y 34'38	0.67146 AU
morning max el	-12157 Aug 14 j 19:07	5° B 54'43	22°15'32	morning rise	-12156 Jul 15 j 04:39	15° Y 46'17	
	-12157 Sep 02 j 02:01	0° II		asc. node	-12156 Jul 16 j 03:16	15° Y 08'23	
morning set	-12157 Sep 16 j 11:11	22° II 07'34		direct	-12156 Jul 19 j 04:11	14° Y 16'11	
desc. node	-12157 Sep 16 j 04:30	21° II 40'45		morning max el	-12156 Jul 27 j 13:14	19° Y 15'00	20°57'40
	-12157 Sep 21 j 06:58	0° B			-12156 Aug 05 j 04:45	0° B	
max. Earth dist.	-12157 Sep 22 j 15:42	2° B 16'30	1.41304 AU		-12156 Aug 25 j 07:04	0° II	
				morning set	-12156 Aug 25 j 20:37	0° II 52'48	
superior conj	-12157 Sep 30 j 04:57	15° B 16'47	-1°16'41	desc. node	-12156 Sep 02 j 01:36	12° II 17'57	
minimum elong	-12157 Sep 30 j 01:13	15° B 00'15	1°15'39	max. Earth dist.	-12156 Sep 03 j 23:12	15° II 22'13	1.42952 AU
	-12157 Oct 08 j 07:26	0° Q					
evening rise	-12157 Oct 10 j 12:33	4° Q 06'34		superior conj	-12156 Sep 10 j 09:40	26° II 00'00	-0°48'38
asc. node	-12157 Oct 26 j 05:58	29° Q 29'49		minimum elong	-12156 Sep 10 j 05:44	25° II 43'26	0°47'28
evening max el	-12157 Oct 26 j 17:32	29° Q 59'13	18°13'28		-12156 Sep 12 j 18:25	0° B	
	-12157 Oct 26 j 17:51	0° H		evening rise	-12156 Sep 22 j 09:09	16° B 45'45	
retrograde	-12157 Nov 02 j 21:25	3° H 36'44			-12156 Sep 29 j 22:40	0° Q	
evening set	-12157 Nov 05 j 09:05	3° H 11'20		evening max el	-12156 Oct 09 j 05:31	13° Q 12'09	18°07'13
	-12157 Nov 10 j 14:56	30° R Q		asc. node	-12156 Oct 12 j 03:11	15° Q 34'02	
inferior conj	-12157 Nov 12 j 13:46	28° Q 20'07	4°01'38	retrograde	-12156 Oct 15 j 22:57	16° Q 44'44	
minimum elong	-12157 Nov 12 j 10:46	28° Q 26'40	4°01'38	evening set	-12156 Oct 18 j 12:37	16° Q 13'18	
min. Earth dist.	-12157 Nov 15 j 16:06	25° Q 37'50	0.60443 AU	inferior conj	-12156 Oct 25 j 05:37	11° Q 01'33	3°27'19
morning rise	-12157 Nov 19 j 11:03	22° Q 50'03		minimum elong	-12156 Oct 25 j 01:47	11° Q 11'06	3°27'01
direct	-12157 Nov 26 j 07:07	20° Q 42'51		min. Earth dist.	-12156 Oct 27 j 22:24	8° Q 20'32	0.62224 AU
morning max el	-12157 Dec 10 j 06:21	28° Q 05'35	27°06'37	morning rise	-12156 Oct 31 j 13:52	5° Q 14'13	
	-12157 Dec 12 j 03:53	0° H		direct	-12156 Nov 07 j 15:16	2° Q 42'33	
desc. node	-12157 Dec 13 j 05:33	1° H 08'53		morning max el	-12156 Nov 21 j 10:38	10° Q 11'58	27°33'08
	-12156 Jan 01 j 21:13	0° A		desc. node	-12156 Nov 29 j 02:10	18° Q 48'45	
morning set	-12156 Jan 10 j 08:17	16° A 27'33			-12156 Dec 07 j 01:49	0° H	
	-12156 Jan 16 j 16:16	0° M			-12156 Dec 23 j 23:44	0° A	
				morning set	-12156 Dec 24 j 12:51	1° A 06'26	
superior conj	-12156 Jan 17 j 10:11	1° M 37'44	-0°43'10	max. Earth dist.	-12156 Dec 30 j 09:10	13° A 23'05	1.33094 AU
minimum elong	-12156 Jan 17 j 11:46	1° M 46'24	0°43'15				
max. Earth dist.	-12156 Jan 16 j 22:25	0° M 33'34	1.32807 AU	superior conj	-12156 Dec 31 j 21:04	16° A 36'59	-1°02'14
asc. node	-12156 Jan 22 j 03:28	11° M 53'08		minimum elong	-12156 Dec 31 j 23:04	16° A 47'46	1°02'07
evening rise	-12156 Jan 24 j 11:09	16° M 48'15			-12155 Jan 07 j 01:52	0° M	
	-12156 Jan 31 j 02:36	0° A		evening rise	-12155 Jan 07 j 22:06	1° M 46'48	
	-12156 Feb 20 j 22:23	0° B		asc. node	-12155 Jan 08 j 00:47	2° M 00'52	
evening max el	-12156 Feb 21 j 07:35	0° B 22'09	25°46'23		-12155 Jan 23 j 14:25	0° A	
retrograde	-12156 Mar 06 j 09:32	7° B 35'25		evening max el	-12155 Feb 02 j 01:30	11° A 21'41	24°21'22
desc. node	-12156 Mar 10 j 06:52	6° B 58'41		retrograde	-12155 Feb 15 j 19:58	18° A 12'45	
evening set	-12156 Mar 11 j 20:50	6° B 23'20		evening set	-12155 Feb 20 j 05:27	17° A 29'23	
min. Earth dist.	-12156 Mar 16 j 20:55	3° B 28'40	0.58205 AU	desc. node	-12155 Feb 25 j 03:48	15° A 11'26	
inferior conj	-12156 Mar 20 j 01:19	1° B 10'00	-2°14'39	min. Earth dist.	-12155 Feb 26 j 14:52	14° A 18'29	0.56599 AU
minimum elong	-12156 Mar 19 j 21:47	1° B 16'27	2°14'33	inferior conj	-12155 Mar 01 j 00:47	12° A 46'30	-0°57'52
	-12156 Mar 21 j 16:22	30° R A		minimum elong	-12155 Feb 28 j 22:36	12° A 49'59	0°57'53
morning rise	-12156 Mar 28 j 01:54	26° A 45'12		morning rise	-12155 Mar 09 j 18:48	8° A 37'39	
direct	-12156 Mar 30 j 08:56	26° A 28'00		direct	-12155 Mar 11 j 22:39	8° A 24'53	
	-12156 Apr 07 j 03:56	0° B		morning max el	-12155 Mar 21 j 13:46	12° A 57'59	19°34'41
morning max el	-12156 Apr 07 j 13:51	0° B 22'59	18°44'17		-12155 Apr 02 j 09:34	0° B	
asc. node	-12156 Apr 19 j 02:16	17° B 14'46		asc. node	-12155 Apr 05 j 23:13	6° B 48'08	
morning set	-12156 Apr 23 j 22:21	26° B 25'21		morning set	-12155 Apr 07 j 21:33	10° B 37'29	
	-12156 Apr 25 j 18:34	0° A					
				superior conj	-12155 Apr 16 j 03:03	27° B 04'27	1°21'29

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-12155 Apr 16 j 00:01	26° Z 49'32	1°20'29	asc. node	-12154 Mar 23 j 20:14	26° Z 40'13	
	-12155 Apr 17 j 15:00	0° \approx			-12154 Mar 25 j 11:00	0° Z	
max. Earth dist.	-12155 Apr 21 j 21:18	8° \approx 06'49	1.37347 AU				
evening rise	-12155 Apr 25 j 21:49	15° \approx 27'28		superior conj	-12154 Mar 30 j 19:39	11° Z 03'06	1°00'47
	-12155 May 04 j 10:03	0° X		minimum elong	-12154 Mar 30 j 17:08	10° Z 50'17	0°59'40
desc. node	-12155 May 24 j 02:08	28° X 40'12		max. Earth dist.	-12154 Apr 04 j 05:02	19° Z 50'50	1.35763 AU
	-12155 May 25 j 03:45	0° Y		evening rise	-12154 Apr 08 j 14:40	28° Z 16'42	
evening max el	-12155 May 31 j 18:36	7° Y 26'27	25°17'54		-12154 Apr 09 j 12:54	0° \approx	
retrograde	-12155 Jun 12 j 16:51	14° Y 26'55			-12154 Apr 27 j 16:00	0° X	
evening set	-12155 Jun 18 j 15:34	11° Y 51'01		desc. node	-12154 May 10 j 23:35	17° X 24'14	
min. Earth dist.	-12155 Jun 23 j 00:27	6° Y 51'22	0.66720 AU	evening max el	-12154 May 14 j 04:45	20° X 47'43	26°24'11
inferior conj	-12155 Jun 23 j 23:34	5° Y 35'09	-2°28'08	retrograde	-12154 May 26 j 23:39	28° X 10'29	
minimum elong	-12155 Jun 24 j 01:51	5° Y 27'37	2°27'28	evening set	-12154 Jun 02 j 10:51	25° X 24'50	
	-12155 Jun 28 j 22:24	30° R X		min. Earth dist.	-12154 Jun 06 j 11:37	21° X 04'21	0.65918 AU
morning rise	-12155 Jun 29 j 12:09	29° X 34'24		inferior conj	-12154 Jun 08 j 00:05	19° X 10'57	-2°57'49
direct	-12155 Jul 03 j 01:49	28° X 20'23		minimum elong	-12154 Jun 08 j 02:13	19° X 04'17	2°57'33
asc. node	-12155 Jul 03 j 00:02	28° X 20'25		morning rise	-12154 Jun 13 j 17:46	13° X 22'54	
	-12155 Jul 07 j 12:00	0° Y		direct	-12154 Jun 16 j 23:29	12° X 22'52	
morning max el	-12155 Jul 10 j 13:52	2° Y 42'16	19°50'45	asc. node	-12154 Jun 19 j 20:48	13° X 08'00	
	-12155 Jul 29 j 23:02	0° Z		morning max el	-12154 Jun 23 j 20:32	16° X 15'33	18°58'21
morning set	-12155 Aug 05 j 00:04	9° Z 23'19			-12154 Jul 04 j 00:32	0° Y	
max. Earth dist.	-12155 Aug 17 j 11:55	29° Z 03'15	1.44087 AU	morning set	-12154 Jul 15 j 16:58	18° Y 31'43	
	-12155 Aug 18 j 02:09	0° II			-12154 Jul 22 j 21:46	0° Z	
desc. node	-12155 Aug 19 j 22:47	2° II 58'34		max. Earth dist.	-12154 Jul 31 j 03:48	13° Z 04'08	1.44571 AU
superior conj	-12155 Aug 21 j 10:42	5° II 22'59	-0°08'57	superior conj	-12154 Jul 31 j 14:40	13° Z 47'11	0°36'16
minimum elong	-12155 Aug 21 j 09:47	5° II 19'15	0°08'11	minimum elong	-12154 Jul 31 j 18:58	14° Z 04'10	0°36'16
behind sun begin	-12155 Aug 21 j 00:20	4° II 41'11		desc. node	-12154 Aug 06 j 20:06	23° Z 39'37	
behind sun end	-12155 Aug 21 j 19:14	5° II 57'23			-12154 Aug 10 j 19:30	0° II	
evening rise	-12155 Sep 04 j 10:29	28° II 29'33		evening rise	-12154 Aug 16 j 10:56	9° II 03'51	
	-12155 Sep 05 j 07:55	0° Z			-12154 Aug 29 j 15:04	0° Z	
evening max el	-12155 Sep 22 j 19:12	26° Z 36'06	18°19'39	evening max el	-12154 Sep 06 j 07:44	10° Z 05'55	18°49'40
	-12155 Sep 27 j 20:47	0° Z		retrograde	-12154 Sep 13 j 02:54	13° Z 55'02	
retrograde	-12155 Sep 29 j 09:59	0° Z 12'46		asc. node	-12154 Sep 15 j 21:24	13° Z 11'32	
asc. node	-12155 Sep 29 j 00:20	0° Z 11'54		evening set	-12154 Sep 16 j 03:29	13° Z 03'17	
	-12155 Sep 30 j 23:05	30° R Z		inferior conj	-12154 Sep 22 j 01:13	7° Z 19'07	1°51'54
evening set	-12155 Oct 02 j 03:55	29° Z 32'45		minimum elong	-12154 Sep 21 j 22:40	7° Z 26'49	1°51'44
inferior conj	-12155 Oct 08 j 10:30	24° Z 03'16	2°42'16	min. Earth dist.	-12154 Sep 23 j 16:56	5° Z 18'58	0.65084 AU
minimum elong	-12155 Oct 08 j 07:00	24° Z 12'59	2°41'54	morning rise	-12154 Sep 27 j 17:19	1° Z 07'23	
min. Earth dist.	-12155 Oct 10 j 14:55	21° Z 37'58	0.63794 AU		-12154 Sep 29 j 05:34	30° R II	
morning rise	-12155 Oct 14 j 09:18	18° Z 01'54		direct	-12154 Oct 04 j 05:20	28° II 25'27	
direct	-12155 Oct 21 j 06:58	15° Z 18'56			-12154 Oct 09 j 17:06	0° Z	
morning max el	-12155 Nov 03 j 19:11	22° Z 51'44	27°25'07	morning max el	-12154 Oct 17 j 05:19	5° Z 53'30	26°46'34
	-12155 Nov 10 j 06:09	0° Z		desc. node	-12154 Nov 02 j 19:29	26° Z 47'40	
desc. node	-12155 Nov 15 j 22:48	7° Z 27'19			-12154 Nov 04 j 22:47	0° Z	
	-12155 Nov 30 j 05:27	0° II		morning set	-12154 Nov 21 j 20:48	28° Z 57'09	
morning set	-12155 Dec 08 j 10:07	15° II 19'52			-12154 Nov 22 j 09:56	0° II	
max. Earth dist.	-12155 Dec 13 j 13:22	25° II 47'45	1.33763 AU	max. Earth dist.	-12154 Nov 26 j 07:51	7° II 40'53	1.34857 AU
	-12155 Dec 15 j 13:14	0° Z		superior conj	-12154 Nov 30 j 08:23	15° II 53'59	-1°30'17
superior conj	-12155 Dec 16 j 05:10	1° Z 24'44	-1°18'16	minimum elong	-12154 Nov 30 j 09:57	16° II 02'09	1°29'59
minimum elong	-12155 Dec 16 j 07:11	1° Z 35'29	1°18'03		-12154 Dec 07 j 01:55	0° Z	
evening rise	-12155 Dec 23 j 09:14	16° Z 41'56		evening rise	-12154 Dec 07 j 18:53	1° Z 28'03	
asc. node	-12155 Dec 25 j 22:08	21° Z 55'44		asc. node	-12154 Dec 12 j 19:31	11° Z 31'47	
	-12155 Dec 30 j 01:56	0° III			-12154 Dec 24 j 13:53	0° III	
evening max el	-12154 Jan 14 j 19:12	22° III 13'39	22°47'30	evening max el	-12154 Dec 27 j 18:12	3° III 21'23	21°17'39
retrograde	-12154 Jan 27 j 18:22	28° III 28'15		retrograde	-12153 Jan 08 j 08:54	8° III 49'18	
evening set	-12154 Jan 31 j 04:45	28° III 02'28		evening set	-12153 Jan 11 j 05:29	8° III 30'37	
min. Earth dist.	-12154 Feb 08 j 06:32	24° III 23'06	0.55635 AU	inferior conj	-12153 Jan 20 j 04:26	4° III 31'00	2°23'06
inferior conj	-12154 Feb 09 j 06:49	23° III 47'47	0°42'06	minimum elong	-12153 Jan 20 j 09:47	4° III 23'18	2°21'14
minimum elong	-12154 Feb 09 j 08:35	23° III 45'13	0°40'57	min. Earth dist.	-12153 Jan 20 j 20:42	4° III 07'38	0.55512 AU
desc. node	-12154 Feb 12 j 00:40	22° III 14'38		morning rise	-12153 Jan 29 j 13:20	0° III 18'20	
morning rise	-12154 Feb 18 j 13:50	19° III 44'24		desc. node	-12153 Jan 29 j 21:26	0° III 14'15	
direct	-12154 Feb 20 j 20:21	19° III 32'06			-12153 Jan 31 j 22:08	30° R Z	
morning max el	-12154 Mar 04 j 03:22	24° III 54'56	20°44'23	direct	-12153 Feb 01 j 11:36	29° Z 59'17	
	-12154 Mar 08 j 15:42	0° Z			-12153 Feb 02 j 01:01	0° III	
morning set	-12154 Mar 23 j 03:20	25° Z 13'40		morning max el	-12153 Feb 14 j 05:32	6° III 11'24	22°10'48

	-12153 Mar 02 j 12:10	0°♌			-12152 Feb 06 j 09:24	0°♍		
morning set	-12153 Mar 07 j 13:18	10°♌06'38		morning set	-12152 Feb 20 j 01:27	25°♍09'12		
asc. node	-12153 Mar 10 j 17:20	16°♌45'45			-12152 Feb 22 j 08:23	0°♌		
				asc. node	-12152 Feb 25 j 14:31	6°♌59'48		
superior conj	-12153 Mar 14 j 20:33	25°♌29'57	0°37'57					
minimum elong	-12153 Mar 14 j 18:56	25°♌21'30	0°36'56	superior conj	-12152 Feb 27 j 03:05	10°♌16'23	0°14'22	
	-12153 Mar 17 j 00:21	0°♌		minimum elong	-12152 Feb 27 j 02:30	10°♌13'13	0°13'36	
max. Earth dist.	-12153 Mar 17 j 23:06	1°♌57'07	1.34513 AU	behind sun begin	-12152 Feb 26 j 23:51	9°♌59'04		
evening rise	-12153 Mar 22 j 22:43	11°♌54'30		behind sun end	-12152 Feb 27 j 05:08	10°♌27'23		
	-12153 Apr 01 j 21:43	0°♍		max. Earth dist.	-12152 Feb 29 j 02:43	14°♌30'36	1.33605 AU	
	-12153 Apr 22 j 20:20	0°♍		evening rise	-12152 Mar 05 j 17:32	26°♌06'54		
evening max el	-12153 Apr 26 j 15:44	4°♍02'04	27°09'37		-12152 Mar 07 j 16:45	0°♌		
desc. node	-12153 Apr 27 j 20:58	5°♍11'37			-12152 Mar 25 j 07:46	0°♍		
retrograde	-12153 May 10 j 01:05	11°♍34'50		evening max el	-12152 Apr 08 j 01:50	16°♍57'57	27°27'17	
evening set	-12153 May 16 j 20:59	8°♍49'55		desc. node	-12152 Apr 13 j 18:16	21°♍39'36		
min. Earth dist.	-12153 May 20 j 15:40	5°♍06'22	0.64724 AU	retrograde	-12152 Apr 21 j 20:29	24°♍32'21		
inferior conj	-12153 May 22 j 18:32	2°♍40'38	-3°18'02	evening set	-12152 Apr 28 j 18:55	22°♍00'41		
minimum elong	-12153 May 22 j 19:59	2°♍36'27	3°18'15	min. Earth dist.	-12152 May 02 j 10:59	18°♍47'27	0.63153 AU	
	-12153 May 25 j 05:03	30°♍		inferior conj	-12152 May 05 j 04:11	15°♍59'21	-3°25'50	
morning rise	-12153 May 28 j 19:27	27°♍07'58		minimum elong	-12152 May 05 j 04:22	15°♍58'53	3°26'22	
direct	-12153 May 31 j 18:54	26°♍19'56		morning rise	-12152 May 11 j 14:52	10°♍44'26		
asc. node	-12153 Jun 06 j 17:34	29°♍17'58		direct	-12152 May 14 j 09:14	10°♍06'50		
	-12153 Jun 07 j 10:42	0°♍		morning max el	-12152 May 20 j 21:26	13°♍29'34	18°04'29	
morning max el	-12153 Jun 07 j 07:45	29°♍52'29	18°22'32	asc. node	-12152 May 23 j 14:22	16°♍34'46		
morning set	-12153 Jun 26 j 09:58	28°♍46'48			-12152 Jun 01 j 06:37	0°♍		
	-12153 Jun 27 j 03:35	0°♍		morning set	-12152 Jun 07 j 03:41	10°♍11'30		
					-12152 Jun 18 j 17:40	0°♍		
superior conj	-12153 Jul 10 j 16:49	22°♍07'28	1°15'44					
minimum elong	-12153 Jul 10 j 23:25	22°♍33'53	1°15'23	superior conj	-12152 Jun 19 j 13:41	1°♍23'09	1°40'29	
max. Earth dist.	-12153 Jul 13 j 20:11	27°♍08'04	1.44352 AU	minimum elong	-12152 Jun 19 j 17:50	1°♍40'22	1°40'15	
	-12153 Jul 15 j 15:32	0°♍		max. Earth dist.	-12152 Jun 25 j 10:06	10°♍57'28	1.43462 AU	
desc. node	-12153 Jul 24 j 17:31	14°♍17'36		evening rise	-12152 Jul 05 j 10:15	26°♍47'54		
evening rise	-12153 Jul 27 j 08:04	18°♍22'16			-12152 Jul 07 j 11:48	0°♍		
	-12153 Aug 03 j 19:19	0°♍		desc. node	-12152 Jul 10 j 15:01	4°♍49'11		
greatest brilliancy	-12153 Aug 07 j 06:54	5°♍21'20	-0.7m		-12152 Jul 27 j 20:54	0°♍		
evening max el	-12153 Aug 20 j 16:25	23°♍36'16	19°36'06	evening max el	-12152 Aug 02 j 19:03	7°♍03'46	20°37'19	
retrograde	-12153 Aug 27 j 22:51	27°♍46'51		retrograde	-12152 Aug 10 j 19:36	11°♍45'15		
evening set	-12153 Aug 31 j 08:23	26°♍39'54		evening set	-12152 Aug 14 j 16:12	10°♍20'00		
asc. node	-12153 Sep 02 j 18:26	24°♍34'31		asc. node	-12152 Aug 19 j 15:23	4°♍49'31		
inferior conj	-12153 Sep 05 j 23:01	20°♍43'54	0°59'41	inferior conj	-12152 Aug 20 j 01:36	4°♍15'02	0°08'02	
minimum elong	-12153 Sep 05 j 21:39	20°♍48'19	0°59'52	minimum elong	-12152 Aug 20 j 01:25	4°♍15'41	0°08'35	
min. Earth dist.	-12153 Sep 07 j 02:44	19°♍14'20	0.66071 AU	transit middle	-12152 Aug 20 j 01:25	4°♍15'41	0°08'35	
morning rise	-12153 Sep 11 j 10:35	14°♍25'40		transit begin	-12152 Aug 19 j 23:05	4°♍23'33		
direct	-12153 Sep 17 j 09:30	11°♍53'54		transit end	-12152 Aug 20 j 03:45	4°♍07'49		
morning max el	-12153 Sep 29 j 15:21	19°♍05'41	25°44'20	min. Earth dist.	-12152 Aug 20 j 18:15	3°♍18'52	0.66755 AU	
	-12153 Oct 08 j 23:47	0°♍			-12152 Aug 23 j 08:48	30°♍		
desc. node	-12153 Oct 20 j 16:14	16°♍37'08		morning rise	-12152 Aug 25 j 10:28	27°♍54'00		
	-12153 Oct 28 j 23:46	0°♍		direct	-12152 Aug 30 j 19:02	25°♍37'56		
morning set	-12153 Nov 04 j 16:29	11°♍44'45			-12152 Sep 08 j 13:18	0°♍		
max. Earth dist.	-12153 Nov 08 j 15:45	19°♍08'25	1.36376 AU	morning max el	-12152 Sep 11 j 01:12	2°♍21'31	24°26'56	
					-12152 Oct 02 j 03:13	0°♍		
superior conj	-12153 Nov 14 j 03:59	29°♍55'19	-1°37'00	desc. node	-12152 Oct 06 j 13:07	6°♍47'29		
minimum elong	-12153 Nov 14 j 04:33	29°♍58'12	1°36'35	morning set	-12152 Oct 16 j 16:05	23°♍29'20		
	-12153 Nov 14 j 04:55	0°♍			-12152 Oct 20 j 08:40	0°♍		
evening rise	-12153 Nov 22 j 01:13	15°♍58'42		max. Earth dist.	-12152 Oct 20 j 16:19	0°♍34'26	1.38228 AU	
	-12153 Nov 29 j 07:34	0°♍						
asc. node	-12153 Nov 29 j 16:53	0°♍41'09		superior conj	-12152 Oct 27 j 12:31	13°♍18'50	-1°36'39	
evening max el	-12153 Dec 10 j 02:11	14°♍58'22	20°01'14	minimum elong	-12152 Oct 27 j 11:32	13°♍14'08	1°36'04	
retrograde	-12153 Dec 20 j 03:02	19°♍41'24		evening rise	-12152 Nov 05 j 02:10	0°♍08'22		
evening set	-12153 Dec 22 j 17:41	19°♍23'42			-12152 Nov 05 j 00:28	0°♍		
inferior conj	-12153 Dec 31 j 06:39	15°♍21'05	3°38'00	asc. node	-12152 Nov 15 j 14:13	19°♍15'02		
minimum elong	-12153 Dec 31 j 11:44	15°♍13'13	3°36'57	evening max el	-12152 Nov 21 j 20:23	27°♍09'05	19°03'24	
min. Earth dist.	-12152 Jan 02 j 09:46	14°♍02'22	0.56230 AU		-12152 Nov 25 j 15:40	0°♍		
morning rise	-12152 Jan 09 j 03:55	10°♍47'42		retrograde	-12152 Nov 30 j 11:36	1°♍17'14		
direct	-12152 Jan 13 j 07:06	10°♍09'50		evening set	-12152 Dec 02 j 23:36	0°♍57'54		
desc. node	-12152 Jan 16 j 18:07	10°♍37'08			-12152 Dec 05 j 14:34	30°♍		
morning max el	-12152 Jan 26 j 22:47	16°♍57'51	23°47'08	inferior conj	-12152 Dec 11 j 00:07	26°♍39'50	4°13'31	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-12152 Dec 11 j 01:46	26° \mathbb{M} 36'55	4°13'29	evening set	-12151 Nov 15 j 01:03	13° \mathbb{M} 13'18	
min. Earth dist.	-12152 Dec 13 j 23:41	24° \mathbb{M} 34'46	0.57611 AU	inferior conj	-12151 Nov 22 j 12:51	8° \mathbb{M} 34'45	4°13'32
morning rise	-12152 Dec 19 j 01:55	21° \mathbb{M} 42'10		minimum elong	-12151 Nov 22 j 11:06	8° \mathbb{M} 38'18	4°13'42
direct	-12152 Dec 24 j 13:06	20° \mathbb{M} 31'59		min. Earth dist.	-12151 Nov 25 j 17:40	5° \mathbb{M} 59'54	0.59369 AU
desc. node	-12151 Jan 02 j 14:45	23° \mathbb{M} 39'08		morning rise	-12151 Nov 29 j 19:25	3° \mathbb{M} 15'21	
morning max el	-12151 Jan 07 j 13:30	27° \mathbb{M} 40'30	25°20'39	direct	-12151 Dec 06 j 06:56	1° \mathbb{M} 27'17	
	-12151 Jan 09 j 20:24	0° \mathbb{L}		desc. node	-12151 Dec 20 j 11:23	8° \mathbb{M} 55'13	
	-12151 Jan 29 j 12:28	0° \mathbb{M}		morning max el	-12151 Dec 20 j 07:55	8° \mathbb{M} 46'53	26°36'10
morning set	-12151 Feb 03 j 13:53	10° \mathbb{M} 14'15			-12150 Jan 05 j 12:24	0° \mathbb{L}	
				morning set	-12150 Jan 19 j 00:52	25° \mathbb{L} 15'23	
					-12150 Jan 21 j 06:43	0° \mathbb{M}	
superior conj	-12151 Feb 10 j 13:06	25° \mathbb{M} 14'44	-0°08'57	superior conj	-12150 Jan 26 j 00:48	10° \mathbb{M} 18'55	-0°31'09
minimum elong	-12151 Feb 10 j 13:29	25° \mathbb{M} 16'51	0°09'26	minimum elong	-12150 Jan 26 j 02:01	10° \mathbb{M} 25'34	0°31'22
behind sun begin	-12151 Feb 10 j 09:25	24° \mathbb{M} 54'44		max. Earth dist.	-12150 Jan 26 j 02:04	10° \mathbb{M} 25'49	1.32785 AU
behind sun end	-12151 Feb 10 j 17:33	25° \mathbb{M} 38'58		asc. node	-12150 Jan 29 j 09:00	17° \mathbb{M} 35'23	
asc. node	-12151 Feb 11 j 11:45	27° \mathbb{M} 17'41		evening rise	-12150 Feb 02 j 03:00	25° \mathbb{M} 33'11	
max. Earth dist.	-12151 Feb 11 j 12:54	27° \mathbb{M} 23'55	1.33030 AU		-12150 Feb 04 j 07:05	0° \mathbb{L}	
	-12151 Feb 12 j 17:47	0° \mathbb{L}			-12150 Feb 21 j 21:37	0° \mathbb{L}	
evening rise	-12151 Feb 17 j 19:47	10° \mathbb{L} 42'32		evening max el	-12150 Mar 03 j 10:02	11° \mathbb{L} 11'28	26°26'12
	-12151 Feb 28 j 00:06	0° \mathbb{L}		retrograde	-12150 Mar 17 j 13:12	18° \mathbb{L} 34'02	
evening max el	-12151 Mar 21 j 08:31	29° \mathbb{L} 23'00	27°12'54	desc. node	-12150 Mar 18 j 12:30	18° \mathbb{L} 31'38	
	-12151 Mar 22 j 00:05	0° \mathbb{M}		evening set	-12150 Mar 23 j 13:22	17° \mathbb{L} 02'04	
desc. node	-12151 Mar 31 j 15:27	6° \mathbb{M} 17'17		min. Earth dist.	-12150 Mar 27 j 23:27	14° \mathbb{L} 11'11	0.59291 AU
retrograde	-12151 Apr 04 j 08:59	6° \mathbb{M} 54'07		inferior conj	-12150 Mar 31 j 07:28	11° \mathbb{L} 33'03	-2°45'25
evening set	-12151 Apr 11 j 01:16	4° \mathbb{M} 48'05		minimum elong	-12150 Mar 31 j 04:18	11° \mathbb{L} 39'21	2°45'32
min. Earth dist.	-12151 Apr 14 j 21:09	1° \mathbb{M} 53'26	0.61281 AU	morning rise	-12150 Apr 07 j 22:10	6° \mathbb{L} 57'29	
	-12151 Apr 16 j 23:23	30° \mathbb{L}		direct	-12150 Apr 10 j 07:29	6° \mathbb{L} 36'48	
inferior conj	-12151 Apr 18 j 01:42	28° \mathbb{L} 59'27	-3°16'53	morning max el	-12150 Apr 17 j 21:37	10° \mathbb{L} 16'48	18°24'17
minimum elong	-12151 Apr 18 j 00:08	29° \mathbb{L} 03'01	3°17'24	asc. node	-12150 Apr 27 j 08:05	23° \mathbb{L} 32'15	
morning rise	-12151 Apr 25 j 00:57	24° \mathbb{L} 04'00			-12150 Apr 30 j 21:51	0° \mathbb{M}	
direct	-12151 Apr 27 j 14:46	23° \mathbb{L} 35'33		morning set	-12150 May 04 j 00:25	5° \mathbb{M} 51'04	
morning max el	-12151 May 04 j 10:59	27° \mathbb{L} 00'14	18°04'52				
	-12151 May 07 j 03:00	0° \mathbb{M}		superior conj	-12150 May 13 j 13:56	23° \mathbb{M} 48'52	1°44'49
asc. node	-12151 May 10 j 11:11	4° \mathbb{M} 43'22		minimum elong	-12150 May 13 j 11:51	23° \mathbb{M} 39'22	1°44'17
morning set	-12151 May 20 j 18:03	22° \mathbb{M} 36'22			-12150 May 17 j 00:09	0° \mathbb{L}	
	-12151 May 24 j 19:37	0° \mathbb{L}		max. Earth dist.	-12150 May 20 j 20:47	6° \mathbb{L} 45'52	1.40251 AU
superior conj	-12151 May 31 j 13:24	11° \mathbb{L} 58'24	1°49'05	evening rise	-12150 May 25 j 16:32	14° \mathbb{L} 55'05	
minimum elong	-12151 May 31 j 13:49	12° \mathbb{L} 00'12	1°48'50		-12150 Jun 04 j 03:01	0° \mathbb{Y}	
max. Earth dist.	-12151 Jun 07 j 18:26	24° \mathbb{L} 13'13	1.42026 AU	desc. node	-12150 Jun 14 j 10:01	15° \mathbb{Y} 13'57	
	-12151 Jun 11 j 07:01	0° \mathbb{Y}			-12150 Jun 25 j 17:08	0° \mathbb{L}	
evening rise	-12151 Jun 14 j 14:28	5° \mathbb{Y} 19'06		evening max el	-12150 Jun 29 j 04:00	3° \mathbb{L} 45'43	23°11'48
desc. node	-12151 Jun 27 j 12:32	25° \mathbb{Y} 09'39		retrograde	-12150 Jul 09 j 08:32	9° \mathbb{L} 48'49	
	-12151 Jun 30 j 19:48	0° \mathbb{L}		evening set	-12150 Jul 14 j 08:15	7° \mathbb{L} 41'52	
evening max el	-12151 Jul 16 j 14:33	20° \mathbb{L} 26'04	21°50'45	inferior conj	-12150 Jul 19 j 13:19	1° \mathbb{L} 27'13	-1°27'00
retrograde	-12151 Jul 25 j 15:18	25° \mathbb{L} 46'45		minimum elong	-12150 Jul 19 j 14:59	1° \mathbb{L} 21'30	1°26'04
evening set	-12151 Jul 30 j 00:48	24° \mathbb{L} 00'56		min. Earth dist.	-12150 Jul 19 j 08:47	1° \mathbb{L} 42'53	0.67236 AU
inferior conj	-12151 Aug 04 j 06:58	17° \mathbb{L} 49'49	-0°41'21		-12150 Jul 20 j 14:46	30° \mathbb{L}	
minimum elong	-12151 Aug 04 j 07:49	17° \mathbb{L} 46'55	0°40'31	asc. node	-12150 Jul 24 j 09:07	25° \mathbb{Y} 38'14	
min. Earth dist.	-12151 Aug 04 j 13:04	17° \mathbb{L} 28'48	0.67144 AU	morning rise	-12150 Jul 24 j 21:38	25° \mathbb{Y} 11'54	
asc. node	-12151 Aug 06 j 12:16	14° \mathbb{L} 50'23		direct	-12150 Jul 29 j 03:38	23° \mathbb{Y} 31'46	
morning rise	-12151 Aug 09 j 14:45	11° \mathbb{L} 29'49		morning max el	-12150 Aug 07 j 03:09	28° \mathbb{Y} 54'54	21°41'12
direct	-12151 Aug 14 j 09:21	9° \mathbb{L} 31'37			-12150 Aug 08 j 03:43	0° \mathbb{L}	
morning max el	-12151 Aug 24 j 12:19	15° \mathbb{L} 37'23	23°03'12		-12150 Aug 29 j 21:57	0° \mathbb{L}	
	-12151 Sep 05 j 04:15	0° \mathbb{L}		morning set	-12150 Sep 07 j 11:29	13° \mathbb{L} 16'05	
desc. node	-12151 Sep 23 j 10:06	27° \mathbb{L} 12'05		desc. node	-12150 Sep 10 j 07:08	17° \mathbb{L} 45'48	
	-12151 Sep 25 j 03:56	0° \mathbb{L}		max. Earth dist.	-12150 Sep 14 j 18:46	25° \mathbb{L} 03'56	1.42052 AU
morning set	-12151 Sep 27 j 14:42	3° \mathbb{L} 59'38			-12150 Sep 17 j 17:52	0° \mathbb{L}	
max. Earth dist.	-12151 Oct 02 j 15:29	12° \mathbb{L} 26'58	1.40205 AU				
superior conj	-12151 Oct 10 j 05:24	25° \mathbb{L} 51'56	-1°27'09	superior conj	-12150 Sep 22 j 00:58	7° \mathbb{L} 19'36	-1°06'18
minimum elong	-12151 Oct 10 j 02:33	25° \mathbb{L} 38'59	1°26'18	minimum elong	-12150 Sep 21 j 20:51	7° \mathbb{L} 01'48	1°05'11
	-12151 Oct 12 j 11:18	0° \mathbb{L}		evening rise	-12150 Oct 03 j 00:17	26° \mathbb{L} 55'09	
evening rise	-12151 Oct 19 j 19:02	13° \mathbb{L} 50'12			-12150 Oct 04 j 16:52	0° \mathbb{L}	
	-12151 Oct 28 j 16:12	0° \mathbb{M}		evening max el	-12150 Oct 19 j 09:24	22° \mathbb{L} 54'29	18°08'32
asc. node	-12151 Nov 02 j 11:30	7° \mathbb{M} 02'27		asc. node	-12150 Oct 20 j 08:45	23° \mathbb{L} 49'05	
evening max el	-12151 Nov 04 j 23:40	9° \mathbb{M} 50'29	18°25'56	retrograde	-12150 Oct 26 j 07:49	26° \mathbb{L} 28'33	
retrograde	-12151 Nov 12 j 13:52	13° \mathbb{M} 35'54		evening set	-12150 Oct 28 j 20:04	26° \mathbb{L} 00'55	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

inferior conj	-12150 Nov 04 j 19:40	21° Ω 01'03	3°48'48	min. Earth dist.	-12149 Oct 21 j 05:12	1° Ω 16'17	0.62932 AU
minimum elong	-12150 Nov 04 j 16:08	21° Ω 09'15	3°48'40		-12149 Oct 22 j 12:18	30° \mathcal{R} \mathfrak{S}	
min. Earth dist.	-12150 Nov 07 j 18:44	18° Ω 16'51	0.61217 AU	morning rise	-12149 Oct 24 j 21:23	27° \mathfrak{S} 58'33	
morning rise	-12150 Nov 11 j 10:54	15° Ω 23'19		direct	-12149 Oct 31 j 22:19	25° \mathfrak{S} 20'24	
direct	-12150 Nov 18 j 10:42	13° Ω 03'42			-12149 Nov 11 j 09:54	0° Ω	
morning max el	-12150 Dec 02 j 08:31	20° Ω 30'05	27°22'08	morning max el	-12149 Nov 14 j 14:44	2° Ω 51'08	27°33'43
desc. node	-12150 Dec 07 j 07:59	25° Ω 50'54		desc. node	-12149 Nov 24 j 04:37	13° Ω 58'10	
	-12150 Dec 10 j 16:11	0° \mathfrak{M}			-12149 Dec 04 j 23:32	0° \mathfrak{M}	
	-12150 Dec 29 j 06:42	0° \mathfrak{L}		morning set	-12149 Dec 18 j 10:08	24° \mathfrak{M} 32'52	
morning set	-12149 Jan 03 j 08:22	10° \mathfrak{L} 04'13			-12149 Dec 21 j 02:07	0° \mathfrak{L}	
max. Earth dist.	-12149 Jan 09 j 14:37	23° \mathfrak{L} 22'42	1.32879 AU	max. Earth dist.	-12149 Dec 23 j 22:58	6° \mathfrak{L} 02'23	1.33336 AU
superior conj	-12149 Jan 10 j 12:28	25° \mathfrak{L} 21'33	-0°51'34	superior conj	-12149 Dec 25 j 22:23	10° \mathfrak{L} 16'27	-1°09'27
minimum elong	-12149 Jan 10 j 14:15	25° \mathfrak{L} 31'20	0°51'34	minimum elong	-12149 Dec 26 j 00:26	10° \mathfrak{L} 27'30	1°09'18
	-12149 Jan 12 j 15:33	0° \mathfrak{M}		evening rise	-12148 Jan 02 j 00:19	25° \mathfrak{L} 28'07	
asc. node	-12149 Jan 16 j 06:18	7° \mathfrak{M} 47'49		asc. node	-12148 Jan 03 j 03:37	27° \mathfrak{L} 50'25	
evening rise	-12149 Jan 17 j 13:05	10° \mathfrak{M} 30'29			-12148 Jan 04 j 04:51	0° \mathfrak{M}	
	-12149 Jan 27 j 16:17	0° \mathfrak{J}			-12148 Jan 22 j 19:00	0° \mathfrak{J}	
evening max el	-12149 Feb 13 j 06:18	22° \mathfrak{J} 25'20	25°12'17	evening max el	-12148 Jan 25 j 23:38	3° \mathfrak{J} 18'39	23°41'42
retrograde	-12149 Feb 27 j 06:39	29° \mathfrak{J} 30'42		retrograde	-12148 Feb 08 j 11:13	9° \mathfrak{J} 55'00	
evening set	-12149 Mar 04 j 06:50	28° \mathfrak{J} 32'19		evening set	-12148 Feb 12 j 10:09	9° \mathfrak{J} 20'36	
desc. node	-12149 Mar 05 j 09:29	28° \mathfrak{J} 04'26		min. Earth dist.	-12148 Feb 19 j 12:39	5° \mathfrak{J} 59'23	0.56100 AU
min. Earth dist.	-12149 Mar 09 j 19:57	25° \mathfrak{J} 31'51	0.57458 AU	desc. node	-12148 Feb 20 j 06:24	5° \mathfrak{J} 32'38	
inferior conj	-12149 Mar 12 j 18:19	23° \mathfrak{J} 31'23	-1°45'41	inferior conj	-12148 Feb 21 j 09:39	4° \mathfrak{J} 51'10	-0°17'17
minimum elong	-12149 Mar 12 j 15:00	23° \mathfrak{J} 37'05	1°45'30	minimum elong	-12148 Feb 21 j 08:56	4° \mathfrak{J} 52'16	0°17'42
morning rise	-12149 Mar 21 j 02:24	19° \mathfrak{J} 13'49		morning rise	-12148 Mar 01 j 10:05	0° \mathfrak{J} 45'59	
direct	-12149 Mar 23 j 07:38	18° \mathfrak{J} 58'54		direct	-12148 Mar 03 j 14:10	0° \mathfrak{J} 33'53	
morning max el	-12149 Apr 01 j 02:12	23° \mathfrak{J} 08'54	19°03'17	morning max el	-12148 Mar 13 j 21:49	5° \mathfrak{J} 27'11	20°02'04
	-12149 Apr 06 j 16:57	0° \mathfrak{Z}			-12148 Mar 29 j 19:15	0° \mathfrak{Z}	
asc. node	-12149 Apr 14 j 05:00	12° \mathfrak{Z} 51'11		asc. node	-12148 Mar 31 j 01:56	2° \mathfrak{Z} 32'41	
morning set	-12149 Apr 17 j 18:29	19° \mathfrak{Z} 44'32		morning set	-12148 Mar 31 j 20:46	4° \mathfrak{Z} 07'20	
	-12149 Apr 22 j 23:29	0° \mathfrak{A}					
superior conj	-12149 Apr 26 j 09:51	6° \mathfrak{A} 39'36	1°31'43	superior conj	-12148 Apr 08 j 20:04	20° \mathfrak{Z} 16'29	1°13'03
minimum elong	-12149 Apr 26 j 06:50	6° \mathfrak{A} 25'07	1°30'51	minimum elong	-12148 Apr 08 j 17:11	20° \mathfrak{Z} 02'05	1°11'59
max. Earth dist.	-12149 May 02 j 20:53	18° \mathfrak{A} 42'37	1.38378 AU	max. Earth dist.	-12148 Apr 13 j 19:22	0° \mathfrak{A}	
evening rise	-12149 May 06 j 22:11	25° \mathfrak{A} 54'22		evening rise	-12148 Apr 14 j 00:33	0° \mathfrak{A} 24'45	1.36638 AU
	-12149 May 09 j 07:20	0° \mathfrak{H}			-12148 Apr 18 j 03:48	8° \mathfrak{A} 07'32	
	-12149 May 28 j 16:41	0° \mathfrak{Y}		desc. node	-12148 May 01 j 01:26	0° \mathfrak{H}	
desc. node	-12149 Jun 01 j 07:29	4° \mathfrak{Y} 55'15			-12148 May 18 j 04:58	24° \mathfrak{H} 03'40	
evening max el	-12149 Jun 11 j 14:15	17° \mathfrak{Y} 06'26	24°33'45	evening max el	-12148 May 23 j 12:44	0° \mathfrak{Y}	
retrograde	-12149 Jun 22 j 22:11	23° \mathfrak{Y} 48'05		retrograde	-12148 May 23 j 23:59	0° \mathfrak{Y} 28'13	25°48'14
evening set	-12149 Jun 28 j 12:40	21° \mathfrak{Y} 21'40		evening set	-12148 Jun 05 j 07:29	7° \mathfrak{Y} 38'56	
min. Earth dist.	-12149 Jul 03 j 02:59	15° \mathfrak{Y} 59'35	0.67008 AU	min. Earth dist.	-12148 Jun 11 j 11:56	4° \mathfrak{Y} 57'55	
inferior conj	-12149 Jul 03 j 18:55	15° \mathfrak{Y} 05'49	-2°07'36		-12148 Jun 15 j 17:15	0° \mathfrak{Y} 15'04	0.66427 AU
minimum elong	-12149 Jul 03 j 21:04	14° \mathfrak{Y} 58'32	2°06'46	inferior conj	-12148 Jun 15 j 21:57	30° \mathfrak{R} \mathfrak{H}	
morning rise	-12149 Jul 09 j 05:25	8° \mathfrak{Y} 58'46		minimum elong	-12148 Jun 16 j 21:50	28° \mathfrak{H} 42'55	-2°41'44
asc. node	-12149 Jul 11 j 05:55	7° \mathfrak{Y} 53'30		morning rise	-12148 Jun 17 j 00:07	28° \mathfrak{H} 35'33	2°41'14
direct	-12149 Jul 13 j 00:35	7° \mathfrak{Y} 35'33		direct	-12148 Jun 22 j 12:21	22° \mathfrak{H} 47'18	
morning max el	-12149 Jul 20 j 23:55	12° \mathfrak{Y} 17'50	20°27'33	asc. node	-12148 Jun 25 j 22:31	21° \mathfrak{H} 39'20	
	-12149 Aug 03 j 08:23	0° \mathfrak{B}		morning max el	-12148 Jun 27 j 02:42	21° \mathfrak{H} 46'59	
morning set	-12149 Aug 17 j 15:58	21° \mathfrak{B} 48'29			-12148 Jul 03 j 03:12	25° \mathfrak{H} 47'18	19°26'37
	-12149 Aug 22 j 21:27	0° \mathfrak{I}		morning set	-12148 Jul 06 j 17:39	0° \mathfrak{Y}	
max. Earth dist.	-12149 Aug 28 j 04:42	8° \mathfrak{I} 26'45	1.43513 AU		-12148 Jul 26 j 23:11	0° \mathfrak{B} 29'59	
desc. node	-12149 Aug 28 j 04:16	8° \mathfrak{I} 25'04		max. Earth dist.	-12148 Jul 26 j 15:33	0° \mathfrak{B}	
					-12148 Aug 09 j 19:42	22° \mathfrak{B} 20'32	1.44384 AU
superior conj	-12149 Sep 02 j 18:04	17° \mathfrak{I} 29'26	-0°33'02	superior conj	-12148 Aug 12 j 08:32	26° \mathfrak{B} 22'28	0°10'10
minimum elong	-12149 Sep 02 j 14:58	17° \mathfrak{I} 16'37	0°31'57	minimum elong	-12148 Aug 12 j 09:49	26° \mathfrak{B} 27'32	0°10'37
	-12149 Sep 10 j 05:06	0° \mathfrak{S}		behind sun begin	-12148 Aug 12 j 01:13	25° \mathfrak{B} 53'15	
evening rise	-12149 Sep 15 j 13:25	9° \mathfrak{S} 12'43		behind sun end	-12148 Aug 12 j 18:25	27° \mathfrak{B} 01'50	
	-12149 Sep 28 j 00:23	0° Ω		desc. node	-12148 Aug 14 j 01:32	29° \mathfrak{B} 06'09	
evening max el	-12149 Oct 02 j 22:35	6° Ω 13'33	18°10'18		-12148 Aug 14 j 14:59	0° \mathfrak{I}	
asc. node	-12149 Oct 07 j 05:57	9° Ω 18'56		evening rise	-12148 Aug 27 j 04:50	20° \mathfrak{I} 28'46	
retrograde	-12149 Oct 09 j 13:47	9° Ω 46'24			-12148 Sep 01 j 23:03	0° \mathfrak{S}	
evening set	-12149 Oct 12 j 05:06	9° Ω 11'32		evening max el	-12148 Sep 15 j 12:08	19° \mathfrak{S} 40'31	18°30'15
inferior conj	-12149 Oct 18 j 17:30	3° Ω 51'56	3°09'07	retrograde	-12148 Sep 22 j 03:49	23° \mathfrak{S} 21'17	
minimum elong	-12149 Oct 18 j 13:42	4° Ω 01'52	3°08'45	asc. node	-12148 Sep 23 j 03:06	23° \mathfrak{S} 16'06	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening set	-12148 Sep 25 j 00:22	22° ☿ 36'32		minimum elong	-12147 Sep 14 j 18:58	0° ☿ 26'51	1°29'48
inferior conj	-12148 Oct 01 j 02:57	17° ☿ 00'07	2°21'19		-12147 Sep 15 j 03:33	30° ☿ II	
minimum elong	-12148 Sep 30 j 23:49	17° ☿ 09'12	2°20'59	min. Earth dist.	-12147 Sep 16 j 07:28	28° II 32'55	0.65542 AU
min. Earth dist.	-12148 Oct 03 j 01:47	14° ☿ 45'02	0.64387 AU	morning rise	-12147 Sep 20 j 10:57	24° II 05'13	
morning rise	-12148 Oct 06 j 22:38	10° ☿ 54'01		direct	-12147 Sep 26 j 17:29	21° II 26'55	
direct	-12148 Oct 13 j 16:43	8° ☿ 10'30		morning max el	-12147 Oct 09 j 10:49	28° II 49'57	26°22'28
morning max el	-12148 Oct 27 j 00:18	15° ☿ 41'38	27°12'04		-12147 Oct 10 j 14:24	0° ☿	
	-12148 Nov 07 j 23:12	0° ♊		desc. node	-12147 Oct 27 j 21:59	22° ☿ 29'37	
desc. node	-12148 Nov 10 j 01:16	2° ♊ 55'53			-12147 Nov 01 j 18:03	0° ♊	
	-12148 Nov 26 j 15:10	0° ♋		morning set	-12147 Nov 14 j 08:17	21° ♊ 49'51	
morning set	-12148 Dec 01 j 03:21	8° ♋ 31'53		max. Earth dist.	-12147 Nov 18 j 13:42	29° ♊ 56'04	1.35456 AU
max. Earth dist.	-12148 Dec 05 j 23:35	18° ♋ 14'41	1.34184 AU		-12147 Nov 18 j 14:30	0° ♋	
superior conj	-12148 Dec 09 j 04:41	24° ♋ 56'48	-1°23'56	superior conj	-12147 Nov 23 j 05:02	9° ♋ 15'01	-1°33'54
minimum elong	-12148 Dec 09 j 06:35	25° ♋ 06'47	1°23'41	minimum elong	-12147 Nov 23 j 06:15	9° ♋ 21'17	1°33'33
	-12148 Dec 11 j 13:53	0° ♌		evening rise	-12147 Nov 30 j 19:33	25° ♋ 00'12	
evening rise	-12148 Dec 16 j 11:02	10° ♌ 20'01			-12147 Dec 03 j 06:37	0° ♌	
asc. node	-12148 Dec 20 j 00:59	17° ♌ 37'55		asc. node	-12147 Dec 06 j 22:23	7° ♌ 03'37	
	-12148 Dec 26 j 19:55	0° ♍		evening max el	-12147 Dec 19 j 21:13	25° ♌ 32'31	20°43'00
evening max el	-12147 Jan 06 j 18:51	14° ♍ 14'02	22°08'00		-12147 Dec 26 j 19:40	0° ♍	
retrograde	-12147 Jan 19 j 05:11	20° ♍ 09'34		retrograde	-12147 Dec 30 j 20:14	0° ♍ 41'08	
evening set	-12147 Jan 22 j 08:46	19° ♍ 47'38		evening set	-12146 Jan 02 j 13:21	0° ♍ 23'29	
inferior conj	-12147 Jan 31 j 10:35	15° ♍ 41'20	1°26'36		-12146 Jan 04 j 00:47	30° R ♌	
minimum elong	-12147 Jan 31 j 14:11	15° ♍ 36'12	1°24'59	inferior conj	-12146 Jan 11 j 08:34	26° ♌ 24'18	2°59'24
min. Earth dist.	-12147 Jan 31 j 03:15	15° ♍ 51'48	0.55475 AU	minimum elong	-12146 Jan 11 j 14:21	26° ♌ 15'47	2°57'43
desc. node	-12147 Feb 06 j 03:13	12° ♍ 44'34		min. Earth dist.	-12146 Jan 12 j 16:56	25° ♌ 36'47	0.55714 AU
morning rise	-12147 Feb 09 j 20:10	11° ♍ 36'20		morning rise	-12146 Jan 20 j 13:59	22° ♌ 03'40	
direct	-12147 Feb 12 j 07:36	11° ♍ 22'20		direct	-12146 Jan 23 j 23:02	21° ♌ 38'35	
morning max el	-12147 Feb 24 j 06:30	17° ♍ 06'20	21°19'31	desc. node	-12146 Jan 23 j 23:56	21° ♌ 38'35	
	-12147 Mar 06 j 04:01	0° ♎		morning max el	-12146 Feb 06 j 04:31	28° ♌ 08'23	22°51'20
morning set	-12147 Mar 16 j 04:38	18° ♎ 51'47			-12146 Feb 08 j 00:38	0° ♎	
asc. node	-12147 Mar 17 j 22:59	22° ♎ 31'08			-12146 Feb 26 j 19:15	0° ♏	
	-12147 Mar 21 j 12:55	0° ♏		morning set	-12146 Feb 28 j 15:46	3° ♏ 49'35	
superior conj	-12147 Mar 23 j 16:36	4° ♏ 28'28	0°51'15	asc. node	-12146 Mar 04 j 20:07	12° ♏ 40'46	
minimum elong	-12147 Mar 23 j 14:26	4° ♏ 17'19	0°50'11	superior conj	-12146 Mar 07 j 20:12	19° ♏ 04'47	0°27'58
max. Earth dist.	-12147 Mar 27 j 12:41	12° ♏ 17'14	1.35182 AU	minimum elong	-12146 Mar 07 j 19:02	18° ♏ 58'31	0°27'03
evening rise	-12147 Apr 01 j 03:43	21° ♏ 19'02		max. Earth dist.	-12146 Mar 10 j 10:50	24° ♏ 34'08	1.34076 AU
	-12147 Apr 05 j 20:36	0° ♐			-12146 Mar 13 j 02:11	0° ♐	
	-12147 Apr 24 j 20:48	0° ♑		evening rise	-12146 Mar 15 j 16:47	5° ♐ 12'54	
desc. node	-12147 May 05 j 02:25	12° ♑ 25'58			-12146 Mar 29 j 13:30	0° ♑	
evening max el	-12147 May 06 j 10:29	13° ♑ 47'18	26°46'30	evening max el	-12146 Apr 18 j 21:06	26° ♑ 54'10	27°20'51
retrograde	-12147 May 19 j 12:01	21° ♑ 15'36		desc. node	-12146 Apr 21 j 23:46	29° ♑ 42'31	
evening set	-12147 May 26 j 03:42	18° ♑ 28'29			-12146 Apr 22 j 08:23	0° ♒	
min. Earth dist.	-12147 May 30 j 01:28	14° ♒ 24'35	0.65459 AU	retrograde	-12146 May 02 j 11:10	4° ♒ 29'23	
inferior conj	-12147 May 31 j 20:04	12° ♒ 16'22	-3°07'42	evening set	-12146 May 09 j 09:02	1° ♒ 48'12	
minimum elong	-12147 May 31 j 21:59	12° ♒ 10'34	3°07'39		-12146 May 11 j 10:20	30° R ♑	
morning rise	-12147 Jun 06 j 16:34	6° ♒ 34'52		min. Earth dist.	-12146 May 13 j 01:53	28° ♑ 18'48	0.64094 AU
direct	-12147 Jun 09 j 19:27	5° ♒ 40'12		inferior conj	-12146 May 15 j 11:06	25° ♑ 41'36	-3°23'07
asc. node	-12147 Jun 13 j 23:27	7° ♒ 11'33		minimum elong	-12146 May 15 j 12:06	25° ♑ 38'52	3°23'30
morning max el	-12147 Jun 16 j 12:07	9° ♒ 22'53	18°41'07	morning rise	-12146 May 21 j 15:52	20° ♑ 16'26	
	-12147 Jun 30 j 20:44	0° ♓		direct	-12146 May 24 j 12:56	19° ♑ 33'12	
morning set	-12147 Jul 07 j 01:44	10° ♓ 05'05		morning max el	-12146 May 31 j 00:42	23° ♑ 00'27	18°12'40
	-12147 Jul 19 j 11:10	0° ♈		asc. node	-12146 May 31 j 20:13	23° ♑ 51'32	
superior conj	-12147 Jul 22 j 08:51	4° ♈ 36'30	0°54'25		-12146 Jun 05 j 13:16	0° ♈	
minimum elong	-12147 Jul 22 j 14:45	4° ♈ 59'54	0°54'09	morning set	-12146 Jun 18 j 05:27	20° ♈ 49'31	
max. Earth dist.	-12147 Jul 23 j 12:29	6° ♈ 25'57	1.44564 AU		-12146 Jun 23 j 16:00	0° ♉	
desc. node	-12147 Jul 31 j 22:55	19° ♈ 46'10		superior conj	-12146 Jul 01 j 17:02	13° ♉ 14'46	1°28'17
	-12147 Aug 07 j 09:52	0° ♊		minimum elong	-12146 Jul 01 j 23:01	13° ♉ 39'02	1°27'58
evening rise	-12147 Aug 07 j 17:37	0° ♊ 30'46		max. Earth dist.	-12146 Jul 06 j 03:36	20° ♉ 23'28	1.44042 AU
	-12147 Aug 27 j 04:49	0° ☿			-12146 Jul 12 j 05:11	0° ♊	
evening max el	-12147 Aug 29 j 23:17	3° ☿ 10'37	19°07'23	evening rise	-12146 Jul 18 j 04:41	9° ♊ 20'44	
retrograde	-12147 Sep 05 j 22:29	7° ☿ 08'04		desc. node	-12146 Jul 18 j 20:23	10° ♊ 21'43	
evening set	-12147 Sep 09 j 02:33	6° ☿ 10'16		greatest brilliancy	-12146 Jul 30 j 22:11	28° ♊ 51'26	-0.7m
asc. node	-12147 Sep 10 j 00:11	5° ☿ 33'14			-12146 Jul 31 j 16:34	0° ♋	
inferior conj	-12147 Sep 14 j 21:01	0° ☿ 20'25	1°29'50	evening max el	-12146 Aug 13 j 05:33	16° ♋ 39'53	20°00'29

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

retrograde	-12146 Aug 20 j 19:06	21° Π 02'55		retrograde	-12145 Aug 04 j 15:27	5° Π 02'25	
evening set	-12146 Aug 24 j 08:58	19° Π 48'45		evening set	-12145 Aug 08 j 17:18	3° Π 28'47	
asc. node	-12146 Aug 27 j 21:10	16° Π 22'24			-12145 Aug 12 j 01:22	30° \mathbb{R} 8	
inferior conj	-12146 Aug 29 j 21:09	13° Π 48'37	0°37'38	inferior conj	-12145 Aug 14 j 01:07	27° \mathbb{S} 21'11	-0°13'18
minimum elong	-12146 Aug 29 j 20:17	13° Π 51'28	0°37'58	minimum elong	-12145 Aug 14 j 01:23	27° \mathbb{S} 20'15	0°12'36
min. Earth dist.	-12146 Aug 30 j 20:07	12° Π 32'44	0.66392 AU	transit middle	-12145 Aug 14 j 01:23	27° \mathbb{S} 20'15	0°12'36
morning rise	-12146 Sep 04 j 07:19	7° Π 28'28		transit begin	-12145 Aug 13 j 23:39	27° \mathbb{S} 26'12	
direct	-12146 Sep 10 j 00:09	5° Π 02'43		transit end	-12145 Aug 14 j 03:07	27° \mathbb{S} 14'19	
morning max el	-12146 Sep 21 j 20:44	12° Π 04'49	25°12'44	min. Earth dist.	-12145 Aug 14 j 13:19	26° \mathbb{S} 39'28	0.66952 AU
	-12146 Oct 06 j 08:25	0° \mathfrak{C}		asc. node	-12145 Aug 14 j 18:05	26° \mathbb{S} 23'14	
desc. node	-12146 Oct 14 j 18:47	12° \mathfrak{C} 29'07		morning rise	-12145 Aug 19 j 09:17	21° \mathbb{S} 00'07	
	-12146 Oct 25 j 10:38	0° Ω		direct	-12145 Aug 24 j 11:55	18° \mathbb{S} 51'12	
morning set	-12146 Oct 27 j 20:13	4° Ω 13'29		morning max el	-12145 Sep 04 j 06:35	25° \mathbb{S} 19'33	23°51'36
max. Earth dist.	-12146 Oct 31 j 17:37	11° Ω 18'43	1.37127 AU		-12145 Sep 08 j 11:56	0° Π	
					-12145 Sep 29 j 21:26	0° \mathfrak{C}	
superior conj	-12146 Nov 06 j 20:29	23° Ω 02'25	-1°37'50	desc. node	-12145 Oct 01 j 15:41	2° \mathfrak{C} 46'00	
minimum elong	-12146 Nov 06 j 20:28	23° Ω 02'19	1°37'22	morning set	-12145 Oct 09 j 09:37	15° \mathfrak{C} 27'16	
	-12146 Nov 10 j 08:17	0° \mathfrak{M}		max. Earth dist.	-12145 Oct 13 j 16:26	22° \mathfrak{C} 51'26	1.39066 AU
evening rise	-12146 Nov 14 j 23:56	9° \mathfrak{M} 23'15			-12145 Oct 17 j 15:56	0° Ω	
asc. node	-12146 Nov 23 j 19:45	25° \mathfrak{M} 59'41					
	-12146 Nov 26 j 08:30	0° \mathfrak{L}		superior conj	-12145 Oct 20 j 23:00	6° Ω 06'29	-1°33'53
evening max el	-12146 Dec 02 j 09:44	7° \mathfrak{L} 25'09	19°34'13	minimum elong	-12145 Oct 20 j 21:14	5° Ω 58'12	1°33'12
retrograde	-12146 Dec 11 j 19:30	11° \mathfrak{L} 51'37		evening rise	-12145 Oct 29 j 21:45	23° Ω 21'48	
evening set	-12146 Dec 14 j 08:37	11° \mathfrak{L} 33'35			-12145 Nov 02 j 08:27	0° \mathfrak{M}	
inferior conj	-12146 Dec 22 j 16:30	7° \mathfrak{L} 25'50	3°57'57	asc. node	-12145 Nov 10 j 17:05	14° \mathfrak{M} 15'29	
minimum elong	-12146 Dec 22 j 20:19	7° \mathfrak{L} 19'37	3°57'24	evening max el	-12145 Nov 15 j 08:09	19° \mathfrak{M} 50'13	18°44'59
min. Earth dist.	-12146 Dec 25 j 06:30	5° \mathfrak{L} 45'31	0.56752 AU	retrograde	-12145 Nov 23 j 11:15	23° \mathfrak{M} 46'42	
morning rise	-12146 Dec 31 j 05:52	2° \mathfrak{L} 41'42		evening set	-12145 Nov 25 j 22:55	23° \mathfrak{M} 26'02	
direct	-12145 Jan 04 j 23:03	1° \mathfrak{L} 51'15		inferior conj	-12145 Dec 03 j 18:01	18° \mathfrak{M} 59'41	4°17'12
desc. node	-12145 Jan 10 j 20:35	3° \mathfrak{L} 11'00		minimum elong	-12145 Dec 03 j 18:05	18° \mathfrak{M} 59'35	4°17'22
morning max el	-12145 Jan 18 j 19:54	8° \mathfrak{L} 50'26	24°28'01	min. Earth dist.	-12145 Dec 06 j 21:36	16° \mathfrak{M} 39'38	0.58340 AU
	-12145 Feb 03 j 09:36	0° \mathfrak{M}		morning rise	-12145 Dec 11 j 11:21	13° \mathfrak{M} 52'41	
morning set	-12145 Feb 13 j 04:14	18° \mathfrak{M} 53'59		direct	-12145 Dec 17 j 10:32	12° \mathfrak{M} 26'09	
	-12145 Feb 18 j 08:36	0° \mathfrak{X}		desc. node	-12145 Dec 28 j 17:12	17° \mathfrak{M} 13'53	
asc. node	-12145 Feb 19 j 17:18	2° \mathfrak{X} 56'59		morning max el	-12145 Dec 31 j 11:21	19° \mathfrak{M} 39'35	25°55'37
					-12144 Jan 09 j 07:22	0° \mathfrak{L}	
superior conj	-12145 Feb 20 j 04:29	3° \mathfrak{X} 57'24	0°04'26		-12144 Jan 26 j 18:17	0° \mathfrak{M}	
minimum elong	-12145 Feb 20 j 04:19	3° \mathfrak{X} 56'31	0°03'46	morning set	-12144 Jan 28 j 16:16	3° \mathfrak{M} 57'58	
behind sun begin	-12145 Feb 19 j 23:20	3° \mathfrak{X} 29'35					
behind sun end	-12145 Feb 20 j 09:18	4° \mathfrak{X} 23'26		superior conj	-12144 Feb 04 j 15:25	18° \mathfrak{M} 58'48	-0°18'32
max. Earth dist.	-12145 Feb 21 j 17:28	7° \mathfrak{X} 16'28	1.33322 AU	minimum elong	-12144 Feb 04 j 16:11	19° \mathfrak{M} 02'59	0°18'54
evening rise	-12145 Feb 27 j 15:09	19° \mathfrak{X} 36'41		max. Earth dist.	-12144 Feb 05 j 05:27	20° \mathfrak{M} 15'16	1.32895 AU
	-12145 Mar 04 j 23:12	0° \mathfrak{Z}		asc. node	-12144 Feb 06 j 14:33	23° \mathfrak{M} 15'12	
	-12145 Mar 23 j 19:54	0° \approx			-12144 Feb 09 j 18:05	0° \mathfrak{X}	
evening max el	-12145 Apr 01 j 06:04	9° \approx 38'08	27°25'14	evening rise	-12144 Feb 11 j 19:49	4° \mathfrak{X} 19'52	
desc. node	-12145 Apr 08 j 21:00	15° \approx 27'19			-12144 Feb 25 j 18:11	0° \mathfrak{Z}	
retrograde	-12145 Apr 15 j 03:57	17° \approx 12'00		evening max el	-12144 Mar 13 j 10:59	21° \mathfrak{Z} 48'53	26°56'49
evening set	-12145 Apr 22 j 00:42	14° \approx 50'05		desc. node	-12144 Mar 25 j 18:07	29° \mathfrak{Z} 07'52	
min. Earth dist.	-12145 Apr 25 j 17:28	11° \approx 46'06	0.62381 AU	retrograde	-12144 Mar 27 j 12:56	29° \mathfrak{Z} 16'12	
inferior conj	-12145 Apr 28 j 16:00	8° \approx 53'08	-3°24'28	evening set	-12144 Apr 02 j 23:29	27° \mathfrak{Z} 24'26	
minimum elong	-12145 Apr 28 j 15:28	8° \approx 54'25	3°25'02	min. Earth dist.	-12144 Apr 07 j 00:09	24° \mathfrak{Z} 33'01	0.60437 AU
morning rise	-12145 May 05 j 07:39	3° \approx 46'08		inferior conj	-12144 Apr 10 j 07:17	21° \mathfrak{Z} 43'21	-3°06'43
direct	-12145 May 07 j 23:57	3° \approx 12'41		minimum elong	-12144 Apr 10 j 04:58	21° \mathfrak{Z} 48'22	3°07'05
morning max el	-12145 May 14 j 14:35	6° \approx 35'07	18°02'17	morning rise	-12144 Apr 17 j 12:43	16° \mathfrak{Z} 56'03	
asc. node	-12145 May 18 j 17:01	11° \approx 31'39		direct	-12144 Apr 20 j 00:44	16° \mathfrak{Z} 30'59	
	-12145 May 29 j 20:20	0° \mathfrak{X}		morning max el	-12144 Apr 27 j 03:11	20° \mathfrak{Z} 00'30	18°10'44
morning set	-12145 May 31 j 08:29	2° \mathfrak{X} 40'38		asc. node	-12144 May 04 j 13:51	29° \mathfrak{Z} 58'40	
					-12144 May 04 j 14:11	0° \approx	
superior conj	-12145 Jun 12 j 00:59	23° \mathfrak{X} 02'42	1°45'58	morning set	-12144 May 13 j 06:17	15° \approx 28'32	
minimum elong	-12145 Jun 12 j 03:29	23° \mathfrak{X} 13'19	1°45'46		-12144 May 21 j 03:44	0° \mathfrak{X}	
	-12145 Jun 16 j 04:49	0° \mathfrak{Y}					
max. Earth dist.	-12145 Jun 18 j 14:50	3° \mathfrak{Y} 58'06	1.42904 AU	superior conj	-12144 May 23 j 11:49	4° \mathfrak{X} 11'18	1°48'37
evening rise	-12145 Jun 27 j 04:38	17° \mathfrak{Y} 39'31		minimum elong	-12144 May 23 j 10:58	4° \mathfrak{X} 07'32	1°48'15
	-12145 Jul 05 j 04:58	0° \mathbb{S}		max. Earth dist.	-12144 May 30 j 21:00	16° \mathfrak{X} 58'01	1.41301 AU
desc. node	-12145 Jul 05 j 17:52	0° \mathbb{S} 48'49		evening rise	-12144 Jun 05 j 16:35	26° \mathfrak{X} 33'48	
evening max el	-12145 Jul 27 j 05:12	0° Π 05'12	21°07'27		-12144 Jun 07 j 19:58	0° \mathfrak{Y}	
	-12145 Jul 27 j 03:10	0° Π		desc. node	-12144 Jun 21 j 15:23	21° \mathfrak{Y} 03'15	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12144 Jun 27 j 23:05	0°♄					-12143 May 31 j 21:32	0°♅			
evening max el	-12144 Jul 08 j 22:01	13°♄26'36	22°24'44		desc. node		-12143 Jun 08 j 12:53	10°♅58'50			
retrograde	-12144 Jul 18 j 10:06	19°♄04'39			evening max el		-12143 Jun 21 j 09:36	26°♅45'42	23°46'59		
evening set	-12144 Jul 23 j 01:37	17°♄09'43					-12143 Jun 24 j 23:45	0°♄			
inferior conj	-12144 Jul 28 j 07:05	10°♄57'01	-1°01'16		retrograde		-12143 Jul 02 j 01:53	3°♄06'03			
minimum elong	-12144 Jul 28 j 08:18	10°♄52'48	1°00'22		evening set		-12143 Jul 07 j 08:01	0°♄50'06			
min. Earth dist.	-12144 Jul 28 j 08:41	10°♄51'27	0.67222 AU				-12143 Jul 08 j 05:11	30°♅♂			
asc. node	-12144 Jul 31 j 14:56	6°♄37'17			min. Earth dist.		-12143 Jul 12 j 03:56	25°♅06'42	0.67181 AU		
morning rise	-12144 Aug 02 j 14:54	4°♄38'50			inferior conj		-12143 Jul 12 j 13:17	24°♅34'39	-1°44'56		
direct	-12144 Aug 07 j 04:02	2°♄48'20			minimum elong		-12143 Jul 12 j 15:12	24°♅28'06	1°44'02		
morning max el	-12144 Aug 16 j 18:54	8°♄35'27	22°27'44		morning rise		-12143 Jul 17 j 22:21	18°♅22'41			
	-12144 Sep 02 j 07:06	0°♄			asc. node		-12143 Jul 18 j 11:45	17°♅58'41			
desc. node	-12144 Sep 17 j 12:41	23°♄14'56			direct		-12143 Jul 21 j 23:27	16°♅50'08			
morning set	-12144 Sep 18 j 20:47	25°♄24'02			morning max el		-12143 Jul 30 j 12:11	21°♅55'10	21°08'37		
	-12144 Sep 21 j 16:26	0°♄					-12143 Aug 06 j 05:16	0°♄			
max. Earth dist.	-12144 Sep 24 j 17:17	5°♄03'26	1.41028 AU				-12143 Aug 26 j 14:57	0°♄			
					morning set		-12143 Aug 29 j 08:45	4°♄16'09			
superior conj	-12144 Oct 02 j 07:30	18°♄13'29	-1°19'49		desc. node		-12143 Sep 04 j 09:48	13°♄51'24			
minimum elong	-12144 Oct 02 j 03:58	17°♄57'42	1°18'50		max. Earth dist.		-12143 Sep 06 j 23:38	18°♄01'41	1.42732 AU		
	-12144 Oct 08 j 18:29	0°♄									
evening rise	-12144 Oct 12 j 10:08	6°♄48'55			superior conj		-12143 Sep 13 j 16:13	29°♄08'22	-0°53'41		
	-12144 Oct 26 j 04:53	0°♄			minimum elong		-12143 Sep 13 j 12:08	28°♄51'05	0°52'30		
asc. node	-12144 Oct 27 j 14:21	1°♄38'43					-12143 Sep 14 j 04:24	0°♄			
evening max el	-12144 Oct 28 j 14:28	2°♄41'44	18°16'04		evening rise		-12143 Sep 25 j 09:08	19°♄35'09			
retrograde	-12144 Nov 04 j 20:44	6°♄21'02					-12143 Oct 01 j 06:07	0°♄			
evening set	-12144 Nov 07 j 08:14	5°♄56'25			evening max el		-12143 Oct 12 j 01:56	15°♄52'27	18°07'00		
inferior conj	-12144 Nov 14 j 14:42	1°♄08'19	4°05'23		asc. node		-12143 Oct 14 j 11:34	17°♄54'34			
minimum elong	-12144 Nov 14 j 11:59	1°♄14'10	4°05'27		retrograde		-12143 Oct 18 j 20:30	19°♄25'19			
	-12144 Nov 15 j 22:15	30°♄♂			evening set		-12143 Oct 21 j 09:41	18°♄54'59			
min. Earth dist.	-12144 Nov 17 j 17:53	28°♄27'25	0.60165 AU		inferior conj		-12143 Oct 28 j 04:21	13°♄46'16	3°33'22		
morning rise	-12144 Nov 21 j 14:15	25°♄40'54			minimum elong		-12143 Oct 28 j 00:33	13°♄55'34	3°33'06		
direct	-12144 Nov 28 j 08:27	23°♄38'28			min. Earth dist.		-12143 Oct 30 j 22:53	11°♄03'49	0.61963 AU		
	-12144 Dec 11 j 06:21	0°♄			morning rise		-12143 Nov 03 j 14:16	8°♄01'14			
morning max el	-12144 Dec 12 j 08:16	1°♄00'20	26°59'47		direct		-12143 Nov 10 j 15:28	5°♄32'13			
desc. node	-12144 Dec 14 j 13:48	3°♄15'49			morning max el		-12143 Nov 24 j 11:44	13°♄01'17	27°31'28		
	-12143 Jan 02 j 06:22	0°♄			desc. node		-12143 Dec 01 j 10:25	20°♄45'07			
morning set	-12143 Jan 12 j 02:00	18°♄54'40					-12143 Dec 08 j 05:14	0°♄			
	-12143 Jan 17 j 06:46	0°♄					-12143 Dec 25 j 12:25	0°♄			
					morning set		-12143 Dec 27 j 07:27	3°♄36'55			
superior conj	-12143 Jan 19 j 03:17	4°♄02'46	-0°40'04		max. Earth dist.		-12142 Jan 02 j 06:22	16°♄09'47	1.33024 AU		
minimum elong	-12143 Jan 19 j 04:47	4°♄10'57	0°40'12								
max. Earth dist.	-12143 Jan 18 j 19:00	3°♄17'30	1.32792 AU		superior conj		-12142 Jan 03 j 14:28	19°♄03'29	-0°59'31		
asc. node	-12143 Jan 23 j 11:50	13°♄31'05			minimum elong		-12142 Jan 03 j 16:25	19°♄14'05	0°59'26		
evening rise	-12143 Jan 26 j 04:30	19°♄14'07					-12142 Jan 08 j 15:40	0°♄			
	-12143 Jan 31 j 13:15	0°♄			asc. node		-12142 Jan 10 j 09:08	3°♄40'26			
	-12143 Feb 20 j 04:26	0°♄			evening rise		-12142 Jan 10 j 15:18	4°♄12'52			
evening max el	-12143 Feb 23 j 10:07	3°♄21'21	25°57'26				-12142 Jan 24 j 15:39	0°♄			
retrograde	-12143 Mar 09 j 12:30	10°♄37'24			evening max el		-12142 Feb 05 j 04:31	14°♄24'14	24°34'56		
desc. node	-12143 Mar 12 j 15:09	10°♄13'31			retrograde		-12142 Feb 19 j 00:59	21°♄19'43			
evening set	-12143 Mar 15 j 03:26	9°♄20'12			evening set		-12142 Feb 23 j 14:12	20°♄32'47			
min. Earth dist.	-12143 Mar 19 j 23:24	6°♄26'59	0.58478 AU		desc. node		-12142 Feb 27 j 12:04	18°♄45'44			
inferior conj	-12143 Mar 23 j 05:16	4°♄02'36	-2°23'43		min. Earth dist.		-12142 Mar 01 j 18:00	17°♄24'54	0.56805 AU		
minimum elong	-12143 Mar 23 j 01:46	4°♄09'08	2°23'40		inferior conj		-12142 Mar 04 j 07:42	15°♄45'02	-1°11'18		
	-12143 Mar 29 j 20:14	30°♄♂			minimum elong		-12142 Mar 04 j 05:08	15°♄49'13	1°11'14		
morning rise	-12143 Mar 31 j 03:15	29°♄35'14			morning rise		-12142 Mar 12 j 23:14	11°♄34'13			
direct	-12143 Apr 02 j 10:54	29°♄17'11			direct		-12142 Mar 15 j 03:15	11°♄21'02			
	-12143 Apr 05 j 22:13	0°♄			morning max el		-12142 Mar 24 j 12:53	15°♄47'45	19°25'55		
morning max el	-12143 Apr 10 j 11:36	3°♄07'40	18°38'31				-12142 Apr 03 j 18:04	0°♄			
asc. node	-12143 Apr 21 j 10:44	19°♄01'08			asc. node		-12142 Apr 08 j 07:41	8°♄30'53			
morning set	-12143 Apr 26 j 18:06	29°♄01'01			morning set		-12142 Apr 10 j 16:04	13°♄08'27			
	-12143 Apr 27 j 06:20	0°♄									
					superior conj		-12142 Apr 18 j 23:59	29°♄42'19	1°24'19		
superior conj	-12143 May 05 j 21:19	16°♄29'27	1°40'08		minimum elong		-12142 Apr 18 j 20:55	29°♄27'23	1°23'21		
minimum elong	-12143 May 05 j 18:40	16°♄17'08	1°39'26				-12142 Apr 19 j 03:36	0°♄			
max. Earth dist.	-12143 May 12 j 22:12	29°♄15'19	1.39449 AU		max. Earth dist.		-12142 Apr 24 j 22:42	11°♄01'27	1.37609 AU		
	-12143 May 13 j 08:23	0°♄			evening rise		-12142 Apr 28 j 22:59	18°♄17'44			
evening rise	-12143 May 17 j 06:24	6°♄44'43					-12142 May 05 j 18:57	0°♄			

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

desc. node	-12142 May 26 j 10:22	0°♿27'44		max. Earth dist.	-12141 Apr 07 j 05:14	22°♿44'09	1.35983 AU
	-12142 May 26 j 01:43	0°♿			-12141 Apr 11 j 00:36	0°♿	
evening max el	-12142 Jun 03 j 19:10	10°♿06'24	25°06'46	evening rise	-12141 Apr 11 j 13:07	0°♿58'18	
retrograde	-12142 Jun 15 j 13:58	17°♿02'34			-12141 Apr 28 j 21:00	0°♿	
evening set	-12142 Jun 21 j 10:33	14°♿28'58		desc. node	-12141 May 13 j 07:49	19°♿18'42	
min. Earth dist.	-12142 Jun 25 j 20:47	9°♿23'23	0.66805 AU	evening max el	-12141 May 17 j 05:16	23°♿28'22	26°15'31
inferior conj	-12142 Jun 26 j 18:00	8°♿12'56	-2°22'58		-12141 May 26 j 02:42	0°♿	
minimum elong	-12142 Jun 26 j 20:16	8°♿05'25	2°22'17	retrograde	-12141 May 29 j 21:27	0°♿48'21	
morning rise	-12142 Jul 02 j 05:59	2°♿10'24			-12141 Jun 02 j 09:48	30°♿	
asc. node	-12142 Jul 05 j 08:33	0°♿55'37		evening set	-12141 Jun 05 j 06:59	28°♿03'43	
direct	-12142 Jul 05 j 21:00	0°♿54'06		min. Earth dist.	-12141 Jun 09 j 08:55	23°♿37'22	0.66060 AU
morning max el	-12142 Jul 13 j 11:50	5°♿21'13	19°59'49	inferior conj	-12141 Jun 10 j 19:15	21°♿49'29	-2°53'54
	-12142 Jul 31 j 05:52	0°♿		minimum elong	-12141 Jun 10 j 21:27	21°♿42'35	2°53'35
morning set	-12142 Aug 08 j 11:49	12°♿45'17		morning rise	-12141 Jun 16 j 12:02	15°♿59'18	
	-12142 Aug 19 j 10:59	0°♿		direct	-12141 Jun 19 j 18:51	14°♿57'14	
max. Earth dist.	-12142 Aug 20 j 11:34	1°♿37'57	1.43957 AU	asc. node	-12141 Jun 22 j 05:20	15°♿29'38	
desc. node	-12142 Aug 22 j 07:01	4°♿31'55		morning max el	-12141 Jun 26 j 17:40	18°♿53'39	19°05'09
					-12141 Jul 05 j 04:51	0°♿	
superior conj	-12142 Aug 24 j 21:22	8°♿43'18	-0°15'31	morning set	-12141 Jul 19 j 01:51	21°♿45'56	
minimum elong	-12142 Aug 24 j 19:46	8°♿36'48	0°14'39		-12141 Jul 24 j 06:18	0°♿	
behind sun begin	-12142 Aug 24 j 15:00	8°♿17'30		max. Earth dist.	-12141 Aug 03 j 03:20	15°♿37'53	1.44546 AU
behind sun end	-12142 Aug 25 j 00:32	8°♿56'06					
	-12142 Sep 06 j 16:58	0°♿		superior conj	-12141 Aug 04 j 03:35	17°♿13'55	0°29'32
evening rise	-12142 Sep 07 j 13:44	1°♿28'09		minimum elong	-12141 Aug 04 j 07:08	17°♿27'59	0°29'37
evening max el	-12142 Sep 25 j 15:37	29°♿15'25	18°16'42	desc. node	-12141 Aug 09 j 04:22	25°♿13'26	
	-12142 Sep 26 j 09:58	0°♿			-12141 Aug 12 j 04:08	0°♿	
asc. node	-12142 Oct 01 j 08:46	2°♿46'31		evening rise	-12141 Aug 19 j 18:15	12°♿14'00	
retrograde	-12142 Oct 02 j 06:18	2°♿50'46			-12141 Aug 30 j 19:13	0°♿	
evening set	-12142 Oct 04 j 23:28	2°♿12'13		evening max el	-12141 Sep 09 j 04:34	12°♿45'04	18°44'06
	-12142 Oct 08 j 03:13	30°♿		retrograde	-12141 Sep 15 j 22:33	16°♿31'35	
inferior conj	-12142 Oct 11 j 07:31	26°♿45'21	2°49'33	asc. node	-12141 Sep 18 j 05:53	16°♿01'37	
minimum elong	-12142 Oct 11 j 03:55	26°♿55'12	2°49'10	evening set	-12141 Sep 18 j 22:03	15°♿41'42	
min. Earth dist.	-12142 Oct 13 j 13:54	24°♿16'54	0.63577 AU	inferior conj	-12141 Sep 24 j 20:59	9°♿59'29	1°59'44
morning rise	-12142 Oct 17 j 07:32	20°♿45'57		minimum elong	-12141 Sep 24 j 18:16	10°♿07'36	1°59'30
direct	-12142 Oct 24 j 06:19	18°♿03'41		min. Earth dist.	-12141 Sep 26 j 14:31	7°♿55'20	0.64917 AU
morning max el	-12142 Nov 06 j 19:45	25°♿36'24	27°28'24	morning rise	-12141 Sep 30 j 13:57	3°♿49'13	
	-12142 Nov 10 j 23:07	0°♿		direct	-12141 Oct 07 j 03:43	1°♿06'30	
desc. node	-12142 Nov 18 j 07:03	9°♿16'00		morning max el	-12141 Oct 20 j 05:44	8°♿35'24	26°53'56
	-12142 Dec 01 j 14:54	0°♿		desc. node	-12141 Nov 05 j 03:46	28°♿30'58	
morning set	-12142 Dec 11 j 06:00	17°♿54'33			-12141 Nov 06 j 03:53	0°♿	
max. Earth dist.	-12142 Dec 16 j 11:40	28°♿38'06	1.33635 AU		-12141 Nov 23 j 22:02	0°♿	
	-12142 Dec 17 j 03:12	0°♿		morning set	-12141 Nov 24 j 18:28	1°♿37'30	
				max. Earth dist.	-12141 Nov 29 j 07:44	10°♿35'36	1.34670 AU
superior conj	-12142 Dec 18 j 23:06	3°♿53'20	-1°16'06				
minimum elong	-12142 Dec 19 j 01:08	4°♿04'14	1°15'53	superior conj	-12141 Dec 03 j 03:11	18°♿25'29	-1°28'48
evening rise	-12142 Dec 26 j 02:30	19°♿08'42		minimum elong	-12141 Dec 03 j 04:52	18°♿34'13	1°28'30
asc. node	-12142 Dec 28 j 06:30	23°♿37'32			-12141 Dec 08 j 15:16	0°♿	
	-12142 Dec 31 j 11:53	0°♿		evening rise	-12141 Dec 10 j 12:29	3°♿56'14	
evening max el	-12141 Jan 17 j 22:01	25°♿16'04	23°01'35	asc. node	-12141 Dec 15 j 03:53	13°♿16'34	
	-12141 Jan 24 j 11:59	0°♿			-12141 Dec 25 j 06:29	0°♿	
retrograde	-12141 Jan 31 j 00:57	1°♿36'37		evening max el	-12141 Dec 30 j 19:53	6°♿19'39	21°30'19
evening set	-12141 Feb 03 j 14:13	1°♿09'02		retrograde	-12140 Jan 11 j 15:48	11°♿54'35	
	-12141 Feb 06 j 20:17	30°♿		evening set	-12140 Jan 14 j 13:58	11°♿35'14	
min. Earth dist.	-12141 Feb 11 j 10:02	27°♿34'50	0.55731 AU	inferior conj	-12140 Jan 23 j 13:56	7°♿34'35	2°08'58
inferior conj	-12141 Feb 12 j 15:58	26°♿50'55	0°26'10	minimum elong	-12140 Jan 23 j 18:58	7°♿27'25	2°07'07
minimum elong	-12141 Feb 12 j 17:03	26°♿49'20	0°25'15	min. Earth dist.	-12140 Jan 24 j 00:14	7°♿19'53	0.55475 AU
desc. node	-12141 Feb 14 j 08:56	25°♿51'32		desc. node	-12140 Feb 01 j 05:42	3°♿34'37	
morning rise	-12141 Feb 21 j 21:34	22°♿47'23		morning rise	-12140 Feb 01 j 23:29	3°♿24'24	
direct	-12141 Feb 24 j 03:05	22°♿35'19		direct	-12140 Feb 04 j 18:33	3°♿06'58	
morning max el	-12141 Mar 07 j 04:07	27°♿50'31	20°32'47	morning max el	-12140 Feb 17 j 07:50	9°♿12'02	21°57'08
	-12141 Mar 09 j 06:13	0°♿			-12140 Mar 02 j 22:09	0°♿	
morning set	-12141 Mar 25 j 21:02	27°♿41'25		morning set	-12140 Mar 09 j 06:32	12°♿32'23	
asc. node	-12141 Mar 26 j 04:41	28°♿20'23		asc. node	-12140 Mar 12 j 01:45	18°♿24'07	
	-12141 Mar 27 j 00:09	0°♿					
superior conj	-12141 Apr 02 j 15:02	13°♿35'40	1°04'05	superior conj	-12140 Mar 16 j 14:52	27°♿58'47	0°41'28
minimum elong	-12141 Apr 02 j 12:25	13°♿22'21	1°03'00	minimum elong	-12140 Mar 16 j 13:07	27°♿49'34	0°40'27
					-12140 Mar 17 j 14:07	0°♿	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

max. Earth dist.	-12140 Mar 19 j 21:52	4° Z 47'04	1.34676 AU	superior conj	-12139 Feb 28 j 20:43	12° Z 43'09	0°17'58
evening rise	-12140 Mar 24 j 19:11	14° Z 29'42		minimum elong	-12139 Feb 28 j 19:59	12° Z 39'10	0°17'08
	-12140 Apr 02 j 06:53	0° \approx		max. Earth dist.	-12139 Mar 03 j 00:14	17° Z 17'03	1.33712 AU
	-12140 Apr 22 j 13:31	0° X		evening rise	-12139 Mar 08 j 12:37	28° Z 37'53	
evening max el	-12140 Apr 28 j 16:15	6° X 44'35	27°04'30		-12139 Mar 09 j 05:11	0° Z	
desc. node	-12140 Apr 29 j 05:13	7° X 15'59			-12139 Mar 26 j 11:10	0° \approx	
retrograde	-12140 May 11 j 23:39	14° X 16'10		evening max el	-12139 Apr 11 j 02:30	19° \approx 43'53	27°26'36
evening set	-12140 May 18 j 18:40	11° X 30'21		desc. node	-12139 Apr 16 j 02:28	23° \approx 57'57	
min. Earth dist.	-12140 May 22 j 14:04	7° X 41'43	0.64928 AU	retrograde	-12139 Apr 24 j 19:58	27° \approx 18'40	
inferior conj	-12140 May 24 j 14:46	5° X 20'20	-3°15'45	evening set	-12139 May 01 j 18:37	24° \approx 43'57	
minimum elong	-12140 May 24 j 16:22	5° X 15'41	3°15'53	min. Earth dist.	-12139 May 05 j 10:39	21° \approx 27'02	0.63411 AU
	-12140 May 30 j 04:19	30° R \approx		inferior conj	-12139 May 08 j 01:54	18° \approx 41'13	-3°25'43
morning rise	-12140 May 30 j 14:28	29° \approx 45'18		minimum elong	-12139 May 08 j 02:19	18° \approx 40'07	3°26'12
direct	-12140 Jun 02 j 14:48	28° \approx 55'33		morning rise	-12139 May 14 j 10:58	13° \approx 23'39	
	-12140 Jun 06 j 02:34	0° X		direct	-12139 May 17 j 06:01	12° \approx 44'38	
asc. node	-12140 Jun 08 j 02:05	1° X 28'14		morning max el	-12139 May 23 j 17:49	16° \approx 08'04	18°06'01
morning max el	-12140 Jun 09 j 04:20	2° X 30'17	18°26'46	asc. node	-12139 May 25 j 22:52	18° \approx 36'08	
	-12140 Jun 27 j 12:18	0° Y			-12139 Jun 02 j 14:01	0° X	
morning set	-12140 Jun 28 j 15:01	1° Y 50'28		morning set	-12139 Jun 10 j 05:12	13° X 05'08	
					-12139 Jun 20 j 03:18	0° Y	
superior conj	-12140 Jul 13 j 04:27	25° Y 30'09	1°10'36	superior conj	-12139 Jun 22 j 21:39	4° Y 35'11	1°37'49
minimum elong	-12140 Jul 13 j 11:03	25° Y 56'30	1°10'15	minimum elong	-12139 Jun 23 j 02:21	4° Y 54'33	1°37'35
max. Earth dist.	-12140 Jul 15 j 20:08	29° Y 43'30	1.44430 AU	max. Earth dist.	-12139 Jun 28 j 10:29	13° Y 35'51	1.43635 AU
	-12140 Jul 16 j 00:17	0° Z		evening rise	-12139 Jul 08 j 23:07	0° Z 13'29	
desc. node	-12140 Jul 26 j 01:47	15° Z 52'11			-12139 Jul 08 j 19:39	0° Z	
evening rise	-12140 Jul 29 j 19:18	21° Z 43'22		desc. node	-12139 Jul 12 j 23:14	6° Z 24'47	
	-12140 Aug 04 j 02:12	0° II			-12139 Jul 28 j 20:55	0° II	
greatest brilliancy	-12140 Aug 08 j 19:55	7° II 21'12	-0.8m	evening max el	-12139 Aug 05 j 17:31	9° II 43'07	20°27'20
evening max el	-12140 Aug 22 j 13:58	26° II 15'32	19°28'08	retrograde	-12139 Aug 13 j 15:02	14° II 19'42	
	-12140 Aug 27 j 17:46	0° Z		evening set	-12139 Aug 17 j 09:50	12° II 57'23	
retrograde	-12140 Aug 29 j 18:15	0° Z 22'20		asc. node	-12139 Aug 21 j 23:53	8° II 00'17	
	-12140 Aug 31 j 17:26	30° R II		inferior conj	-12139 Aug 22 j 19:53	6° II 53'28	0°15'43
evening set	-12140 Sep 02 j 02:20	29° II 17'48		minimum elong	-12139 Aug 22 j 19:31	6° II 54'42	0°16'14
asc. node	-12140 Sep 04 j 02:55	27° II 38'15		transit middle	-12139 Aug 22 j 19:31	6° II 54'42	0°16'14
inferior conj	-12140 Sep 07 j 17:53	23° II 23'13	1°07'37	transit begin	-12139 Aug 22 j 19:08	6° II 55'57	
minimum elong	-12140 Sep 07 j 16:20	23° II 28'12	1°07'44	transit end	-12139 Aug 22 j 19:53	6° II 53'26	
min. Earth dist.	-12140 Sep 08 j 23:17	21° II 49'03	0.65947 AU	min. Earth dist.	-12139 Aug 23 j 14:06	5° II 52'12	0.66671 AU
morning rise	-12140 Sep 13 j 06:01	17° II 05'43		morning rise	-12139 Aug 28 j 05:01	0° II 32'31	
direct	-12140 Sep 19 j 06:57	14° II 32'11			-12139 Aug 28 j 21:03	30° R Z	
morning max el	-12140 Oct 01 j 15:55	21° II 47'00	25°54'45	direct	-12139 Sep 02 j 15:40	28° Z 13'55	
	-12140 Oct 08 j 22:02	0° Z			-12139 Sep 07 j 24:00	0° II	
desc. node	-12140 Oct 22 j 00:32	18° Z 16'50		morning max el	-12139 Sep 14 j 01:49	5° II 02'49	24°39'03
	-12140 Oct 29 j 08:55	0° Z			-12139 Oct 03 j 09:03	0° Z	
morning set	-12140 Nov 06 j 16:43	14° Z 33'24		desc. node	-12139 Oct 08 j 21:24	8° Z 24'35	
max. Earth dist.	-12140 Nov 10 j 17:18	22° Z 06'45	1.36129 AU	morning set	-12139 Oct 19 j 19:40	26° Z 28'37	
	-12140 Nov 14 j 17:55	0° Z			-12139 Oct 21 j 19:37	0° Z	
superior conj	-12140 Nov 16 j 00:07	2° Z 31'32	-1°36'24	max. Earth dist.	-12139 Oct 23 j 18:34	3° Z 31'05	1.37935 AU
minimum elong	-12140 Nov 16 j 00:53	2° Z 35'24	1°36'02	superior conj	-12139 Oct 30 j 10:33	16° Z 01'35	-1°37'14
evening rise	-12140 Nov 23 j 19:27	18° Z 29'45		minimum elong	-12139 Oct 30 j 09:51	15° Z 58'08	1°36'43
	-12140 Nov 29 j 16:08	0° Z			-12139 Nov 06 j 12:32	0° Z	
asc. node	-12140 Dec 01 j 01:15	2° Z 30'35		evening rise	-12139 Nov 07 j 21:21	2° Z 43'10	
evening max el	-12140 Dec 12 j 02:19	17° Z 51'30	20°11'26	asc. node	-12139 Nov 17 j 22:36	21° Z 10'51	
retrograde	-12140 Dec 22 j 08:48	22° Z 41'01			-12139 Nov 24 j 20:00	0° Z	
evening set	-12140 Dec 24 j 23:58	22° Z 23'24		evening max el	-12139 Nov 24 j 19:02	29° Z 57'43	19°10'44
inferior conj	-12139 Jan 02 j 14:38	18° Z 22'01	3°29'14	retrograde	-12139 Dec 03 j 14:53	4° Z 10'20	
minimum elong	-12139 Jan 02 j 20:02	18° Z 13'48	3°27'58	evening set	-12139 Dec 06 j 03:03	3° Z 51'27	
min. Earth dist.	-12139 Jan 04 j 13:17	17° Z 11'14	0.56070 AU		-12139 Dec 13 j 15:39	30° R Z	
morning rise	-12139 Jan 11 j 14:21	13° Z 52'13		inferior conj	-12139 Dec 14 j 05:28	29° Z 36'16	4°10'40
direct	-12139 Jan 15 j 12:35	13° Z 18'13		minimum elong	-12139 Dec 14 j 07:42	29° Z 32'25	4°10'32
desc. node	-12139 Jan 18 j 02:23	13° Z 33'18		min. Earth dist.	-12139 Dec 17 j 03:04	27° Z 37'05	0.57370 AU
morning max el	-12139 Jan 29 j 02:08	20° Z 01'56	23°32'45	morning rise	-12139 Dec 22 j 10:17	24° Z 41'56	
	-12139 Feb 06 j 10:06	0° Z		direct	-12139 Dec 27 j 16:56	23° Z 37'10	
morning set	-12139 Feb 21 j 18:29	27° Z 34'18		desc. node	-12138 Jan 04 j 23:02	26° Z 12'37	
	-12139 Feb 22 j 22:10	0° Z			-12138 Jan 09 j 22:03	0° Z	
asc. node	-12139 Feb 26 j 22:54	8° Z 37'21		morning max el	-12138 Jan 10 j 16:51	0° Z 43'53	25°07'33

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12138 Jan 30 j 23:12	0°♌		morning max el	-12138 Dec 23 j 10:24	11°♏45'37	26°26'26
morning set	-12138 Feb 06 j 06:58	12°♌39'31			-12137 Jan 06 j 17:11	0°♏	
				morning set	-12137 Jan 21 j 18:15	27°♏41'32	
superior conj	-12138 Feb 13 j 06:20	27°♌40'23	-0°05'27		-12137 Jan 22 j 20:34	0°♌	
minimum elong	-12138 Feb 13 j 06:35	27°♌41'44	0°06'00				
behind sun begin	-12138 Feb 13 j 01:53	27°♌16'11		superior conj	-12137 Jan 28 j 17:53	12°♌44'06	-0°27'52
behind sun end	-12138 Feb 13 j 11:17	28°♌07'17		minimum elong	-12137 Jan 28 j 19:00	12°♌50'08	0°28'08
asc. node	-12138 Feb 13 j 20:06	28°♌55'01		max. Earth dist.	-12137 Jan 28 j 22:24	13°♌08'42	1.32805 AU
	-12138 Feb 14 j 08:06	0°♏		asc. node	-12137 Jan 31 j 17:21	19°♌12'59	
max. Earth dist.	-12138 Feb 14 j 09:30	0°♏07'33	1.33091 AU	evening rise	-12137 Feb 04 j 20:33	27°♌59'44	
evening rise	-12138 Feb 20 j 13:56	13°♏10'45			-12137 Feb 05 j 19:53	0°♏	
	-12138 Mar 01 j 09:03	0°♏			-12137 Feb 22 j 21:27	0°♏	
	-12138 Mar 22 j 05:04	0°♏		evening max el	-12137 Mar 06 j 12:09	14°♏07'57	26°35'03
evening max el	-12138 Mar 24 j 09:43	2°♏13'52	27°17'09	retrograde	-12137 Mar 20 j 15:17	21°♏32'00	
desc. node	-12138 Apr 02 j 23:39	8°♏54'27		desc. node	-12137 Mar 20 j 20:44	21°♏31'52	
retrograde	-12138 Apr 07 j 09:42	9°♏46'12		evening set	-12137 Mar 26 j 18:19	19°♏54'55	
evening set	-12138 Apr 14 j 03:28	7°♏35'38		min. Earth dist.	-12137 Mar 31 j 01:36	17°♏04'14	0.59584 AU
min. Earth dist.	-12138 Apr 17 j 22:10	4°♏39'04	0.61571 AU	inferior conj	-12137 Apr 03 j 09:43	14°♏22'26	-2°51'55
inferior conj	-12138 Apr 21 j 01:24	1°♏44'32	-3°19'39	minimum elong	-12137 Apr 03 j 06:44	14°♏28'30	2°52'07
minimum elong	-12138 Apr 21 j 00:07	1°♏47'32	3°20'11	morning rise	-12137 Apr 10 j 21:55	9°♏43'45	
	-12138 Apr 22 j 23:33	30°♏		direct	-12137 Apr 13 j 07:53	9°♏22'01	
morning rise	-12138 Apr 27 j 22:36	26°♏46'11		morning max el	-12137 Apr 20 j 18:44	12°♏59'02	18°20'10
direct	-12138 Apr 30 j 13:02	26°♏16'31		asc. node	-12137 Apr 29 j 16:29	25°♏20'57	
morning max el	-12138 May 07 j 07:33	29°♏40'15	18°03'37		-12137 May 02 j 07:32	0°♏	
	-12138 May 07 j 15:31	0°♏		morning set	-12137 May 06 j 21:04	8°♏29'39	
asc. node	-12138 May 12 j 19:39	6°♏37'49					
morning set	-12138 May 23 j 16:48	25°♏21'48		superior conj	-12137 May 16 j 14:27	26°♏38'26	1°46'08
	-12138 May 26 j 06:17	0°♏		minimum elong	-12137 May 16 j 12:39	26°♏30'14	1°45'39
					-12137 May 18 j 11:09	0°♏	
superior conj	-12138 Jun 03 j 17:21	14°♏58'41	1°48'43	max. Earth dist.	-12137 May 23 j 22:34	9°♏35'38	1.40526 AU
minimum elong	-12138 Jun 03 j 18:17	15°♏02'42	1°48'29	evening rise	-12137 May 28 j 23:36	18°♏03'51	
max. Earth dist.	-12138 Jun 10 j 19:24	26°♏56'19	1.42266 AU		-12137 Jun 05 j 10:31	0°♏	
	-12138 Jun 12 j 16:10	0°♏		desc. node	-12137 Jun 16 j 18:12	16°♏54'35	
evening rise	-12138 Jun 18 j 01:30	8°♏39'36			-12137 Jun 26 j 12:02	0°♏	
desc. node	-12138 Jun 29 j 20:42	26°♏47'19		evening max el	-12137 Jul 02 j 04:20	6°♏26'50	22°59'35
	-12138 Jul 02 j 00:46	0°♏		retrograde	-12137 Jul 12 j 04:36	12°♏23'25	
evening max el	-12138 Jul 19 j 14:03	23°♏06'30	21°39'15	evening set	-12137 Jul 17 j 02:09	10°♏19'39	
retrograde	-12138 Jul 28 j 11:00	28°♏21'08		inferior conj	-12137 Jul 22 j 07:16	4°♏05'31	-1°20'24
evening set	-12138 Aug 01 j 18:25	26°♏38'36		minimum elong	-12137 Jul 22 j 08:49	4°♏00'10	1°19'28
inferior conj	-12138 Aug 07 j 00:57	20°♏28'17	-0°34'06	min. Earth dist.	-12137 Jul 22 j 04:22	4°♏15'32	0.67240 AU
minimum elong	-12138 Aug 07 j 01:39	20°♏25'52	0°33'17		-12137 Jul 25 j 10:30	30°♏	
min. Earth dist.	-12138 Aug 07 j 08:39	20°♏01'46	0.67101 AU	asc. node	-12137 Jul 26 j 17:37	28°♏37'20	
asc. node	-12138 Aug 08 j 20:46	17°♏59'36		morning rise	-12137 Jul 27 j 15:23	27°♏49'18	
morning rise	-12138 Aug 12 j 08:46	14°♏07'47		direct	-12137 Jul 31 j 23:13	26°♏06'24	
direct	-12138 Aug 17 j 05:24	12°♏06'46			-12137 Aug 08 j 11:17	0°♏	
morning max el	-12138 Aug 27 j 12:32	18°♏18'49	23°15'44	morning max el	-12137 Aug 10 j 02:35	1°♏35'43	21°53'03
	-12138 Sep 06 j 05:33	0°♏			-12137 Aug 31 j 04:26	0°♏	
desc. node	-12138 Sep 25 j 18:20	28°♏47'37		morning set	-12137 Sep 10 j 22:32	16°♏37'08	
	-12138 Sep 26 j 12:28	0°♏		desc. node	-12137 Sep 12 j 15:22	19°♏20'18	
morning set	-12138 Sep 30 j 22:15	7°♏10'58		max. Earth dist.	-12137 Sep 17 j 19:50	27°♏48'00	1.41799 AU
max. Earth dist.	-12138 Oct 05 j 17:20	15°♏17'44	1.39909 AU		-12137 Sep 19 j 03:32	0°♏	
superior conj	-12138 Oct 13 j 06:07	28°♏43'39	-1°29'17	superior conj	-12137 Sep 25 j 05:15	10°♏22'09	-1°10'18
minimum elong	-12138 Oct 13 j 03:34	28°♏31'52	1°28'30	minimum elong	-12137 Sep 25 j 01:13	10°♏04'36	1°09'11
	-12138 Oct 13 j 22:41	0°♏		evening rise	-12137 Oct 05 j 22:51	29°♏40'57	
evening rise	-12138 Oct 22 j 15:37	16°♏30'01			-12137 Oct 06 j 03:00	0°♏	
	-12138 Oct 29 j 22:14	0°♏		evening max el	-12137 Oct 22 j 06:09	25°♏36'56	18°09'54
asc. node	-12138 Nov 04 j 19:55	9°♏06'43		asc. node	-12137 Oct 22 j 17:13	26°♏03'36	
evening max el	-12138 Nov 07 j 21:11	12°♏35'45	18°30'15	retrograde	-12137 Oct 29 j 06:15	29°♏11'52	
retrograde	-12138 Nov 15 j 14:26	16°♏23'35		evening set	-12137 Oct 31 j 18:18	28°♏45'01	
evening set	-12138 Nov 18 j 01:41	16°♏01'33		inferior conj	-12137 Nov 07 j 19:40	23°♏48'12	3°53'41
inferior conj	-12138 Nov 25 j 15:23	11°♏26'20	4°15'20	minimum elong	-12137 Nov 07 j 16:18	23°♏55'53	3°53'36
minimum elong	-12138 Nov 25 j 14:04	11°♏28'58	4°15'32	min. Earth dist.	-12137 Nov 10 j 20:01	21°♏04'19	0.60951 AU
min. Earth dist.	-12138 Nov 28 j 20:20	8°♏54'35	0.59098 AU	morning rise	-12137 Nov 14 j 12:56	18°♏13'10	
morning rise	-12138 Dec 03 j 00:38	6°♏10'02		direct	-12137 Nov 21 j 11:44	15°♏57'38	
direct	-12138 Dec 09 j 09:21	4°♏27'18		morning max el	-12137 Dec 05 j 09:59	23°♏22'40	27°17'22
desc. node	-12138 Dec 22 j 19:39	11°♏10'55		desc. node	-12137 Dec 09 j 16:16	27°♏53'25	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12137 Dec 11 j 10:56	0°♎		morning max el	-12136 Nov 16 j 15:33	5°♊38'33	27°34'13
	-12137 Dec 30 j 17:41	0°♏		desc. node	-12136 Nov 25 j 12:54	15°♊51'17	
morning set	-12136 Jan 06 j 02:24	12°♏32'38			-12136 Dec 05 j 06:04	0°♎	
max. Earth dist.	-12136 Jan 12 j 11:21	26°♏07'32	1.32850 AU	morning set	-12136 Dec 20 j 05:14	27°♎05'08	
					-12136 Dec 21 j 15:33	0°♏	
superior conj	-12136 Jan 13 j 05:40	27°♏47'21	-0°48'38	max. Earth dist.	-12136 Dec 25 j 20:42	8°♏51'14	1.33244 AU
minimum elong	-12136 Jan 13 j 07:24	27°♏56'46	0°48'39				
	-12136 Jan 14 j 05:59	0°♎		superior conj	-12136 Dec 27 j 16:00	12°♏43'56	-1°06'58
asc. node	-12136 Jan 18 j 14:40	9°♎26'44		minimum elong	-12136 Dec 27 j 18:02	12°♏54'57	1°06'49
evening rise	-12136 Jan 20 j 06:21	12°♎56'38		evening rise	-12135 Jan 03 j 17:33	27°♏54'53	
	-12136 Jan 29 j 00:18	0°♏		asc. node	-12135 Jan 04 j 12:03	29°♏31'32	
evening max el	-12136 Feb 16 j 09:14	25°♏26'45	25°24'36		-12135 Jan 04 j 17:32	0°♎	
	-12136 Feb 22 j 04:34	0°♏			-12135 Jan 22 j 08:48	0°♏	
retrograde	-12136 Mar 01 j 10:16	2°♏34'56		evening max el	-12135 Jan 28 j 02:40	6°♏21'48	23°55'39
evening set	-12136 Mar 06 j 14:25	1°♏31'59		retrograde	-12135 Feb 10 j 16:51	13°♏03'33	
desc. node	-12136 Mar 06 j 17:43	1°♏28'40		evening set	-12135 Feb 14 j 19:25	12°♏26'15	
	-12136 Mar 09 j 16:27	30°♎♏		min. Earth dist.	-12135 Feb 21 j 15:49	9°♏08'58	0.56261 AU
min. Earth dist.	-12136 Mar 11 j 22:48	28°♏33'46	0.57711 AU	desc. node	-12135 Feb 21 j 14:38	9°♏10'45	
inferior conj	-12136 Mar 14 j 23:33	26°♏26'41	-1°56'39	inferior conj	-12135 Feb 23 j 17:40	7°♏52'16	-0°32'11
minimum elong	-12136 Mar 14 j 20:06	26°♏32'45	1°56'30	minimum elong	-12135 Feb 23 j 16:23	7°♏54'16	0°32'26
morning rise	-12136 Mar 23 j 04:59	22°♏06'37		morning rise	-12135 Mar 04 j 15:59	3°♏46'06	
direct	-12136 Mar 25 j 10:51	21°♏50'56		direct	-12135 Mar 06 j 19:54	3°♏33'50	
morning max el	-12136 Apr 03 j 00:24	25°♏55'24	18°56'15	morning max el	-12135 Mar 16 j 21:36	8°♏19'44	19°52'06
	-12136 Apr 06 j 14:54	0°♏			-12135 Mar 31 j 06:27	0°♏	
asc. node	-12136 Apr 15 j 13:24	14°♏35'57		asc. node	-12135 Apr 02 j 10:22	4°♏14'44	
morning set	-12136 Apr 19 j 13:39	22°♏18'18		morning set	-12135 Apr 03 j 14:56	6°♏37'34	
	-12136 Apr 23 j 11:50	0°♏					
superior conj	-12136 Apr 28 j 07:52	9°♏21'19	1°34'07	superior conj	-12135 Apr 11 j 16:17	22°♏52'34	1°16'08
minimum elong	-12136 Apr 28 j 04:55	9°♏07'14	1°33'19	minimum elong	-12135 Apr 11 j 13:20	22°♏37'54	1°15'05
max. Earth dist.	-12136 May 04 j 22:57	21°♏37'59	1.38652 AU	max. Earth dist.	-12135 Apr 15 j 07:39	0°♏	
evening rise	-12136 May 09 j 01:17	28°♏51'03		evening rise	-12135 Apr 17 j 01:41	3°♏20'38	1.36880 AU
	-12136 May 09 j 17:18	0°♏			-12135 Apr 21 j 03:41	10°♏54'16	
	-12136 May 28 j 20:07	0°♏			-12135 May 02 j 08:54	0°♏	
desc. node	-12136 Jun 02 j 15:43	6°♏40'07		desc. node	-12135 May 20 j 13:12	25°♏54'18	
evening max el	-12136 Jun 13 j 14:54	19°♏47'25	24°21'49		-12135 May 24 j 01:03	0°♏	
retrograde	-12136 Jun 24 j 18:48	26°♏23'34		evening max el	-12135 May 27 j 00:31	3°♏08'50	25°37'55
evening set	-12136 Jun 30 j 07:09	23°♏59'44		retrograde	-12135 Jun 08 j 04:49	10°♏16'10	
min. Earth dist.	-12136 Jul 04 j 22:54	18°♏32'06	0.67065 AU	evening set	-12135 Jun 14 j 07:21	7°♏36'42	
inferior conj	-12136 Jul 05 j 13:04	17°♏44'03	-2°01'49	min. Earth dist.	-12135 Jun 18 j 13:52	2°♏48'04	0.66537 AU
minimum elong	-12136 Jul 05 j 15:11	17°♏36'54	2°00'59	inferior conj	-12135 Jun 19 j 16:32	1°♏21'24	-2°37'03
morning rise	-12136 Jul 10 j 23:09	11°♏35'41		minimum elong	-12135 Jun 19 j 18:49	1°♏13'56	2°36'31
asc. node	-12136 Jul 12 j 14:24	10°♏38'12			-12135 Jun 20 j 17:50	30°♎♏	
direct	-12136 Jul 14 j 19:51	10°♏10'02		morning rise	-12135 Jun 25 j 06:20	25°♏24'01	
morning max el	-12136 Jul 22 j 22:25	14°♏57'51	20°37'51	direct	-12135 Jun 28 j 17:41	24°♏13'59	
	-12136 Aug 03 j 12:30	0°♏		asc. node	-12135 Jun 29 j 11:09	24°♏16'57	
morning set	-12136 Aug 20 j 04:24	25°♏13'10		morning max el	-12135 Jul 06 j 00:49	28°♏26'35	19°34'46
	-12136 Aug 23 j 05:46	0°♏			-12135 Jul 07 j 11:07	0°♏	
desc. node	-12136 Aug 29 j 12:32	9°♏59'06			-12135 Jul 27 j 23:11	0°♏	
max. Earth dist.	-12136 Aug 30 j 05:03	11°♏05'36	1.43332 AU	morning set	-12135 Jul 30 j 09:56	3°♏49'55	
				max. Earth dist.	-12135 Aug 12 j 19:27	24°♏55'51	1.44294 AU
superior conj	-12136 Sep 05 j 02:30	20°♏43'58	-0°38'50	superior conj	-12135 Aug 15 j 20:30	29°♏46'57	0°03'20
minimum elong	-12136 Sep 04 j 23:01	20°♏29'32	0°37'42	minimum elong	-12135 Aug 15 j 20:57	29°♏48'47	0°03'52
	-12136 Sep 10 j 14:45	0°♏		behind sun begin	-12135 Aug 15 j 10:08	29°♏05'32	
evening rise	-12136 Sep 17 j 14:44	12°♏06'30		behind sun end	-12135 Aug 16 j 07:46	0°♏32'05	
	-12136 Sep 28 j 02:48	0°♏			-12135 Aug 15 j 23:45	0°♏	
evening max el	-12136 Oct 04 j 18:59	8°♏53'56	18°08'50	desc. node	-12135 Aug 16 j 09:50	0°♏40'22	
asc. node	-12136 Oct 08 j 14:26	11°♏45'58		evening rise	-12135 Aug 30 j 09:46	23°♏32'51	
retrograde	-12136 Oct 11 j 10:47	12°♏26'29			-12135 Sep 03 j 06:43	0°♏	
evening set	-12136 Oct 14 j 01:30	11°♏52'49		evening max el	-12135 Sep 18 j 08:39	22°♏20'11	18°26'10
inferior conj	-12136 Oct 20 j 15:28	6°♏35'49	3°15'47	retrograde	-12135 Sep 24 j 23:53	25°♏59'25	
minimum elong	-12136 Oct 20 j 11:38	6°♏45'41	3°15'26	asc. node	-12135 Sep 25 j 11:34	25°♏58'08	
min. Earth dist.	-12136 Oct 23 j 04:57	3°♏58'05	0.62692 AU	evening set	-12135 Sep 27 j 19:28	25°♏16'23	
morning rise	-12136 Oct 26 j 20:49	0°♏44'32		inferior conj	-12135 Oct 03 j 23:25	19°♏42'18	2°28'55
	-12136 Oct 27 j 22:58	30°♎♏		minimum elong	-12135 Oct 03 j 20:08	19°♏51'38	2°28'33
direct	-12136 Nov 02 j 22:05	28°♏08'26		min. Earth dist.	-12135 Oct 06 j 00:10	17°♏23'28	0.64183 AU
	-12136 Nov 09 j 08:16	0°♏		morning rise	-12135 Oct 09 j 20:07	13°♏37'42	



































































































































Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

direct	-12135 Oct 16 j 15:31	10° ☿ 54'12				-12134 Oct 10 j 20:30	0° ☿		
morning max el	-12135 Oct 30 j 00:56	18° ☿ 26'12	27°17'19		morning max el	-12134 Oct 12 j 11:21	1° ☿ 32'31	26°31'23	
	-12135 Nov 08 j 23:08	0° ♊			desc. node	-12134 Oct 30 j 06:19	24° ☿ 12'17		
desc. node	-12135 Nov 12 j 09:36	4° ♊ 42'57				-12134 Nov 03 j 01:02	0° ♊		
	-12135 Nov 28 j 01:45	0° ♋			morning set	-12134 Nov 17 j 07:02	24° ♊ 35'04		
morning set	-12135 Dec 04 j 00:01	11° ♋ 10'01				-12134 Nov 20 j 02:53	0° ♋		
max. Earth dist.	-12135 Dec 08 j 22:44	21° ♋ 08'47	1.34026 AU		max. Earth dist.	-12134 Nov 21 j 14:18	2° ♋ 53'47	1.35235 AU	
superior conj	-12135 Dec 11 j 23:00	27° ♋ 27'30	-1°22'02		superior conj	-12134 Nov 26 j 00:23	11° ♋ 49'41	-1°32'45	
minimum elong	-12135 Dec 12 j 00:57	27° ♋ 37'49	1°21'46		minimum elong	-12134 Nov 26 j 01:45	11° ♋ 56'42	1°32'26	
	-12135 Dec 13 j 03:44	0° ♌			evening rise	-12134 Dec 03 j 18:24	27° ♋ 30'45		
evening rise	-12135 Dec 19 j 04:29	12° ♌ 48'29				-12134 Dec 04 j 18:32	0° ♌		
asc. node	-12135 Dec 22 j 09:25	19° ♌ 22'10			asc. node	-12134 Dec 09 j 06:48	8° ♌ 51'41		
	-12135 Dec 28 j 01:44	0° ♍			evening max el	-12134 Dec 22 j 22:21	28° ♌ 30'19	20°54'49	
evening max el	-12134 Jan 09 j 21:15	17° ♍ 15'55	22°21'41			-12134 Dec 24 j 15:47	0° ♍		
retrograde	-12134 Jan 22 j 12:24	23° ♍ 18'29			retrograde	-12133 Jan 03 j 03:00	3° ♍ 45'40		
evening set	-12134 Jan 25 j 18:07	22° ♍ 55'24			evening set	-12133 Jan 05 j 21:07	3° ♍ 27'48		
inferior conj	-12134 Feb 03 j 20:14	18° ♍ 46'24	1°10'50			-12133 Jan 13 j 20:17	30° ♌ 0		
minimum elong	-12134 Feb 03 j 23:12	18° ♍ 42'08	1°09'23		inferior conj	-12133 Jan 14 j 17:46	29° ♌ 28'51	2°47'11	
min. Earth dist.	-12134 Feb 03 j 06:47	19° ♍ 05'41	0.55513 AU		minimum elong	-12133 Jan 14 j 23:30	29° ♌ 20'30	2°45'23	
desc. node	-12134 Feb 08 j 11:26	16° ♍ 17'24			min. Earth dist.	-12133 Jan 15 j 20:43	28° ♌ 49'40	0.55625 AU	
morning rise	-12134 Feb 13 j 05:12	14° ♍ 42'22			morning rise	-12133 Jan 24 j 00:42	25° ♌ 11'08		
direct	-12134 Feb 15 j 14:33	14° ♍ 29'09			desc. node	-12133 Jan 26 j 08:10	24° ♌ 50'16		
morning max el	-12134 Feb 27 j 08:05	20° ♍ 05'44	21°06'51		direct	-12133 Jan 27 j 05:38	24° ♌ 48'28		
	-12134 Mar 07 j 07:14	0° ♎				-12133 Feb 07 j 23:34	0° ♍		
morning set	-12134 Mar 18 j 22:07	21° ♎ 19'31			morning max el	-12133 Feb 09 j 07:29	1° ♍ 12'34	22°36'57	
asc. node	-12134 Mar 20 j 07:26	24° ♎ 11'23				-12133 Feb 28 j 07:17	0° ♎		
	-12134 Mar 23 j 02:25	0° ♏			morning set	-12133 Mar 03 j 08:52	6° ♎ 15'44		
					asc. node	-12133 Mar 07 j 04:33	14° ♎ 19'44		
superior conj	-12134 Mar 26 j 11:31	7° ♏ 00'23	0°54'42		superior conj	-12133 Mar 10 j 14:13	21° ♎ 33'38	0°31'33	
minimum elong	-12134 Mar 26 j 09:13	6° ♏ 48'36	0°53'36		minimum elong	-12133 Mar 10 j 12:53	21° ♎ 26'35	0°30'36	
max. Earth dist.	-12134 Mar 30 j 12:13	15° ♏ 09'53	1.35380 AU		max. Earth dist.	-12133 Mar 13 j 08:52	27° ♎ 22'40	1.34223 AU	
evening rise	-12134 Apr 04 j 01:15	23° ♏ 58'27				-12133 Mar 14 j 15:25	0° ♏		
	-12134 Apr 07 j 07:20	0° ♐			evening rise	-12133 Mar 18 j 12:39	7° ♏ 47'06		
	-12134 Apr 25 j 22:26	0° ♑				-12133 Mar 30 j 20:43	0° ♐		
desc. node	-12134 May 07 j 10:36	14° ♑ 24'28			evening max el	-12133 Apr 21 j 21:36	29° ♏ 38'28	27°17'32	
evening max el	-12134 May 09 j 10:49	16° ♑ 28'31	26°39'08			-12133 Apr 22 j 06:29	0° ♑		
retrograde	-12134 May 22 j 10:11	23° ♑ 55'17			desc. node	-12133 Apr 24 j 07:54	1° ♑ 52'35		
evening set	-12134 May 29 j 00:24	21° ♑ 08'21			retrograde	-12133 May 05 j 10:12	7° ♑ 13'07		
min. Earth dist.	-12134 Jun 01 j 23:09	16° ♑ 58'45	0.65628 AU		evening set	-12133 May 12 j 07:30	4° ♑ 30'23		
inferior conj	-12134 Jun 03 j 15:36	14° ♑ 55'32	-3°04'27		min. Earth dist.	-12133 May 16 j 00:54	0° ♑ 56'09	0.64322 AU	
minimum elong	-12134 Jun 03 j 17:37	14° ♑ 49'23	3°04'20			-12133 May 16 j 21:15	30° ♑ 0		
morning rise	-12134 Jun 09 j 11:05	9° ♑ 11'45			inferior conj	-12133 May 18 j 07:54	28° ♑ 22'42	-3°21'43	
direct	-12134 Jun 12 j 14:53	8° ♑ 15'18			minimum elong	-12133 May 18 j 09:04	28° ♑ 19'26	3°22'00	
asc. node	-12134 Jun 16 j 07:55	9° ♑ 28'27			morning rise	-12133 May 24 j 11:16	22° ♑ 54'50		
morning max el	-12134 Jun 19 j 08:59	12° ♑ 01'20	18°46'45		direct	-12133 May 27 j 09:07	22° ♑ 10'00		
	-12134 Jul 02 j 03:37	0° ♒			morning max el	-12133 Jun 02 j 21:08	25° ♑ 38'59	18°15'41	
morning set	-12134 Jul 10 j 08:52	13° ♒ 14'45			asc. node	-12133 Jun 03 j 04:41	25° ♑ 58'17		
	-12134 Jul 20 j 19:45	0° ♓				-12133 Jun 06 j 12:52	0° ♑		
superior conj	-12134 Jul 25 j 21:32	8° ♓ 02'51	0°48'10		morning set	-12133 Jun 21 j 08:52	23° ♑ 49'10		
minimum elong	-12134 Jul 26 j 02:58	8° ♓ 24'21	0°47'59			-12133 Jun 25 j 01:12	0° ♒		
max. Earth dist.	-12134 Jul 26 j 11:49	8° ♓ 59'23	1.44578 AU		superior conj	-12133 Jul 05 j 03:13	16° ♒ 33'54	1°24'11	
desc. node	-12134 Aug 03 j 07:11	21° ♓ 20'43			minimum elong	-12133 Jul 05 j 09:31	16° ♒ 59'18	1°23'51	
	-12134 Aug 08 j 17:55	0° ♒			max. Earth dist.	-12133 Jul 09 j 03:18	22° ♒ 59'11	1.44163 AU	
evening rise	-12134 Aug 11 j 02:36	3° ♒ 45'58				-12133 Jul 13 j 13:29	0° ♓		
	-12134 Aug 28 j 01:34	0° ☿			desc. node	-12133 Jul 21 j 04:35	11° ♓ 57'10		
evening max el	-12134 Sep 01 j 20:19	5° ☿ 50'08	19°00'53		evening rise	-12133 Jul 21 j 16:56	12° ♓ 45'15		
retrograde	-12134 Sep 08 j 18:02	9° ☿ 44'37				-12133 Aug 01 j 21:32	0° ♒		
evening set	-12134 Sep 11 j 20:47	8° ☿ 49'04			greatest brilliancy	-12133 Aug 03 j 00:48	1° ♒ 42'53	-0.7m	
asc. node	-12134 Sep 12 j 08:37	8° ☿ 30'16			evening max el	-12133 Aug 16 j 03:28	19° ♒ 19'55	19°51'41	
inferior conj	-12134 Sep 17 j 16:21	3° ☿ 01'08	1°37'45		retrograde	-12133 Aug 23 j 14:23	23° ♒ 38'23		
minimum elong	-12134 Sep 17 j 14:07	3° ☿ 08'03	1°37'40		evening set	-12133 Aug 27 j 02:42	22° ♒ 26'50		
min. Earth dist.	-12134 Sep 19 j 04:38	1° ☿ 09'04	0.65384 AU		asc. node	-12133 Aug 30 j 05:36	19° ♒ 30'42		
	-12134 Sep 20 j 03:42	30° ♒ 0			inferior conj	-12133 Sep 01 j 15:41	16° ♒ 28'11	0°45'29	
morning rise	-12134 Sep 23 j 06:59	26° ♒ 47'02			minimum elong	-12133 Sep 01 j 14:39	16° ♒ 31'35	0°45'46	
direct	-12134 Sep 29 j 15:30	24° ♒ 07'12							

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

min. Earth dist.	-12133 Sep 02 j 16:20	15° Π 07'23	0.66286 AU	transit begin	-12132 Aug 15 j 16:43	0° Π 08'22	
morning rise	-12133 Sep 07 j 02:18	10° Π 08'37		transit end	-12132 Aug 15 j 21:53	29° \mathcal{B} 50'45	
direct	-12133 Sep 12 j 21:19	7° Π 40'35			-12132 Aug 15 j 19:10	30° \mathcal{R} 8	
morning max el	-12133 Sep 24 j 21:12	14° Π 46'20	25°24'02	asc. node	-12132 Aug 16 j 02:32	29° \mathcal{B} 34'56	
	-12133 Oct 07 j 10:42	0° \mathcal{C}		min. Earth dist.	-12132 Aug 16 j 08:56	29° \mathcal{B} 13'10	0.66892 AU
desc. node	-12133 Oct 17 j 03:08	14° \mathcal{C} 08'30		morning rise	-12132 Aug 21 j 03:35	23° \mathcal{B} 38'54	
	-12133 Oct 26 j 20:32	0° Ω		direct	-12132 Aug 26 j 08:18	21° \mathcal{B} 27'26	
morning set	-12133 Oct 30 j 21:44	7° Ω 07'08		morning max el	-12132 Sep 06 j 06:58	28° \mathcal{B} 01'07	24°04'01
max. Earth dist.	-12133 Nov 03 j 19:24	14° Ω 17'05	1.36858 AU		-12132 Sep 08 j 03:58	0° Π	
					-12132 Sep 30 j 04:34	0° \mathcal{C}	
superior conj	-12133 Nov 09 j 17:19	25° Ω 42'03	-1°37'42	desc. node	-12132 Oct 03 j 00:01	4° \mathcal{C} 23'01	
minimum elong	-12133 Nov 09 j 17:32	25° Ω 43'04	1°37'17	morning set	-12132 Oct 11 j 14:45	18° \mathcal{C} 31'33	
	-12133 Nov 11 j 20:59	0° \mathcal{M}		max. Earth dist.	-12132 Oct 15 j 18:40	25° \mathcal{C} 46'34	1.38772 AU
evening rise	-12133 Nov 17 j 18:28	11° \mathcal{M} 56'20			-12132 Oct 18 j 03:07	0° Ω	
asc. node	-12133 Nov 26 j 04:08	27° \mathcal{M} 52'26					
	-12133 Nov 27 j 10:52	0° \mathcal{L}		superior conj	-12132 Oct 22 j 22:01	8° Ω 53'01	-1°35'05
evening max el	-12133 Dec 05 j 09:15	10° \mathcal{L} 17'19	19°43'16	minimum elong	-12132 Oct 22 j 20:32	8° Ω 46'00	1°34'28
retrograde	-12133 Dec 15 j 00:06	14° \mathcal{L} 49'11		evening rise	-12132 Oct 31 j 17:25	25° Ω 58'45	
evening set	-12133 Dec 17 j 13:44	14° \mathcal{L} 31'17			-12132 Nov 02 j 19:00	0° \mathcal{M}	
inferior conj	-12133 Dec 25 j 23:26	10° \mathcal{L} 25'38	3°51'42	asc. node	-12132 Nov 12 j 01:27	16° \mathcal{M} 14'48	
minimum elong	-12133 Dec 26 j 03:45	10° \mathcal{L} 18'44	3°50'59	evening max el	-12132 Nov 17 j 06:14	22° \mathcal{M} 37'29	18°51'01
min. Earth dist.	-12133 Dec 28 j 10:02	8° \mathcal{L} 52'35	0.56558 AU	retrograde	-12132 Nov 25 j 13:20	26° \mathcal{M} 37'46	
morning rise	-12132 Jan 03 j 15:41	5° \mathcal{L} 45'15		evening set	-12132 Nov 28 j 01:08	26° \mathcal{M} 17'34	
direct	-12132 Jan 08 j 04:04	4° \mathcal{L} 59'25		inferior conj	-12132 Dec 05 j 22:06	21° \mathcal{M} 54'08	4°16'35
desc. node	-12132 Jan 13 j 04:52	5° \mathcal{L} 57'30		minimum elong	-12132 Dec 05 j 22:42	21° \mathcal{M} 53'01	4°16'42
morning max el	-12132 Jan 21 j 23:16	11° \mathcal{L} 55'01	24°13'51	min. Earth dist.	-12132 Dec 09 j 00:32	19° \mathcal{M} 39'01	0.58077 AU
	-12132 Feb 04 j 15:59	0° \mathcal{M}		morning rise	-12132 Dec 13 j 18:22	16° \mathcal{M} 50'25	
morning set	-12132 Feb 15 j 21:14	21° \mathcal{M} 19'22		direct	-12132 Dec 19 j 13:34	15° \mathcal{M} 29'42	
	-12132 Feb 19 j 22:48	0° \mathcal{J}		desc. node	-12132 Dec 30 j 01:31	19° \mathcal{M} 39'37	
asc. node	-12132 Feb 22 j 01:43	4° \mathcal{J} 35'05		morning max el	-12131 Jan 02 j 14:19	22° \mathcal{M} 41'25	25°43'53
					-12131 Jan 09 j 02:59	0° \mathcal{L}	
superior conj	-12132 Feb 22 j 21:54	6° \mathcal{J} 24'00	0°07'58		-12131 Jan 27 j 06:37	0° \mathcal{M}	
minimum elong	-12132 Feb 22 j 21:36	6° \mathcal{J} 22'19	0°07'16	morning set	-12131 Jan 30 j 09:28	6° \mathcal{M} 24'11	
behind sun begin	-12132 Feb 22 j 17:00	5° \mathcal{J} 57'35					
behind sun end	-12132 Feb 23 j 02:11	6° \mathcal{J} 47'03		superior conj	-12131 Feb 06 j 08:34	21° \mathcal{M} 24'43	-0°15'07
max. Earth dist.	-12132 Feb 24 j 14:31	10° \mathcal{J} 01'58	1.33414 AU	minimum elong	-12131 Feb 06 j 09:12	21° \mathcal{M} 28'11	0°15'33
evening rise	-12132 Mar 01 j 09:49	22° \mathcal{J} 07'01		behind sun begin	-12131 Feb 06 j 08:26	21° \mathcal{M} 23'58	
	-12132 Mar 05 j 10:22	0° \mathcal{Z}		behind sun end	-12131 Feb 06 j 09:59	21° \mathcal{M} 32'24	
	-12132 Mar 23 j 18:09	0° \approx		max. Earth dist.	-12131 Feb 07 j 02:01	22° \mathcal{M} 59'46	1.32936 AU
evening max el	-12132 Apr 03 j 07:04	12° \approx 27'04	27°26'39	asc. node	-12131 Feb 07 j 22:57	24° \mathcal{M} 53'23	
desc. node	-12132 Apr 10 j 05:08	17° \approx 53'30			-12131 Feb 10 j 07:55	0° \mathcal{J}	
retrograde	-12132 Apr 17 j 03:53	20° \approx 01'02		evening rise	-12131 Feb 13 j 13:43	6° \mathcal{J} 48'04	
evening set	-12132 Apr 24 j 01:24	17° \approx 35'32			-12131 Feb 26 j 00:17	0° \mathcal{Z}	
min. Earth dist.	-12132 Apr 27 j 17:47	14° \approx 28'32	0.62657 AU	evening max el	-12131 Mar 16 j 12:40	24° \mathcal{Z} 43'16	27°03'06
inferior conj	-12132 Apr 30 j 14:30	11° \approx 36'59	-3°25'27		-12131 Mar 23 j 07:12	0° \approx	
minimum elong	-12132 Apr 30 j 14:14	11° \approx 37'38	3°26'00	desc. node	-12131 Mar 28 j 02:17	1° \approx 55'32	
morning rise	-12132 May 07 j 04:21	6° \approx 27'06		retrograde	-12131 Mar 30 j 14:02	2° \approx 11'50	
direct	-12132 May 09 j 21:22	5° \approx 52'11		evening set	-12131 Apr 06 j 02:53	0° \approx 14'54	
morning max el	-12132 May 16 j 10:58	9° \approx 14'31	18°02'39		-12131 Apr 06 j 12:45	30° \mathcal{R} 3	
asc. node	-12132 May 20 j 01:29	13° \approx 30'21		min. Earth dist.	-12131 Apr 10 j 01:39	27° \mathcal{Z} 22'43	0.60735 AU
	-12132 May 30 j 05:35	0° \mathcal{H}		inferior conj	-12131 Apr 13 j 08:03	24° \mathcal{Z} 31'07	-3°10'55
morning set	-12132 Jun 02 j 08:46	5° \mathcal{H} 31'25		minimum elong	-12131 Apr 13 j 06:00	24° \mathcal{Z} 35'39	3°11'21
				morning rise	-12131 Apr 20 j 11:16	19° \mathcal{Z} 40'57	
superior conj	-12132 Jun 14 j 07:11	26° \mathcal{H} 10'12	1°44'21	direct	-12131 Apr 22 j 23:58	19° \mathcal{Z} 14'42	
minimum elong	-12132 Jun 14 j 10:17	26° \mathcal{H} 23'12	1°44'09	morning max el	-12131 Apr 29 j 23:58	22° \mathcal{Z} 42'07	18°08'19
	-12132 Jun 16 j 14:15	0° \mathcal{Y}			-12131 May 05 j 17:54	0° \approx	
max. Earth dist.	-12132 Jun 20 j 15:38	6° \mathcal{Y} 39'41	1.43113 AU	asc. node	-12131 May 06 j 22:19	1° \approx 51'12	
evening rise	-12132 Jun 29 j 17:10	21° \mathcal{Y} 05'02		morning set	-12131 May 16 j 04:07	18° \approx 11'54	
	-12132 Jul 05 j 11:45	0° \mathcal{B}			-12131 May 22 j 14:35	0° \mathcal{H}	
desc. node	-12132 Jul 07 j 02:02	2° \mathcal{B} 25'43					
	-12132 Jul 26 j 15:49	0° Π		superior conj	-12131 May 26 j 14:17	7° \mathcal{H} 07'45	1°49'01
evening max el	-12132 Jul 29 j 04:10	2° Π 45'53	20°56'41	minimum elong	-12131 May 26 j 13:52	7° \mathcal{H} 05'51	1°48'43
retrograde	-12132 Aug 06 j 10:52	7° Π 37'18		max. Earth dist.	-12131 Jun 02 j 22:43	19° \mathcal{H} 46'03	1.41564 AU
evening set	-12132 Aug 10 j 10:52	6° Π 06'38		evening rise	-12131 Jun 09 j 02:08	29° \mathcal{H} 50'35	
inferior conj	-12132 Aug 15 j 19:12	29° \mathcal{B} 59'55	-0°05'45		-12131 Jun 09 j 04:29	0° \mathcal{Y}	
minimum elong	-12132 Aug 15 j 19:18	29° \mathcal{B} 59'33	0°05'06	desc. node	-12131 Jun 23 j 23:30	22° \mathcal{Y} 42'25	
transit middle	-12132 Aug 15 j 19:18	29° \mathcal{B} 59'33	0°05'06		-12131 Jun 29 j 01:26	0° \mathcal{B}	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening max el	-12131 Jul 11 j 21:54	16°  07'38	22°12'40			-12130 Jun 24 j 23:24	0° 		
retrograde	-12131 Jul 21 j 05:55	21°  39'29		retrograde		-12130 Jul 04 j 22:19	5°  41'33		
evening set	-12131 Jul 25 j 19:20	19°  47'41		evening set		-12130 Jul 10 j 02:11	3°  28'41		
inferior conj	-12131 Jul 31 j 01:00	13°  35'28	-0°54'16			-12130 Jul 13 j 05:55	30°  R 		
minimum elong	-12131 Jul 31 j 02:06	13°  31'41	0°53'23	inferior conj		-12130 Jul 15 j 07:21	27°  Y13'22	-1°38'39	
min. Earth dist.	-12131 Jul 31 j 04:10	13°  24'32	0.67204 AU	minimum elong		-12130 Jul 15 j 09:10	27°  Y07'06	1°37'44	
asc. node	-12131 Aug 02 j 23:25	9°  43'06		min. Earth dist.		-12130 Jul 14 j 23:40	27°  Y39'45	0.67205 AU	
morning rise	-12131 Aug 05 j 08:47	7°  16'36		morning rise		-12130 Jul 20 j 16:06	21°  Y00'11		
direct	-12131 Aug 09 j 23:47	5°  23'30		asc. node		-12130 Jul 20 j 20:15	20°  Y52'18		
morning max el	-12131 Aug 19 j 18:51	11°  817'03	22°40'02	direct		-12130 Jul 24 j 18:52	19°  Y25'03		
	-12131 Sep 03 j 11:19	0°  II		morning max el		-12130 Aug 02 j 11:21	24°  Y36'29	21°19'50	
desc. node	-12131 Sep 19 j 20:59	24°  II50'16				-12130 Aug 07 j 03:08	0°  B		
morning set	-12131 Sep 22 j 05:54	28°  II39'44				-12130 Aug 27 j 22:20	0°  II		
	-12131 Sep 23 j 01:35	0°  S		morning set		-12130 Sep 01 j 20:49	7°  II40'18		
max. Earth dist.	-12131 Sep 27 j 18:55	7°  S51'41	1.40744 AU	desc. node		-12130 Sep 06 j 18:04	15°  II26'02		
				max. Earth dist.		-12130 Sep 10 j 00:17	20°  II43'14	1.42503 AU	
						-12130 Sep 15 j 14:10	0°  S		
superior conj	-12131 Oct 05 j 09:34	21°  S09'13	-1°22'42						
minimum elong	-12131 Oct 05 j 06:15	20°  S54'20	1°21'46						
	-12131 Oct 10 j 05:36	0°  Q		superior conj		-12130 Sep 16 j 22:16	2°  S16'18	-0°58'28	
evening rise	-12131 Oct 15 j 07:26	9°  Q31'05		minimum elong		-12130 Sep 16 j 18:06	1°  S58'34	0°57'17	
	-12131 Oct 27 j 01:14	0°  M		evening rise		-12130 Sep 28 j 08:49	22°  S24'35		
asc. node	-12131 Oct 29 j 22:46	3°  M46'54				-12130 Oct 02 j 14:27	0°  Q		
evening max el	-12131 Oct 31 j 11:32	5°  M25'23	18°19'08	evening max el		-12130 Oct 14 j 22:30	18°  Q34'08	18°07'09	
retrograde	-12131 Nov 07 j 20:26	9°  M06'43		asc. node		-12130 Oct 16 j 20:02	20°  Q14'16		
evening set	-12131 Nov 10 j 07:46	8°  M42'51		retrograde		-12130 Oct 21 j 18:17	22°  Q07'16		
inferior conj	-12131 Nov 17 j 16:04	3°  M58'02	4°08'46	evening set		-12130 Oct 24 j 07:04	21°  Q37'57		
minimum elong	-12131 Nov 17 j 13:39	4°  M03'08	4°08'52	inferior conj		-12130 Oct 31 j 03:26	16°  Q32'21	3°39'08	
min. Earth dist.	-12131 Nov 20 j 19:59	1°  M18'50	0.59881 AU	minimum elong		-12130 Oct 30 j 23:43	16°  Q41'19	3°38'54	
	-12131 Nov 22 j 13:00	30°  R 		min. Earth dist.		-12130 Nov 02 j 23:41	13°  Q48'50	0.61705 AU	
morning rise	-12131 Nov 24 j 17:58	28°  Q33'19		morning rise		-12130 Nov 06 j 15:08	10°  Q49'45		
direct	-12131 Dec 01 j 10:01	26°  Q35'49		direct		-12130 Nov 13 j 16:03	8°  Q23'42		
	-12131 Dec 10 j 16:13	0°  M		morning max el		-12130 Nov 27 j 12:59	15°  Q52'06	27°28'54	
morning max el	-12131 Dec 15 j 10:24	3°  M57'01	26°52'15	desc. node		-12130 Dec 03 j 18:47	22°  Q43'53		
desc. node	-12131 Dec 16 j 22:10	5°  M25'57				-12130 Dec 09 j 06:47	0°  M		
	-12130 Jan 03 j 14:24	0°  S				-12130 Dec 27 j 00:39	0°  S		
morning set	-12130 Jan 14 j 19:41	21°  S22'35		morning set		-12130 Dec 30 j 01:54	6°  S07'14		
	-12130 Jan 18 j 21:00	0°  M		max. Earth dist.		-12129 Jan 05 j 03:23	18°  S56'03	1.32965 AU	
superior conj	-12130 Jan 21 j 20:25	6°  M28'48	-0°36'56	superior conj		-12129 Jan 06 j 07:48	21°  S30'13	-0°56'45	
minimum elong	-12130 Jan 21 j 21:49	6°  M36'28	0°37'05	minimum elong		-12129 Jan 06 j 09:42	21°  S40'33	0°56'41	
max. Earth dist.	-12130 Jan 21 j 15:33	6°  M02'14	1.32781 AU			-12129 Jan 10 j 05:40	0°  M		
asc. node	-12130 Jan 25 j 20:13	15°  M09'57		asc. node		-12129 Jan 12 j 17:34	5°  M20'29		
evening rise	-12130 Jan 28 j 21:55	21°  M41'04		evening rise		-12129 Jan 13 j 08:31	6°  M39'14		
	-12130 Feb 02 j 00:28	0°  S				-12129 Jan 25 j 19:17	0°  S		
	-12130 Feb 20 j 17:37	0°  S		evening max el		-12129 Feb 08 j 07:33	17°  S27'00	24°48'17	
evening max el	-12130 Feb 26 j 12:35	6°  S20'56	26°08'01	retrograde		-12129 Feb 22 j 05:41	24°  S26'21		
retrograde	-12130 Mar 12 j 15:21	13°  S39'35		evening set		-12129 Feb 26 j 22:41	23°  S35'38		
desc. node	-12130 Mar 14 j 23:22	13°  S25'57		desc. node		-12129 Mar 01 j 20:21	22°  S18'18		
evening set	-12130 Mar 18 j 09:42	12°  S17'11		min. Earth dist.		-12129 Mar 04 j 21:09	20°  S30'31	0.57023 AU	
min. Earth dist.	-12130 Mar 23 j 01:52	9°  S25'06	0.58759 AU	inferior conj		-12129 Mar 07 j 14:13	18°  S43'08	-1°24'10	
inferior conj	-12130 Mar 26 j 08:51	6°  S55'23	-2°32'07	minimum elong		-12129 Mar 07 j 11:19	18°  S47'57	1°24'02	
minimum elong	-12130 Mar 26 j 05:26	7°  S01'55	2°32'08	morning rise		-12129 Mar 16 j 03:10	14°  S30'05		
morning rise	-12130 Apr 03 j 04:14	2°  S25'18		direct		-12129 Mar 18 j 07:29	14°  S16'24		
direct	-12130 Apr 05 j 12:29	2°  S06'21		morning max el		-12129 Mar 27 j 11:45	18°  S37'02	19°17'34	
morning max el	-12130 Apr 13 j 09:15	5°  S52'48	18°33'09			-12129 Apr 05 j 00:43	0°  S		
asc. node	-12130 Apr 23 j 19:11	20°  S48'46		asc. node		-12129 Apr 10 j 16:06	10°  S14'28		
	-12130 Apr 28 j 17:35	0°  S		morning set		-12129 Apr 13 j 10:44	15°  S40'26		
morning set	-12130 Apr 29 j 14:06	1°  S38'12				-12129 Apr 20 j 16:07	0°  S		
superior conj	-12130 May 08 j 20:47	19°  S16'31	1°41'58	superior conj		-12129 Apr 21 j 21:09	2°  S21'29	1°27'04	
minimum elong	-12130 May 08 j 18:18	19°  S05'04	1°41'21	minimum elong		-12129 Apr 21 j 18:05	2°  S06'37	1°26'08	
	-12130 May 14 j 18:58	0°  S		max. Earth dist.		-12129 Apr 28 j 00:15	13°  S56'39	1.37873 AU	
max. Earth dist.	-12130 May 16 j 00:11	2°  S08'15	1.39730 AU	evening rise		-12129 May 02 j 00:36	21°  S10'01		
evening rise	-12130 May 20 j 11:47	9°  S48'56				-12129 May 07 j 04:05	0°  S		
	-12130 Jun 02 j 03:39	0°  Y				-12129 May 27 j 01:30	0°  Y		
desc. node	-12130 Jun 10 j 21:01	12°  Y41'24		desc. node		-12129 May 28 j 18:32	2°  Y14'50		
evening max el	-12130 Jun 24 j 10:05	29°  Y26'58	23°34'41	evening max el		-12129 Jun 06 j 19:49	12°  Y47'20	24°55'29	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

retrograde	-12129 Jun 18 j 11:00	19° Υ 38'49		evening rise	-12128 Apr 13 j 11:54	3° \approx 41'33	
evening set	-12129 Jun 24 j 05:26	17° Υ 07'40			-12128 Apr 29 j 02:42	0° \mathbb{H}	
min. Earth dist.	-12129 Jun 28 j 17:05	11° Υ 56'12	0.66880 AU	desc. node	-12128 May 14 j 15:59	21° \mathbb{H} 12'21	
inferior conj	-12129 Jun 29 j 12:24	10° Υ 51'38	-2°17'40	evening max el	-12128 May 19 j 05:49	26° \mathbb{H} 09'36	26°06'22
minimum elong	-12129 Jun 29 j 14:38	10° Υ 44'09	2°16'55		-12128 May 23 j 14:29	0° Υ	
morning rise	-12129 Jul 04 j 23:49	4° Υ 47'23		retrograde	-12128 May 31 j 19:05	3° Υ 26'25	
asc. node	-12129 Jul 07 j 17:01	3° Υ 34'00		evening set	-12128 Jun 07 j 02:53	0° Υ 42'55	
direct	-12129 Jul 08 j 16:13	3° Υ 28'42			-12128 Jun 07 j 21:28	30° \mathbb{R} \mathbb{H}	
morning max el	-12129 Jul 16 j 09:57	8° Υ 01'06	20°09'14	min. Earth dist.	-12128 Jun 11 j 06:00	26° \mathbb{H} 10'46	0.66197 AU
	-12129 Aug 01 j 11:57	0° \mathbb{B}		inferior conj	-12128 Jun 12 j 14:16	24° \mathbb{H} 28'25	-2°49'48
morning set	-12129 Aug 11 j 23:55	16° \mathbb{B} 09'07		minimum elong	-12128 Jun 12 j 16:30	24° \mathbb{H} 21'18	2°49'25
	-12129 Aug 20 j 19:33	0° \mathbb{H}		morning rise	-12128 Jun 18 j 06:12	18° \mathbb{H} 36'13	
max. Earth dist.	-12129 Aug 23 j 11:24	4° \mathbb{H} 14'25	1.43814 AU	direct	-12128 Jun 21 j 14:11	17° \mathbb{H} 32'04	
desc. node	-12129 Aug 24 j 15:16	6° \mathbb{H} 06'07		asc. node	-12128 Jun 23 j 13:46	17° \mathbb{H} 53'41	
				morning max el	-12128 Jun 28 j 14:52	21° \mathbb{H} 32'18	19°12'19
superior conj	-12129 Aug 28 j 07:35	12° \mathbb{H} 03'17	-0°21'56		-12128 Jul 05 j 07:22	0° Υ	
minimum elong	-12129 Aug 28 j 05:22	11° \mathbb{H} 54'15	0°21'00	morning set	-12128 Jul 21 j 11:13	25° Υ 02'02	
	-12129 Sep 08 j 02:08	0° \mathbb{B}			-12128 Jul 24 j 14:33	0° \mathbb{B}	
evening rise	-12129 Sep 10 j 16:32	4° \mathbb{B} 26'21		max. Earth dist.	-12128 Aug 05 j 02:58	18° \mathbb{B} 12'28	1.44505 AU
	-12129 Sep 26 j 18:30	0° \mathbb{Q}					
evening max el	-12129 Sep 28 j 12:04	1° \mathbb{Q} 55'47	18°14'04	superior conj	-12128 Aug 06 j 16:20	20° \mathbb{B} 40'34	0°22'41
asc. node	-12129 Oct 03 j 17:13	5° \mathbb{Q} 19'49		minimum elong	-12128 Aug 06 j 19:06	20° \mathbb{B} 51'32	0°22'53
retrograde	-12129 Oct 05 j 02:46	5° \mathbb{Q} 29'59		desc. node	-12128 Aug 10 j 12:35	26° \mathbb{B} 47'28	
evening set	-12129 Oct 07 j 19:15	4° \mathbb{Q} 52'47			-12128 Aug 12 j 12:45	0° \mathbb{H}	
	-12129 Oct 13 j 17:02	30° \mathbb{R} \mathbb{B}		evening rise	-12128 Aug 22 j 00:56	15° \mathbb{H} 22'45	
inferior conj	-12129 Oct 14 j 04:47	29° \mathbb{B} 28'28	2°56'38		-12128 Aug 31 j 00:40	0° \mathbb{B}	
minimum elong	-12129 Oct 14 j 01:06	29° \mathbb{B} 38'24	2°56'16	evening max el	-12128 Sep 11 j 01:18	15° \mathbb{B} 24'30	18°38'53
min. Earth dist.	-12129 Oct 16 j 13:05	26° \mathbb{B} 57'14	0.63362 AU	retrograde	-12128 Sep 17 j 18:16	19° \mathbb{B} 08'43	
morning rise	-12129 Oct 20 j 06:06	23° \mathbb{B} 31'08		asc. node	-12128 Sep 19 j 14:18	18° \mathbb{B} 49'51	
direct	-12129 Oct 27 j 05:51	20° \mathbb{B} 49'56		evening set	-12128 Sep 20 j 16:43	18° \mathbb{B} 20'39	
morning max el	-12129 Nov 09 j 20:20	28° \mathbb{B} 22'03	27°30'52	inferior conj	-12128 Sep 26 j 16:53	12° \mathbb{B} 40'23	2°07'28
	-12129 Nov 11 j 11:11	0° \mathbb{Q}		minimum elong	-12128 Sep 26 j 14:01	12° \mathbb{B} 48'53	2°07'12
desc. node	-12129 Nov 20 j 15:25	11° \mathbb{Q} 06'34		min. Earth dist.	-12128 Sep 28 j 12:15	10° \mathbb{B} 32'21	0.64742 AU
	-12129 Dec 02 j 23:37	0° \mathbb{H}		morning rise	-12128 Oct 02 j 10:46	6° \mathbb{B} 31'35	
morning set	-12129 Dec 14 j 01:38	20° \mathbb{H} 28'37		direct	-12128 Oct 09 j 02:09	3° \mathbb{B} 48'22	
	-12129 Dec 18 j 17:03	0° \mathbb{B}		morning max el	-12128 Oct 22 j 06:09	11° \mathbb{B} 18'00	27°00'48
max. Earth dist.	-12129 Dec 19 j 09:43	1° \mathbb{B} 27'48	1.33523 AU		-12128 Nov 06 j 07:48	0° \mathbb{Q}	
				desc. node	-12128 Nov 06 j 12:06	0° \mathbb{Q} 15'35	
superior conj	-12129 Dec 21 j 16:56	6° \mathbb{B} 21'46	-1°13'49		-12128 Nov 24 j 09:44	0° \mathbb{H}	
minimum elong	-12129 Dec 21 j 19:00	6° \mathbb{B} 32'47	1°13'37	morning set	-12128 Nov 26 j 15:50	4° \mathbb{H} 17'12	
evening rise	-12129 Dec 28 j 19:45	21° \mathbb{B} 35'34		max. Earth dist.	-12128 Dec 01 j 07:26	13° \mathbb{H} 30'28	1.34494 AU
asc. node	-12129 Dec 30 j 14:57	25° \mathbb{B} 19'33					
	-12128 Jan 01 j 22:48	0° \mathbb{M}		superior conj	-12128 Dec 04 j 21:50	20° \mathbb{H} 56'46	-1°27'11
evening max el	-12128 Jan 21 j 00:54	28° \mathbb{M} 18'45	23°15'36	minimum elong	-12128 Dec 04 j 23:36	21° \mathbb{H} 06'01	1°26'55
	-12128 Jan 22 j 22:59	0° \mathbb{A}			-12128 Dec 09 j 04:47	0° \mathbb{B}	
retrograde	-12128 Feb 03 j 07:09	4° \mathbb{A} 44'59		evening rise	-12128 Dec 12 j 06:01	6° \mathbb{B} 24'37	
evening set	-12128 Feb 06 j 23:36	4° \mathbb{A} 15'19		asc. node	-12128 Dec 16 j 12:19	15° \mathbb{B} 01'34	
min. Earth dist.	-12128 Feb 14 j 13:26	0° \mathbb{A} 46'00	0.55841 AU		-12128 Dec 25 j 04:36	0° \mathbb{M}	
	-12128 Feb 15 j 20:29	30° \mathbb{R} \mathbb{M}		evening max el	-12127 Jan 01 j 21:43	9° \mathbb{M} 18'46	21°43'12
inferior conj	-12128 Feb 16 j 00:48	29° \mathbb{M} 53'35	0°10'28	retrograde	-12127 Jan 13 j 22:46	15° \mathbb{M} 00'52	
minimum elong	-12128 Feb 16 j 01:13	29° \mathbb{M} 52'58	0°09'44	evening set	-12127 Jan 16 j 22:40	14° \mathbb{M} 40'46	
transit middle	-12128 Feb 16 j 01:13	29° \mathbb{M} 52'58	0°09'44	inferior conj	-12127 Jan 25 j 23:28	10° \mathbb{M} 38'34	1°54'20
transit begin	-12128 Feb 15 j 22:02	29° \mathbb{M} 57'42		minimum elong	-12127 Jan 26 j 04:04	10° \mathbb{M} 32'02	1°52'32
transit end	-12128 Feb 16 j 04:24	29° \mathbb{M} 48'15		min. Earth dist.	-12127 Jan 26 j 03:38	10° \mathbb{M} 32'39	0.55456 AU
desc. node	-12128 Feb 16 j 17:12	29° \mathbb{M} 29'20		desc. node	-12127 Feb 02 j 13:59	6° \mathbb{M} 58'32	
morning rise	-12128 Feb 25 j 04:45	25° \mathbb{M} 49'41		morning rise	-12127 Feb 04 j 09:20	6° \mathbb{M} 30'37	
direct	-12128 Feb 27 j 09:34	25° \mathbb{M} 37'42		direct	-12127 Feb 07 j 01:30	6° \mathbb{M} 14'34	
	-12128 Mar 08 j 08:42	0° \mathbb{A}		morning max el	-12127 Feb 19 j 09:54	12° \mathbb{M} 12'23	21°43'46
morning max el	-12128 Mar 09 j 04:32	0° \mathbb{A} 45'15	20°21'39		-12127 Mar 04 j 06:45	0° \mathbb{A}	
morning set	-12128 Mar 27 j 14:50	0° \mathbb{B} 10'09		morning set	-12127 Mar 11 j 23:47	14° \mathbb{A} 58'49	
asc. node	-12128 Mar 27 j 13:07	0° \mathbb{B} 01'26		asc. node	-12127 Mar 14 j 10:12	20° \mathbb{A} 03'22	
	-12128 Mar 27 j 12:50	0° \mathbb{B}					
superior conj	-12128 Apr 04 j 10:36	16° \mathbb{B} 09'22	1°07'21	superior conj	-12127 Mar 19 j 09:18	0° \mathbb{B} 28'32	0°45'00
minimum elong	-12128 Apr 04 j 07:52	15° \mathbb{B} 55'36	1°06'16	minimum elong	-12127 Mar 19 j 07:24	0° \mathbb{B} 18'36	0°43'57
					-12127 Mar 19 j 03:50	0° \mathbb{B}	
max. Earth dist.	-12128 Apr 09 j 05:45	25° \mathbb{B} 38'56	1.36205 AU	max. Earth dist.	-12127 Mar 22 j 20:51	7° \mathbb{B} 38'11	1.34844 AU
	-12128 Apr 11 j 12:24	0° \approx		evening rise	-12127 Mar 27 j 15:52	17° \mathbb{B} 06'01	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12127 Apr 03 j 16:30	0°♊			-12126 Mar 27 j 15:54	0°♊	
	-12127 Apr 23 j 09:49	0°♋		evening max el	-12126 Apr 14 j 02:59	22°♊28'41	27°25'11
evening max el	-12127 May 01 j 16:38	9°♋26'53	26°58'44	desc. node	-12126 Apr 18 j 10:37	26°♊13'26	
desc. node	-12127 May 01 j 13:21	9°♋18'47			-12126 Apr 26 j 16:19	0°♋	
retrograde	-12127 May 14 j 22:00	16°♋57'19		retrograde	-12126 Apr 27 j 19:19	0°♋03'50	
evening set	-12127 May 21 j 16:01	14°♋10'45			-12126 Apr 28 j 21:54	30°♋	
min. Earth dist.	-12127 May 25 j 12:12	10°♋16'57	0.65125 AU	evening set	-12126 May 04 j 17:54	27°♋26'29	
inferior conj	-12127 May 27 j 10:45	8°♋00'03	-3°13'12	min. Earth dist.	-12126 May 08 j 10:05	24°♋05'29	0.63659 AU
minimum elong	-12127 May 27 j 12:29	7°♋54'57	3°13'16	inferior conj	-12126 May 10 j 23:17	21°♋22'19	-3°25'12
morning rise	-12127 Jun 02 j 09:18	2°♋22'43		minimum elong	-12126 May 10 j 23:55	21°♋20'38	3°25'38
direct	-12127 Jun 05 j 10:31	1°♋31'15		morning rise	-12126 May 17 j 06:49	16°♋02'09	
asc. node	-12127 Jun 10 j 10:31	3°♋40'18		direct	-12126 May 20 j 02:33	15°♋21'43	
morning max el	-12127 Jun 12 j 00:57	5°♋08'27	18°31'25	morning max el	-12126 May 26 j 14:10	18°♋46'13	18°07'57
	-12127 Jun 28 j 20:36	0°♌		asc. node	-12126 May 28 j 07:18	20°♋38'32	
morning set	-12127 Jul 01 j 20:34	4°♌55'50			-12126 Jun 03 j 20:10	0°♌	
				morning set	-12126 Jun 13 j 07:09	15°♌59'53	
superior conj	-12127 Jul 16 j 16:24	28°♌54'03	1°05'09		-12126 Jun 21 j 12:52	0°♌	
minimum elong	-12127 Jul 16 j 22:52	29°♌19'48	1°04'49				
	-12127 Jul 17 j 08:59	0°♍		superior conj	-12126 Jun 26 j 06:11	7°♌48'53	1°34'48
max. Earth dist.	-12127 Jul 18 j 19:55	2°♍18'36	1.44493 AU	minimum elong	-12126 Jun 26 j 11:24	8°♌10'13	1°34'32
desc. node	-12127 Jul 28 j 09:57	17°♍26'27		max. Earth dist.	-12126 Jul 01 j 10:32	16°♌12'48	1.43789 AU
evening rise	-12127 Aug 02 j 05:56	25°♍02'59			-12126 Jul 10 j 03:42	0°♍	
	-12127 Aug 05 j 09:27	0°♎		evening rise	-12126 Jul 12 j 11:53	3°♍38'48	
evening max el	-12127 Aug 25 j 11:19	28°♎54'40	19°20'35	desc. node	-12126 Jul 15 j 07:21	7°♍59'54	
	-12127 Aug 26 j 14:15	0°♏			-12126 Jul 29 j 22:49	0°♎	
retrograde	-12127 Sep 01 j 13:40	2°♏58'02		evening max el	-12126 Aug 08 j 15:47	12°♎22'34	20°17'43
evening set	-12127 Sep 04 j 20:19	1°♏55'54		retrograde	-12126 Aug 16 j 10:27	16°♎54'24	
asc. node	-12127 Sep 06 j 11:19	0°♏40'31		evening set	-12126 Aug 20 j 03:28	15°♎34'59	
	-12127 Sep 07 j 04:11	30°♏		asc. node	-12126 Aug 24 j 08:17	11°♎11'02	
inferior conj	-12127 Sep 10 j 12:50	26°♏02'51	1°15'33	inferior conj	-12126 Aug 25 j 14:13	9°♎32'17	0°23'31
minimum elong	-12127 Sep 10 j 11:06	26°♏08'21	1°15'37	minimum elong	-12126 Aug 25 j 13:40	9°♎34'05	0°23'57
min. Earth dist.	-12127 Sep 11 j 19:56	24°♏24'01	0.65808 AU	min. Earth dist.	-12126 Aug 26 j 10:05	8°♎25'52	0.66576 AU
morning rise	-12127 Sep 16 j 01:33	19°♏46'05		morning rise	-12126 Aug 30 j 23:40	3°♎11'29	
direct	-12127 Sep 22 j 04:27	17°♏10'50		direct	-12126 Sep 05 j 12:26	0°♎50'19	
morning max el	-12127 Oct 04 j 16:30	24°♏28'46	26°04'53	morning max el	-12126 Sep 17 j 02:24	7°♎44'15	24°51'03
	-12127 Oct 09 j 17:37	0°♐			-12126 Oct 04 j 14:07	0°♏	
desc. node	-12127 Oct 24 j 08:53	19°♐57'33		desc. node	-12126 Oct 11 j 05:41	10°♏02'16	
	-12127 Oct 30 j 17:29	0°♑		morning set	-12126 Oct 22 j 22:43	29°♏26'42	
morning set	-12127 Nov 09 j 16:32	17°♑21'24			-12126 Oct 23 j 06:17	0°♑	
max. Earth dist.	-12127 Nov 13 j 18:42	25°♑05'42	1.35885 AU	max. Earth dist.	-12126 Oct 26 j 20:44	6°♑28'32	1.37644 AU
	-12127 Nov 16 j 06:45	0°♒					
superior conj	-12127 Nov 18 j 20:02	5°♒07'33	-1°35'39	superior conj	-12126 Nov 02 j 08:17	18°♑43'37	-1°37'40
minimum elong	-12127 Nov 18 j 20:59	5°♒12'20	1°35'19	minimum elong	-12126 Nov 02 j 07:49	18°♑41'23	1°37'10
evening rise	-12127 Nov 26 j 13:35	21°♒00'57			-12126 Nov 08 j 00:52	0°♒	
	-12127 Dec 01 j 01:52	0°♓		evening rise	-12126 Nov 10 j 16:22	5°♒17'41	
asc. node	-12127 Dec 03 j 09:40	4°♓20'05		asc. node	-12126 Nov 20 j 07:01	23°♒06'08	
evening max el	-12127 Dec 15 j 02:42	20°♓46'09	20°22'06		-12126 Nov 25 j 03:49	0°♓	
retrograde	-12127 Dec 25 j 14:59	25°♓42'17		evening max el	-12126 Nov 27 j 17:57	2°♓47'34	19°18'34
evening set	-12127 Dec 28 j 06:42	25°♓24'44		retrograde	-12126 Dec 06 j 18:35	7°♓04'52	
inferior conj	-12126 Jan 05 j 23:01	21°♓24'19	3°19'24	evening set	-12126 Dec 09 j 07:00	6°♓46'20	
minimum elong	-12126 Jan 06 j 04:38	21°♓15'52	3°17'59	inferior conj	-12126 Dec 17 j 11:21	2°♓33'57	4°06'56
min. Earth dist.	-12126 Jan 07 j 16:52	20°♓21'37	0.55931 AU	minimum elong	-12126 Dec 17 j 14:09	2°♓29'12	4°06'40
morning rise	-12126 Jan 15 j 00:59	16°♓57'53		min. Earth dist.	-12126 Dec 20 j 06:37	0°♓41'01	0.57143 AU
direct	-12126 Jan 18 j 18:22	16°♓27'21			-12126 Dec 21 j 08:22	30°♓	
desc. node	-12126 Jan 20 j 10:42	16°♓33'46		morning rise	-12126 Dec 25 j 19:11	27°♓43'01	
morning max el	-12126 Feb 01 j 05:27	23°♓06'26	23°18'13	direct	-12126 Dec 30 j 21:09	26°♓43'28	
	-12126 Feb 07 j 07:03	0°♔		desc. node	-12125 Jan 07 j 07:23	28°♓49'34	
morning set	-12126 Feb 24 j 11:29	29°♔59'30			-12125 Jan 09 j 05:07	0°♔	
	-12126 Feb 24 j 11:35	0°♕		morning max el	-12125 Jan 13 j 20:18	3°♔47'59	24°53'56
asc. node	-12126 Mar 01 j 07:21	10°♕15'32			-12125 Feb 01 j 09:04	0°♔	
				morning set	-12125 Feb 09 j 00:00	15°♔04'28	
superior conj	-12126 Mar 03 j 14:26	15°♕10'18	0°21'32	superior conj	-12125 Feb 15 j 23:38	0°♕06'01	-0°01'58
minimum elong	-12126 Mar 03 j 13:32	15°♕05'30	0°20'41	minimum elong	-12125 Feb 15 j 23:44	0°♕06'36	0°02'32
max. Earth dist.	-12126 Mar 05 j 21:47	20°♕03'36	1.33833 AU	behind sun begin	-12125 Feb 15 j 18:43	29°♕39'23	
	-12126 Mar 10 j 17:56	0°♖		behind sun end	-12125 Feb 16 j 04:45	0°♕33'48	
evening rise	-12126 Mar 11 j 07:52	1°♖09'24			-12125 Feb 15 j 22:31	0°♖	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

asc. node	-12125 Feb 16 j 04:35	0°♊32'53		minimum elong	-12124 Jan 31 j 12:00	15°♊14'20	0°24'52
max. Earth dist.	-12125 Feb 17 j 06:09	2°♊51'01	1.33166 AU	max. Earth dist.	-12124 Jan 31 j 18:47	15°♊51'24	1.32831 AU
evening rise	-12125 Feb 23 j 08:14	15°♊39'13		asc. node	-12124 Feb 03 j 01:49	20°♊50'43	
	-12125 Mar 02 j 18:52	0°♊			-12124 Feb 07 j 09:10	0°♊	
	-12125 Mar 22 j 17:31	0°♊		evening rise	-12124 Feb 07 j 14:13	0°♊26'13	
evening max el	-12125 Mar 27 j 10:52	5°♊03'38	27°20'38		-12124 Feb 23 j 23:43	0°♊	
desc. node	-12125 Apr 05 j 07:50	11°♊27'49		evening max el	-12124 Mar 08 j 14:14	17°♊03'36	26°43'17
retrograde	-12125 Apr 10 j 10:16	12°♊36'47		desc. node	-12124 Mar 22 j 04:59	24°♊28'11	
evening set	-12125 Apr 17 j 05:14	10°♊22'00		retrograde	-12124 Mar 22 j 17:05	24°♊28'51	
min. Earth dist.	-12125 Apr 20 j 23:03	7°♊23'08	0.61856 AU	evening set	-12124 Mar 28 j 22:54	22°♊46'39	
inferior conj	-12125 Apr 24 j 00:45	4°♊28'40	-3°21'53	min. Earth dist.	-12124 Apr 02 j 03:40	19°♊55'55	0.59880 AU
minimum elong	-12125 Apr 23 j 23:45	4°♊31'05	3°22'26	inferior conj	-12124 Apr 05 j 11:36	17°♊10'59	-2°57'50
	-12125 Apr 29 j 15:44	30°♊		minimum elong	-12124 Apr 05 j 08:50	17°♊16'44	2°58'05
morning rise	-12125 Apr 30 j 19:58	29°♊27'19		morning rise	-12124 Apr 12 j 21:22	12°♊29'13	
direct	-12125 May 03 j 11:00	28°♊56'23		direct	-12124 Apr 15 j 08:03	12°♊06'21	
	-12125 May 07 j 04:10	0°♊		morning max el	-12124 Apr 22 j 15:47	15°♊40'33	18°16'29
morning max el	-12125 May 10 j 04:03	2°♊19'31	18°02'48	asc. node	-12124 May 01 j 01:00	27°♊10'27	
asc. node	-12125 May 15 j 04:08	8°♊32'56			-12124 May 02 j 16:17	0°♊	
morning set	-12125 May 26 j 15:55	28°♊08'08		morning set	-12124 May 08 j 18:01	11°♊09'04	
	-12125 May 27 j 16:47	0°♊					
				superior conj	-12124 May 18 j 15:29	29°♊29'14	1°47'13
superior conj	-12125 Jun 06 j 21:53	18°♊00'24	1°48'02	minimum elong	-12124 May 18 j 13:59	29°♊22'28	1°46'48
minimum elong	-12125 Jun 06 j 23:21	18°♊06'43	1°47'50		-12124 May 18 j 22:19	0°♊	
max. Earth dist.	-12125 Jun 13 j 20:16	29°♊38'31	1.42496 AU	max. Earth dist.	-12124 May 26 j 00:26	12°♊24'47	1.40799 AU
	-12125 Jun 14 j 01:30	0°♊		evening rise	-12124 May 31 j 07:22	21°♊14'22	
evening rise	-12125 Jun 21 j 13:02	12°♊01'26			-12124 Jun 05 j 18:28	0°♊	
desc. node	-12125 Jul 02 j 04:49	28°♊24'14		desc. node	-12124 Jun 18 j 02:21	18°♊34'07	
	-12125 Jul 03 j 06:28	0°♊			-12124 Jun 26 j 10:01	0°♊	
evening max el	-12125 Jul 22 j 13:27	25°♊46'57	21°27'56	evening max el	-12124 Jul 04 j 04:37	9°♊07'37	22°47'20
	-12125 Jul 27 j 20:57	0°♊		retrograde	-12124 Jul 14 j 00:35	14°♊57'39	
retrograde	-12125 Jul 31 j 06:37	0°♊55'25		evening set	-12124 Jul 18 j 20:00	12°♊57'00	
	-12125 Aug 03 j 10:40	30°♊		inferior conj	-12124 Jul 24 j 01:12	6°♊43'24	-1°13'40
evening set	-12125 Aug 04 j 12:01	29°♊16'07		minimum elong	-12124 Jul 24 j 02:39	6°♊38'26	1°12'44
inferior conj	-12125 Aug 09 j 18:58	23°♊06'41	-0°26'43	min. Earth dist.	-12124 Jul 23 j 23:55	6°♊47'53	0.67241 AU
minimum elong	-12125 Aug 09 j 19:31	23°♊04'47	0°25'58	asc. node	-12124 Jul 28 j 02:03	1°♊38'12	
min. Earth dist.	-12125 Aug 10 j 04:15	22°♊34'46	0.67055 AU	morning rise	-12124 Jul 29 j 09:11	0°♊26'26	
asc. node	-12125 Aug 11 j 05:12	21°♊09'58			-12124 Jul 29 j 23:10	30°♊	
morning rise	-12125 Aug 15 j 02:52	16°♊45'50		direct	-12124 Aug 02 j 18:52	28°♊40'50	
direct	-12125 Aug 20 j 01:35	14°♊42'00			-12124 Aug 06 j 23:04	0°♊	
morning max el	-12125 Aug 30 j 12:48	20°♊59'59	23°28'15	morning max el	-12124 Aug 12 j 02:09	4°♊16'17	22°05'03
	-12125 Sep 07 j 05:15	0°♊			-12124 Aug 31 j 10:31	0°♊	
	-12125 Sep 27 j 20:47	0°♊		morning set	-12124 Sep 13 j 09:10	19°♊56'29	
desc. node	-12125 Sep 28 j 02:36	0°♊23'05		desc. node	-12124 Sep 13 j 23:37	20°♊54'22	
morning set	-12125 Oct 04 j 05:09	10°♊20'02			-12124 Sep 19 j 13:14	0°♊	
max. Earth dist.	-12125 Oct 08 j 19:15	18°♊09'05	1.39615 AU	max. Earth dist.	-12124 Sep 19 j 21:06	0°♊32'46	1.41538 AU
	-12125 Oct 15 j 10:08	0°♊					
				superior conj	-12124 Sep 27 j 08:57	13°♊22'25	-1°13'58
superior conj	-12125 Oct 16 j 06:23	1°♊33'32	-1°31'11	minimum elong	-12124 Sep 27 j 05:04	13°♊05'20	1°12'54
minimum elong	-12125 Oct 16 j 04:06	1°♊22'57	1°30'25		-12124 Oct 06 j 13:37	0°♊	
evening rise	-12125 Oct 25 j 11:57	19°♊08'29		evening rise	-12124 Oct 07 j 21:04	2°♊25'14	
	-12125 Oct 31 j 06:11	0°♊		evening max el	-12124 Oct 24 j 02:59	28°♊19'00	18°11'39
asc. node	-12125 Nov 07 j 04:20	11°♊09'04		asc. node	-12124 Oct 24 j 01:36	28°♊15'34	
evening max el	-12125 Nov 10 j 18:51	15°♊21'03	18°35'01		-12124 Oct 26 j 01:34	0°♊	
retrograde	-12125 Nov 18 j 15:20	19°♊11'31		retrograde	-12124 Oct 31 j 05:00	1°♊55'10	
evening set	-12125 Nov 21 j 02:43	18°♊49'59		evening set	-12124 Nov 02 j 16:51	1°♊29'06	
inferior conj	-12125 Nov 28 j 18:18	14°♊18'00	4°16'36		-12124 Nov 05 j 14:27	30°♊	
minimum elong	-12125 Nov 28 j 17:26	14°♊19'42	4°16'47	inferior conj	-12124 Nov 09 j 19:58	26°♊35'16	3°58'14
min. Earth dist.	-12125 Dec 01 j 23:05	11°♊49'52	0.58830 AU	minimum elong	-12124 Nov 09 j 16:48	26°♊42'21	3°58'11
morning rise	-12125 Dec 06 j 06:18	9°♊04'53		min. Earth dist.	-12124 Nov 12 j 21:28	23°♊52'04	0.60677 AU
direct	-12125 Dec 12 j 12:00	7°♊27'41		morning rise	-12124 Nov 16 j 15:22	21°♊02'56	
desc. node	-12125 Dec 25 j 04:02	13°♊28'37		direct	-12124 Nov 23 j 12:50	18°♊51'45	
morning max el	-12125 Dec 26 j 12:59	14°♊44'28	26°16'11	morning max el	-12124 Dec 07 j 11:36	26°♊15'32	27°11'59
	-12124 Jan 07 j 20:19	0°♊		desc. node	-12124 Dec 11 j 00:39	29°♊57'21	
morning set	-12124 Jan 24 j 11:35	0°♊07'06			-12124 Dec 11 j 01:36	0°♊	
	-12124 Jan 24 j 10:14	0°♊			-12124 Dec 31 j 04:07	0°♊	
				morning set	-12123 Jan 07 j 20:23	15°♊00'38	
superior conj	-12124 Jan 31 j 11:01	15°♊08'57	-0°24'35				

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-12123 Jan 14 j 22:53	0° \mathbb{M} 12'52	-0°45'37	superior conj	-12123 Dec 30 j 09:31	15° \mathbb{A} 10'55	-1°04'23
minimum elong	-12123 Jan 15 j 00:32	0° \mathbb{M} 21'54	0°45'41	minimum elong	-12123 Dec 30 j 11:32	15° \mathbb{A} 21'50	1°04'15
max. Earth dist.	-12123 Jan 14 j 08:06	28° \mathbb{A} 52'13	1.32820 AU	evening rise	-12122 Jan 06 j 10:46	0° \mathbb{M} 21'14	
	-12123 Jan 14 j 20:32	0° \mathbb{M}			-12122 Jan 06 j 06:44	0° \mathbb{M}	
asc. node	-12123 Jan 19 j 23:07	11° \mathbb{M} 05'30		asc. node	-12122 Jan 06 j 20:27	1° \mathbb{M} 11'58	
evening rise	-12123 Jan 21 j 23:41	15° \mathbb{M} 22'45			-12122 Jan 23 j 04:14	0° \mathbb{A}	
	-12123 Jan 29 j 09:28	0° \mathbb{A}		evening max el	-12122 Jan 31 j 05:45	9° \mathbb{A} 24'52	24°09'36
evening max el	-12123 Feb 18 j 12:06	28° \mathbb{A} 27'41	25°36'34	retrograde	-12122 Feb 13 j 22:21	16° \mathbb{A} 11'49	
	-12123 Feb 20 j 04:50	0° \mathbb{B}		evening set	-12122 Feb 18 j 04:37	15° \mathbb{A} 31'20	
retrograde	-12123 Mar 04 j 13:41	5° \mathbb{B} 38'40		desc. node	-12122 Feb 23 j 22:58	12° \mathbb{A} 47'58	
desc. node	-12123 Mar 09 j 02:02	4° \mathbb{B} 49'53		min. Earth dist.	-12122 Feb 24 j 18:58	12° \mathbb{A} 17'41	0.56438 AU
evening set	-12123 Mar 09 j 21:46	4° \mathbb{B} 30'52		inferior conj	-12122 Feb 27 j 01:24	10° \mathbb{A} 52'34	-0°46'39
min. Earth dist.	-12123 Mar 15 j 01:33	1° \mathbb{B} 34'43	0.57974 AU	minimum elong	-12122 Feb 26 j 23:35	10° \mathbb{A} 55'25	0°46'45
	-12123 Mar 17 j 06:55	30° \mathbb{R} \mathbb{A}		morning rise	-12122 Mar 07 j 21:26	6° \mathbb{A} 45'07	
inferior conj	-12123 Mar 18 j 04:25	29° \mathbb{A} 21'13	-2°07'02	direct	-12122 Mar 10 j 01:17	6° \mathbb{A} 32'36	
minimum elong	-12123 Mar 18 j 00:54	29° \mathbb{A} 27'33	2°06'53	morning max el	-12122 Mar 19 j 21:11	11° \mathbb{A} 11'25	19°42'30
morning rise	-12123 Mar 26 j 07:13	24° \mathbb{A} 58'38			-12122 Apr 01 j 16:50	0° \mathbb{B}	
direct	-12123 Mar 28 j 13:45	24° \mathbb{A} 42'07		asc. node	-12122 Apr 04 j 18:51	5° \mathbb{B} 57'12	
morning max el	-12123 Apr 05 j 22:30	28° \mathbb{A} 41'17	18°49'36	morning set	-12122 Apr 06 j 09:12	9° \mathbb{B} 07'54	
	-12123 Apr 07 j 05:27	0° \mathbb{B}					
asc. node	-12123 Apr 17 j 21:54	16° \mathbb{B} 21'27		superior conj	-12122 Apr 14 j 12:44	25° \mathbb{B} 29'07	1°19'09
morning set	-12123 Apr 22 j 09:02	24° \mathbb{B} 52'35		minimum elong	-12122 Apr 14 j 09:44	25° \mathbb{B} 14'18	1°18'07
	-12123 Apr 25 j 00:04	0° \mathbb{A}			-12122 Apr 16 j 20:06	0° \mathbb{A}	
				max. Earth dist.	-12122 Apr 20 j 02:58	6° \mathbb{A} 16'07	1.37131 AU
superior conj	-12123 May 01 j 06:15	12° \mathbb{A} 03'57	1°36'25	evening rise	-12122 Apr 24 j 04:00	13° \mathbb{A} 41'58	
minimum elong	-12123 May 01 j 03:23	11° \mathbb{A} 50'23	1°35'38		-12122 May 03 j 17:02	0° \mathbb{H}	
max. Earth dist.	-12123 May 08 j 01:07	24° \mathbb{A} 32'40	1.38932 AU	desc. node	-12122 May 22 j 21:21	27° \mathbb{H} 43'09	
	-12123 May 11 j 03:37	0° \mathbb{H}			-12122 May 24 j 18:16	0° \mathbb{Y}	
evening rise	-12123 May 12 j 04:57	1° \mathbb{H} 49'06		evening max el	-12122 May 30 j 01:01	5° \mathbb{Y} 48'44	25°27'17
	-12123 May 30 j 00:37	0° \mathbb{Y}		retrograde	-12122 Jun 11 j 02:06	12° \mathbb{Y} 52'29	
desc. node	-12123 Jun 04 j 23:52	8° \mathbb{Y} 23'28		evening set	-12122 Jun 17 j 02:37	10° \mathbb{Y} 14'49	
evening max el	-12123 Jun 16 j 15:31	22° \mathbb{Y} 27'45	24°09'42	min. Earth dist.	-12122 Jun 21 j 10:22	5° \mathbb{Y} 20'18	0.66638 AU
retrograde	-12123 Jun 27 j 15:20	28° \mathbb{Y} 58'22		inferior conj	-12122 Jun 22 j 11:07	3° \mathbb{Y} 59'13	-2°32'15
evening set	-12123 Jul 03 j 01:33	26° \mathbb{Y} 37'12		minimum elong	-12122 Jun 22 j 13:25	3° \mathbb{Y} 51'42	2°31'39
inferior conj	-12123 Jul 08 j 07:12	20° \mathbb{Y} 21'35	-1°55'57		-12122 Jun 25 j 17:39	30° \mathbb{R} \mathbb{H}	
minimum elong	-12123 Jul 08 j 09:15	20° \mathbb{Y} 14'37	1°55'05	morning rise	-12122 Jun 28 j 00:15	28° \mathbb{H} 00'02	
min. Earth dist.	-12123 Jul 07 j 18:44	21° \mathbb{Y} 04'03	0.67114 AU	direct	-12122 Jul 01 j 12:49	26° \mathbb{H} 47'54	
morning rise	-12123 Jul 13 j 16:54	14° \mathbb{Y} 11'58		asc. node	-12122 Jul 01 j 19:38	26° \mathbb{H} 48'21	
asc. node	-12123 Jul 14 j 22:52	13° \mathbb{Y} 24'33			-12122 Jul 07 j 19:47	0° \mathbb{Y}	
direct	-12123 Jul 17 j 15:06	12° \mathbb{Y} 43'58		morning max el	-12122 Jul 08 j 22:33	1° \mathbb{Y} 05'28	19°43'14
morning max el	-12123 Jul 25 j 21:05	17° \mathbb{Y} 37'31	20°48'22		-12122 Jul 29 j 06:39	0° \mathbb{B}	
	-12123 Aug 04 j 15:40	0° \mathbb{B}		morning set	-12122 Aug 02 j 21:04	7° \mathbb{B} 10'22	
morning set	-12123 Aug 23 j 16:49	28° \mathbb{B} 37'13		max. Earth dist.	-12122 Aug 15 j 19:08	27° \mathbb{B} 30'37	1.44186 AU
	-12123 Aug 24 j 14:01	0° \mathbb{H}			-12122 Aug 17 j 08:37	0° \mathbb{H}	
desc. node	-12123 Aug 31 j 20:44	11° \mathbb{H} 32'21		desc. node	-12122 Aug 18 j 17:59	2° \mathbb{H} 13'29	
max. Earth dist.	-12123 Sep 02 j 05:31	13° \mathbb{H} 44'36	1.43134 AU				
				superior conj	-12122 Aug 19 j 08:03	3° \mathbb{H} 09'58	-0°03'31
superior conj	-12123 Sep 08 j 10:18	23° \mathbb{H} 56'05	-0°44'22	minimum elong	-12122 Aug 19 j 07:44	3° \mathbb{H} 08'39	0°02'51
minimum elong	-12123 Sep 08 j 06:31	23° \mathbb{H} 40'19	0°43'13	behind sun begin	-12122 Aug 18 j 20:55	2° \mathbb{H} 25'15	
	-12123 Sep 12 j 00:37	0° \mathbb{B}		behind sun end	-12122 Aug 19 j 18:33	3° \mathbb{H} 52'07	
evening rise	-12123 Sep 20 j 15:34	14° \mathbb{B} 58'30		evening rise	-12122 Sep 02 j 14:07	26° \mathbb{H} 34'54	
	-12123 Sep 29 j 07:45	0° \mathbb{B}			-12122 Sep 04 j 15:00	0° \mathbb{B}	
evening max el	-12123 Oct 07 j 15:23	11° \mathbb{B} 34'01	18°07'46	evening max el	-12122 Sep 21 j 05:07	24° \mathbb{B} 59'32	18°22'28
asc. node	-12123 Oct 10 j 22:49	14° \mathbb{B} 10'20		retrograde	-12122 Sep 27 j 20:03	28° \mathbb{B} 37'21	
retrograde	-12123 Oct 14 j 07:59	15° \mathbb{B} 06'31		asc. node	-12122 Sep 27 j 19:57	28° \mathbb{B} 37'21	
evening set	-12123 Oct 16 j 22:08	14° \mathbb{B} 34'03		evening set	-12122 Sep 30 j 14:43	27° \mathbb{B} 55'59	
inferior conj	-12123 Oct 23 j 13:42	9° \mathbb{B} 19'49	3°22'14	inferior conj	-12122 Oct 06 j 20:03	22° \mathbb{B} 24'20	2°36'23
minimum elong	-12123 Oct 23 j 09:51	9° \mathbb{B} 29'32	3°21'55	minimum elong	-12122 Oct 06 j 16:39	22° \mathbb{B} 33'54	2°36'01
min. Earth dist.	-12123 Oct 26 j 04:59	6° \mathbb{B} 40'10	0.62441 AU	min. Earth dist.	-12122 Oct 08 j 22:46	20° \mathbb{B} 01'56	0.63976 AU
morning rise	-12123 Oct 29 j 20:34	3° \mathbb{B} 30'38		morning rise	-12122 Oct 12 j 17:51	16° \mathbb{B} 21'25	
direct	-12123 Nov 05 j 21:59	0° \mathbb{B} 56'49		direct	-12122 Oct 19 j 14:31	13° \mathbb{B} 38'05	
morning max el	-12123 Nov 19 j 16:32	8° \mathbb{B} 26'35	27°34'02	morning max el	-12122 Nov 02 j 01:33	21° \mathbb{B} 10'41	27°21'49
desc. node	-12123 Nov 27 j 21:15	17° \mathbb{B} 45'30			-12122 Nov 09 j 20:59	0° \mathbb{B}	
	-12123 Dec 06 j 11:36	0° \mathbb{H}		desc. node	-12122 Nov 14 j 17:53	6° \mathbb{B} 30'19	
morning set	-12123 Dec 23 j 00:11	29° \mathbb{H} 36'41			-12122 Nov 29 j 11:59	0° \mathbb{H}	
	-12123 Dec 23 j 04:46	0° \mathbb{A}		morning set	-12122 Dec 06 j 20:20	13° \mathbb{H} 46'26	
max. Earth dist.	-12123 Dec 28 j 18:17	11° \mathbb{A} 39'26	1.33158 AU	max. Earth dist.	-12122 Dec 11 j 21:30	24° \mathbb{H} 00'55	1.33883 AU

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-12122 Dec 14 j 17:08	29° \mathbb{M} 56'53	-1°20'00	superior conj	-12121 Nov 28 j 19:30	14° \mathbb{M} 22'47	-1°31'29
minimum elong	-12122 Dec 14 j 19:07	0° \mathfrak{A} 07'29	1°19'46	minimum elong	-12121 Nov 28 j 20:59	14° \mathbb{M} 30'28	1°31'10
	-12122 Dec 14 j 17:43	0° \mathfrak{A}		evening rise	-12121 Dec 06 j 07:08	29° \mathbb{M} 59'57	
evening rise	-12122 Dec 21 j 21:49	15° \mathfrak{A} 15'45			-12121 Dec 06 j 07:09	0° \mathfrak{A}	
asc. node	-12122 Dec 24 j 17:48	21° \mathfrak{A} 04'55		asc. node	-12121 Dec 11 j 15:09	10° \mathfrak{A} 37'53	
	-12122 Dec 29 j 09:32	0° \mathbb{M}			-12121 Dec 24 j 12:17	0° \mathbb{M}	
evening max el	-12121 Jan 12 j 23:44	20° \mathbb{M} 17'16	22°35'28	evening max el	-12121 Dec 25 j 23:38	1° \mathbb{M} 27'42	21°06'54
retrograde	-12121 Jan 25 j 19:22	26° \mathbb{M} 26'28		retrograde	-12120 Jan 06 j 09:43	6° \mathbb{M} 49'45	
evening set	-12121 Jan 29 j 03:26	26° \mathbb{M} 02'02		evening set	-12120 Jan 09 j 05:03	6° \mathbb{M} 31'31	
min. Earth dist.	-12121 Feb 06 j 10:19	22° \mathbb{M} 18'01	0.55572 AU	inferior conj	-12120 Jan 18 j 03:02	2° \mathbb{M} 32'26	2°34'12
inferior conj	-12121 Feb 07 j 05:39	21° \mathbb{M} 50'04	0°55'00	minimum elong	-12120 Jan 18 j 08:36	2° \mathbb{M} 24'23	2°32'22
minimum elong	-12121 Feb 07 j 07:58	21° \mathbb{M} 46'44	0°53'42	min. Earth dist.	-12120 Jan 19 j 00:23	2° \mathbb{M} 01'39	0.55556 AU
desc. node	-12121 Feb 10 j 19:46	19° \mathbb{M} 51'01			-12120 Jan 22 j 18:23	30° \mathbb{R} \mathfrak{A}	
morning rise	-12121 Feb 16 j 13:41	17° \mathbb{M} 46'32		morning rise	-12120 Jan 27 j 11:09	28° \mathfrak{A} 17'30	
direct	-12121 Feb 18 j 21:19	17° \mathbb{M} 33'54		desc. node	-12120 Jan 28 j 16:30	28° \mathfrak{A} 04'23	
morning max el	-12121 Mar 02 j 09:19	23° \mathbb{M} 03'03	20°54'36	direct	-12120 Jan 30 j 12:23	27° \mathfrak{A} 56'53	
	-12121 Mar 08 j 07:14	0° \mathfrak{A}			-12120 Feb 06 j 19:53	0° \mathbb{M}	
morning set	-12121 Mar 21 j 15:38	23° \mathfrak{A} 46'35		morning max el	-12120 Feb 12 j 10:09	4° \mathbb{M} 14'48	22°22'51
asc. node	-12121 Mar 22 j 15:53	25° \mathfrak{A} 51'16			-12120 Feb 29 j 18:45	0° \mathfrak{A}	
	-12121 Mar 24 j 15:56	0° \mathfrak{B}		morning set	-12120 Mar 05 j 01:59	8° \mathfrak{A} 41'10	
				asc. node	-12120 Mar 08 j 13:00	15° \mathfrak{A} 58'09	
superior conj	-12121 Mar 29 j 06:33	9° \mathfrak{B} 31'56	0°58'06	superior conj	-12120 Mar 12 j 08:19	24° \mathfrak{A} 02'00	0°35'06
minimum elong	-12121 Mar 29 j 04:08	9° \mathfrak{B} 19'34	0°57'00	minimum elong	-12120 Mar 12 j 06:50	23° \mathfrak{A} 54'08	0°34'08
max. Earth dist.	-12121 Apr 02 j 11:53	18° \mathfrak{B} 01'52	1.35583 AU		-12120 Mar 15 j 04:57	0° \mathfrak{B}	
evening rise	-12121 Apr 06 j 23:03	26° \mathfrak{B} 38'04		max. Earth dist.	-12120 Mar 15 j 07:08	0° \mathfrak{B} 11'11	1.34373 AU
	-12121 Apr 08 j 18:32	0° \approx		evening rise	-12120 Mar 20 j 08:42	10° \mathfrak{B} 21'13	
	-12121 Apr 27 j 01:38	0° \mathfrak{H}			-12120 Mar 31 j 04:51	0° \approx	
desc. node	-12121 May 09 j 18:47	16° \mathfrak{H} 21'06			-12120 Apr 21 j 14:53	0° \mathfrak{H}	
evening max el	-12121 May 12 j 11:10	19° \mathfrak{H} 09'04	26°31'20	evening max el	-12120 Apr 23 j 22:07	2° \mathfrak{H} 21'59	27°13'35
retrograde	-12121 May 25 j 08:14	26° \mathfrak{H} 33'54		desc. node	-12120 Apr 25 j 16:07	4° \mathfrak{H} 00'28	
evening set	-12121 May 31 j 20:52	23° \mathfrak{H} 47'32		retrograde	-12120 May 07 j 09:03	9° \mathfrak{H} 55'42	
min. Earth dist.	-12121 Jun 04 j 20:41	19° \mathfrak{H} 32'05	0.65786 AU	evening set	-12120 May 14 j 05:39	7° \mathfrak{H} 11'40	
inferior conj	-12121 Jun 06 j 10:58	17° \mathfrak{H} 34'05	-3°00'58	min. Earth dist.	-12120 May 17 j 23:41	3° \mathfrak{H} 32'29	0.64542 AU
minimum elong	-12121 Jun 06 j 13:04	17° \mathfrak{H} 27'38	3°00'47	inferior conj	-12120 May 20 j 04:28	1° \mathfrak{H} 03'06	-3°19'55
morning rise	-12121 Jun 12 j 05:28	11° \mathfrak{H} 48'00		minimum elong	-12120 May 20 j 05:48	0° \mathfrak{H} 59'18	3°20'10
direct	-12121 Jun 15 j 10:16	10° \mathfrak{H} 49'41			-12120 May 21 j 02:55	30° \mathbb{R} \approx	
asc. node	-12121 Jun 18 j 16:24	11° \mathfrak{H} 46'36		morning rise	-12120 May 26 j 06:30	25° \approx 32'35	
morning max el	-12121 Jun 22 j 05:54	14° \mathfrak{H} 39'15	18°52'49	direct	-12120 May 29 j 05:11	24° \approx 46'02	
	-12121 Jul 03 j 09:48	0° \mathbb{Y}		morning max el	-12120 Jun 04 j 17:35	28° \approx 16'54	18°19'11
morning set	-12121 Jul 13 j 16:36	16° \mathbb{Y} 25'43		asc. node	-12120 Jun 04 j 13:12	28° \approx 05'58	
	-12121 Jul 22 j 04:26	0° \mathfrak{B}			-12120 Jun 06 j 07:21	0° \mathfrak{H}	
superior conj	-12121 Jul 29 j 10:23	11° \mathfrak{B} 29'18	0°41'43	morning set	-12120 Jun 23 j 12:53	26° \mathfrak{H} 50'01	
minimum elong	-12121 Jul 29 j 15:13	11° \mathfrak{B} 48'28	0°41'37		-12120 Jun 25 j 10:21	0° \mathbb{Y}	
max. Earth dist.	-12121 Jul 29 j 11:07	11° \mathfrak{B} 32'11	1.44578 AU	superior conj	-12120 Jul 07 j 13:58	19° \mathbb{Y} 54'05	1°19'42
desc. node	-12121 Aug 05 j 15:18	22° \mathfrak{B} 54'10		minimum elong	-12120 Jul 07 j 20:29	20° \mathbb{Y} 20'14	1°19'20
	-12121 Aug 10 j 02:17	0° \mathbb{I}		max. Earth dist.	-12120 Jul 11 j 03:08	25° \mathbb{Y} 34'32	1.44272 AU
evening rise	-12121 Aug 14 j 11:00	6° \mathbb{I} 59'04			-12120 Jul 13 j 22:04	0° \mathfrak{B}	
	-12121 Aug 29 j 02:07	0° \mathfrak{B}		desc. node	-12120 Jul 22 j 12:43	13° \mathfrak{B} 31'34	
evening max el	-12121 Sep 04 j 17:15	8° \mathfrak{B} 29'12	18°54'42	evening rise	-12120 Jul 24 j 04:53	16° \mathfrak{B} 08'19	
retrograde	-12121 Sep 11 j 13:33	12° \mathfrak{B} 20'46			-12120 Aug 02 j 03:29	0° \mathbb{I}	
evening set	-12121 Sep 14 j 15:06	11° \mathfrak{B} 27'18		greatest brilliancy	-12120 Aug 04 j 20:23	4° \mathbb{I} 07'35	-0.7m
asc. node	-12121 Sep 14 j 17:01	11° \mathfrak{B} 24'30		evening max el	-12120 Aug 18 j 01:15	21° \mathbb{I} 59'14	19°43'11
inferior conj	-12121 Sep 20 j 11:49	5° \mathfrak{B} 41'24	1°45'39	retrograde	-12120 Aug 25 j 09:41	26° \mathbb{I} 13'20	
minimum elong	-12121 Sep 20 j 09:24	5° \mathfrak{B} 48'46	1°45'30	evening set	-12120 Aug 28 j 20:29	25° \mathbb{I} 04'18	
min. Earth dist.	-12121 Sep 22 j 01:56	3° \mathfrak{B} 44'56	0.65226 AU	asc. node	-12120 Aug 31 j 14:02	22° \mathbb{I} 36'57	
	-12121 Sep 25 j 12:56	30° \mathbb{R} \mathbb{I}		inferior conj	-12120 Sep 03 j 10:21	19° \mathbb{I} 07'04	0°53'23
morning rise	-12121 Sep 26 j 03:12	29° \mathbb{I} 28'34		minimum elong	-12120 Sep 03 j 09:07	19° \mathbb{I} 11'03	0°53'36
direct	-12121 Oct 02 j 13:38	26° \mathbb{I} 47'26		min. Earth dist.	-12120 Sep 04 j 12:38	17° \mathbb{I} 41'33	0.66174 AU
	-12121 Oct 10 j 14:12	0° \mathfrak{B}		morning rise	-12120 Sep 08 j 21:27	12° \mathbb{I} 48'13	
morning max el	-12121 Oct 15 j 11:47	4° \mathfrak{B} 14'24	26°39'45	direct	-12120 Sep 14 j 18:35	10° \mathbb{I} 18'06	
desc. node	-12121 Nov 01 j 14:35	25° \mathfrak{B} 54'40		morning max el	-12120 Sep 26 j 21:42	17° \mathbb{I} 27'10	25°35'03
	-12121 Nov 04 j 07:27	0° \mathbb{O}			-12120 Oct 07 j 11:51	0° \mathfrak{B}	
morning set	-12121 Nov 20 j 05:20	27° \mathbb{O} 18'04		desc. node	-12120 Oct 18 j 11:22	15° \mathfrak{B} 47'10	
	-12121 Nov 21 j 15:13	0° \mathbb{M}			-12120 Oct 27 j 06:16	0° \mathbb{O}	
max. Earth dist.	-12121 Nov 24 j 14:35	5° \mathbb{M} 49'55	1.35030 AU	morning set	-12120 Nov 01 j 22:46	9° \mathbb{O} 58'32	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

max. Earth dist.	-12120 Nov 05 j 21:08	17°♎15'05	1.36596 AU	morning max el	-12119 Sep 09 j 07:30	0°♐42'26	24°16'24
					-12119 Oct 01 j 11:18	0°♑	
superior conj	-12120 Nov 11 j 13:55	28°♎20'06	-1°37'26	desc. node	-12119 Oct 05 j 08:15	5°♑59'30	
minimum elong	-12120 Nov 11 j 14:20	28°♎22'10	1°37'01	morning set	-12119 Oct 14 j 19:24	21°♑34'07	
	-12120 Nov 12 j 09:53	0°♐		max. Earth dist.	-12119 Oct 18 j 21:04	28°♑42'39	1.38473 AU
evening rise	-12120 Nov 19 j 12:54	14°♐28'19			-12119 Oct 19 j 14:17	0°♎	
asc. node	-12120 Nov 27 j 12:30	29°♐43'33					
	-12120 Nov 27 j 16:19	0°♑		superior conj	-12119 Oct 25 j 20:44	11°♎38'14	-1°36'06
evening max el	-12120 Dec 07 j 09:01	13°♑09'37	19°52'44	minimum elong	-12119 Oct 25 j 19:32	11°♎32'30	1°35'30
retrograde	-12120 Dec 17 j 05:08	17°♑47'18		evening rise	-12119 Nov 03 j 12:58	28°♎35'04	
evening set	-12120 Dec 19 j 19:18	17°♑29'32			-12119 Nov 04 j 06:16	0°♐	
inferior conj	-12120 Dec 28 j 06:47	13°♑25'38	3°44'33	asc. node	-12119 Nov 14 j 09:51	18°♐12'50	
minimum elong	-12120 Dec 28 j 11:33	13°♑18'10	3°43'38	evening max el	-12119 Nov 20 j 04:34	25°♐25'25	18°57'34
min. Earth dist.	-12120 Dec 30 j 13:31	12°♑00'13	0.56376 AU	retrograde	-12119 Nov 28 j 15:59	29°♐29'53	
morning rise	-12119 Jan 06 j 01:49	8°♑49'04		evening set	-12119 Dec 01 j 03:53	29°♐10'09	
direct	-12119 Jan 10 j 09:17	8°♑07'39		inferior conj	-12119 Dec 09 j 02:44	24°♐49'37	4°15'14
desc. node	-12119 Jan 14 j 13:12	8°♑47'20		minimum elong	-12119 Dec 09 j 03:55	24°♐47'31	4°15'16
morning max el	-12119 Jan 24 j 02:39	14°♑59'19	23°59'32	min. Earth dist.	-12119 Dec 12 j 03:44	22°♐39'50	0.57819 AU
	-12119 Feb 04 j 20:40	0°♒		morning rise	-12119 Dec 17 j 01:59	19°♐49'12	
morning set	-12119 Feb 17 j 14:14	23°♒44'24		direct	-12119 Dec 22 j 16:54	18°♐34'15	
	-12119 Feb 20 j 12:57	0°♑		desc. node	-12118 Jan 01 j 09:52	22°♐08'18	
asc. node	-12119 Feb 23 j 10:09	6°♑12'47		morning max el	-12118 Jan 05 j 17:32	25°♐44'15	25°31'32
					-12118 Jan 09 j 18:02	0°♑	
superior conj	-12119 Feb 24 j 15:24	8°♑50'21	0°11'32		-12118 Jan 28 j 18:26	0°♒	
minimum elong	-12119 Feb 24 j 14:56	8°♑47'51	0°10'47	morning set	-12118 Feb 02 j 02:38	8°♒50'04	
behind sun begin	-12119 Feb 24 j 11:09	8°♑27'27					
behind sun end	-12119 Feb 24 j 18:44	9°♑08'13		superior conj	-12118 Feb 09 j 01:47	23°♒50'29	-0°11'41
max. Earth dist.	-12119 Feb 26 j 11:46	12°♑47'43	1.33514 AU	minimum elong	-12118 Feb 09 j 02:17	23°♒53'12	0°12'09
evening rise	-12119 Mar 04 j 04:38	24°♑37'19		behind sun begin	-12118 Feb 08 j 23:03	23°♒35'39	
	-12119 Mar 06 j 22:08	0°♑		behind sun end	-12118 Feb 09 j 05:30	24°♒10'46	
	-12119 Mar 24 j 18:50	0°♒		max. Earth dist.	-12118 Feb 09 j 22:40	25°♒44'01	1.32987 AU
evening max el	-12119 Apr 06 j 07:57	15°♒14'41	27°27'19	asc. node	-12118 Feb 10 j 07:22	26°♒31'16	
desc. node	-12119 Apr 12 j 13:24	20°♒16'45			-12118 Feb 11 j 22:02	0°♑	
retrograde	-12119 Apr 20 j 03:36	22°♒48'50		evening rise	-12118 Feb 16 j 07:44	9°♑16'09	
evening set	-12119 Apr 27 j 01:44	20°♒19'54			-12118 Feb 27 j 07:40	0°♑	
min. Earth dist.	-12119 Apr 30 j 17:53	17°♒09'40	0.62927 AU	evening max el	-12118 Mar 19 j 14:10	27°♒35'54	27°08'35
inferior conj	-12119 May 03 j 12:44	14°♒19'53	-3°25'59		-12118 Mar 22 j 06:26	0°♒	
minimum elong	-12119 May 03 j 12:43	14°♒19'54	3°26'31	desc. node	-12118 Mar 30 j 10:35	4°♒39'02	
morning rise	-12119 May 10 j 00:50	9°♒07'14		retrograde	-12118 Apr 02 j 15:01	5°♒05'47	
direct	-12119 May 12 j 18:36	8°♒30'53		evening set	-12118 Apr 09 j 05:52	3°♒03'51	
morning max el	-12119 May 19 j 07:21	11°♒53'17	18°03'28	min. Earth dist.	-12118 Apr 13 j 02:57	0°♒10'29	0.61035 AU
asc. node	-12119 May 22 j 10:00	15°♒29'46			-12118 Apr 13 j 07:50	30°♒	
	-12119 May 31 j 14:21	0°♑		inferior conj	-12118 Apr 16 j 08:27	27°♒17'24	-3°14'36
morning set	-12119 Jun 05 j 09:30	8°♑23'04		minimum elong	-12118 Apr 16 j 06:40	27°♒21'25	3°15'04
				morning rise	-12118 Apr 23 j 09:30	22°♒24'24	
superior conj	-12119 Jun 17 j 14:03	29°♑19'08	1°42'22	direct	-12118 Apr 25 j 22:50	21°♒56'58	
minimum elong	-12119 Jun 17 j 17:44	29°♑34'30	1°42'10	morning max el	-12118 May 02 j 20:40	25°♒22'43	18°06'16
	-12119 Jun 17 j 23:52	0°♑			-12118 May 06 j 18:17	0°♒	
max. Earth dist.	-12119 Jun 23 j 16:22	9°♑20'09	1.43309 AU	asc. node	-12118 May 09 j 06:49	3°♒44'01	
evening rise	-12119 Jul 03 j 05:56	24°♑30'40		morning set	-12118 May 19 j 02:14	20°♒55'20	
	-12119 Jul 06 j 19:02	0°♑			-12118 May 24 j 01:30	0°♑	
desc. node	-12119 Jul 09 j 10:11	4°♑01'50					
	-12119 Jul 27 j 10:35	0°♒		superior conj	-12118 May 29 j 17:15	10°♑04'57	1°49'11
evening max el	-12119 Aug 01 j 02:59	5°♒25'57	20°46'12	minimum elong	-12118 May 29 j 17:16	10°♑05'03	1°48'55
retrograde	-12119 Aug 09 j 06:19	10°♒11'55		max. Earth dist.	-12118 Jun 06 j 00:08	22°♑31'45	1.41817 AU
evening set	-12119 Aug 13 j 04:29	8°♒44'09			-12118 Jun 10 j 13:23	0°♑	
asc. node	-12119 Aug 18 j 11:00	2°♒46'22		evening rise	-12118 Jun 12 j 12:12	3°♑08'10	
inferior conj	-12119 Aug 18 j 13:22	2°♒38'22	0°01'52	desc. node	-12118 Jun 26 j 07:42	24°♑20'54	
minimum elong	-12119 Aug 18 j 13:19	2°♒38'33	0°02'27		-12118 Jun 30 j 05:01	0°♑	
transit middle	-12119 Aug 18 j 13:19	2°♒38'33	0°02'27	evening max el	-12118 Jul 14 j 21:40	18°♑48'13	22°00'50
transit begin	-12119 Aug 18 j 10:37	2°♒47'42		retrograde	-12118 Jul 24 j 01:44	24°♑14'03	
transit end	-12119 Aug 18 j 16:01	2°♒29'23		evening set	-12118 Jul 28 j 13:02	22°♑25'27	
min. Earth dist.	-12119 Aug 19 j 04:39	1°♒46'33	0.66821 AU	inferior conj	-12118 Aug 02 j 18:58	16°♑13'46	-0°47'10
	-12119 Aug 20 j 12:48	30°♒		minimum elong	-12118 Aug 02 j 19:56	16°♑10'28	0°46'18
morning rise	-12119 Aug 23 j 21:59	26°♑17'22		min. Earth dist.	-12118 Aug 02 j 23:42	15°♑57'27	0.67173 AU
direct	-12119 Aug 29 j 04:47	24°♑03'24		asc. node	-12118 Aug 05 j 07:55	12°♑50'12	
	-12119 Sep 08 j 14:25	0°♒		morning rise	-12118 Aug 08 j 02:44	9°♑54'16	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

direct	-12118 Aug 12 j 19:37	7°♄58'29		asc. node	-12117 Jul 23 j 04:44	23°♄47'42	
morning max el	-12118 Aug 22 j 18:58	13°♄58'36	22°52'28	direct	-12117 Jul 27 j 14:18	21°♄59'37	
	-12118 Sep 04 j 14:39	0°♄		morning max el	-12117 Aug 05 j 10:35	27°♄17'25	21°31'16
desc. node	-12118 Sep 22 j 05:12	26°♄25'21			-12117 Aug 07 j 21:36	0°♄	
	-12118 Sep 24 j 10:32	0°♄			-12117 Aug 29 j 05:28	0°♄	
morning set	-12118 Sep 25 j 14:34	1°♄54'12		morning set	-12117 Sep 05 j 08:33	11°♄03'18	
max. Earth dist.	-12118 Sep 30 j 20:44	10°♄41'07	1.40453 AU	desc. node	-12117 Sep 09 j 02:17	17°♄00'22	
				max. Earth dist.	-12117 Sep 13 j 00:57	23°♄24'59	1.42266 AU
					-12117 Sep 16 j 23:56	0°♄	
superior conj	-12118 Oct 08 j 11:13	24°♄03'38	-1°25'19				
minimum elong	-12118 Oct 08 j 08:09	23°♄49'46	1°24'26				
	-12118 Oct 11 j 16:54	0°♄		superior conj	-12117 Sep 20 j 03:41	5°♄22'08	-1°02'57
evening rise	-12118 Oct 18 j 04:33	12°♄12'34		minimum elong	-12117 Sep 19 j 23:30	5°♄04'13	1°01'48
	-12118 Oct 28 j 02:41	0°♄		evening rise	-12117 Oct 01 j 08:05	25°♄12'29	
asc. node	-12118 Nov 01 j 07:10	5°♄53'32			-12117 Oct 03 j 23:38	0°♄	
evening max el	-12118 Nov 03 j 08:47	8°♄09'38	18°22'38	evening max el	-12117 Oct 17 j 19:05	21°♄15'47	18°07'41
retrograde	-12118 Nov 10 j 20:28	11°♄53'07		asc. node	-12117 Oct 19 j 04:24	22°♄31'37	
evening set	-12118 Nov 13 j 07:42	11°♄29'57		retrograde	-12117 Oct 24 j 16:13	24°♄49'16	
inferior conj	-12118 Nov 20 j 17:52	6°♄48'33	4°11'36	evening set	-12117 Oct 27 j 04:41	24°♄20'53	
minimum elong	-12118 Nov 20 j 15:49	6°♄52'49	4°11'44	inferior conj	-12117 Nov 03 j 02:47	19°♄18'24	3°44'35
min. Earth dist.	-12118 Nov 23 j 22:22	4°♄11'28	0.59602 AU	minimum elong	-12117 Nov 02 j 23:09	19°♄26'58	3°44'24
morning rise	-12118 Nov 27 j 22:15	1°♄26'37		min. Earth dist.	-12117 Nov 06 j 00:37	16°♄34'17	0.61446 AU
	-12118 Dec 01 j 08:36	30°♄		morning rise	-12117 Nov 09 j 16:20	13°♄38'22	
direct	-12118 Dec 04 j 11:55	29°♄34'10		direct	-12117 Nov 16 j 16:47	11°♄15'35	
	-12118 Dec 07 j 16:39	0°♄		morning max el	-12117 Nov 30 j 14:13	18°♄43'02	27°25'36
morning max el	-12118 Dec 18 j 12:43	6°♄54'40	26°43'54	desc. node	-12117 Dec 06 j 03:05	24°♄43'35	
desc. node	-12118 Dec 19 j 06:28	7°♄37'58			-12117 Dec 10 j 06:18	0°♄	
	-12117 Jan 04 j 21:24	0°♄			-12117 Dec 28 j 12:30	0°♄	
morning set	-12117 Jan 17 j 13:17	23°♄49'58		morning set	-12116 Jan 01 j 20:12	8°♄36'42	
	-12117 Jan 20 j 11:09	0°♄		max. Earth dist.	-12116 Jan 08 j 00:12	21°♄41'17	1.32913 AU
superior conj	-12117 Jan 24 j 13:33	8°♄54'35	-0°33'44	superior conj	-12116 Jan 09 j 01:05	23°♄56'30	-0°53'54
minimum elong	-12117 Jan 24 j 14:51	9°♄01'42	0°33'55	minimum elong	-12116 Jan 09 j 02:56	24°♄06'34	0°53'53
max. Earth dist.	-12117 Jan 24 j 12:02	8°♄46'18	1.32781 AU		-12116 Jan 11 j 19:52	0°♄	
asc. node	-12117 Jan 28 j 04:39	16°♄48'26		asc. node	-12116 Jan 15 j 01:57	6°♄59'54	
evening rise	-12117 Jan 31 j 15:24	24°♄07'51		evening rise	-12116 Jan 16 j 01:43	9°♄05'21	
	-12117 Feb 03 j 12:25	0°♄			-12116 Jan 27 j 00:53	0°♄	
	-12117 Feb 21 j 11:57	0°♄		evening max el	-12116 Feb 11 j 10:33	20°♄29'25	25°01'21
evening max el	-12117 Mar 01 j 14:56	9°♄19'16	26°17'58	retrograde	-12116 Feb 25 j 10:01	27°♄32'14	
retrograde	-12117 Mar 15 j 17:58	16°♄40'08		evening set	-12116 Mar 01 j 06:53	26°♄37'31	
desc. node	-12117 Mar 17 j 07:40	16°♄33'53		desc. node	-12116 Mar 03 j 04:38	25°♄48'20	
evening set	-12117 Mar 21 j 15:31	15°♄12'33		min. Earth dist.	-12116 Mar 07 j 00:13	23°♄35'00	0.57251 AU
min. Earth dist.	-12117 Mar 26 j 04:16	12°♄21'15	0.59047 AU	inferior conj	-12116 Mar 09 j 20:17	21°♄40'26	-1°36'24
inferior conj	-12117 Mar 29 j 11:57	9°♄46'46	-2°39'53	minimum elong	-12116 Mar 09 j 17:08	21°♄45'47	1°36'14
minimum elong	-12117 Mar 29 j 08:39	9°♄53'13	2°39'56	morning rise	-12116 Mar 18 j 06:37	17°♄25'02	
morning rise	-12117 Apr 06 j 04:48	5°♄13'46		direct	-12116 Mar 20 j 11:24	17°♄10'43	
direct	-12117 Apr 08 j 13:37	4°♄53'55		morning max el	-12116 Mar 29 j 10:22	21°♄25'31	19°09'39
morning max el	-12117 Apr 16 j 06:43	8°♄36'44	18°28'11		-12116 Apr 05 j 04:54	0°♄	
asc. node	-12117 Apr 26 j 03:41	22°♄36'51		asc. node	-12116 Apr 12 j 00:35	11°♄59'01	
	-12117 Apr 30 j 04:26	0°♄		morning set	-12116 Apr 15 j 05:34	18°♄13'14	
morning set	-12117 May 02 j 10:17	4°♄15'29			-12116 Apr 21 j 04:35	0°♄	
superior conj	-12117 May 11 j 20:34	22°♄04'06	1°43'38	superior conj	-12116 Apr 23 j 18:34	5°♄01'38	1°29'42
minimum elong	-12117 May 11 j 18:18	21°♄53'40	1°43'04	minimum elong	-12116 Apr 23 j 15:32	4°♄46'57	1°28'48
	-12117 May 16 j 05:46	0°♄		max. Earth dist.	-12116 Apr 30 j 02:00	16°♄52'12	1.38144 AU
max. Earth dist.	-12117 May 19 j 02:02	4°♄59'35	1.40009 AU	evening rise	-12116 May 04 j 02:42	24°♄04'00	
evening rise	-12117 May 23 j 17:43	12°♄54'26			-12116 May 07 j 13:30	0°♄	
	-12117 Jun 03 j 10:25	0°♄			-12116 May 27 j 02:53	0°♄	
desc. node	-12117 Jun 13 j 05:13	14°♄23'14		desc. node	-12116 May 30 j 02:44	4°♄01'13	
	-12117 Jun 25 j 10:05	0°♄		evening max el	-12116 Jun 08 j 20:27	15°♄28'18	24°43'53
evening max el	-12117 Jun 27 j 10:30	2°♄07'56	23°22'23	retrograde	-12116 Jun 20 j 07:48	22°♄14'38	
retrograde	-12117 Jul 07 j 18:38	8°♄16'30		evening set	-12116 Jun 26 j 00:06	19°♄46'01	
evening set	-12117 Jul 12 j 20:15	6°♄06'48		min. Earth dist.	-12116 Jun 30 j 13:12	14°♄28'47	0.66953 AU
	-12117 Jul 17 j 22:57	30°♄		inferior conj	-12116 Jul 01 j 06:40	13°♄30'05	-2°12'11
inferior conj	-12117 Jul 18 j 01:20	29°♄51'48	-1°32'17	minimum elong	-12116 Jul 01 j 08:52	13°♄22'42	2°11'24
minimum elong	-12117 Jul 18 j 03:04	29°♄45'49	1°31'21	morning rise	-12116 Jul 06 j 17:35	7°♄24'15	
min. Earth dist.	-12117 Jul 17 j 19:21	0°♄12'25	0.67222 AU	asc. node	-12116 Jul 09 j 01:30	6°♄14'31	
morning rise	-12117 Jul 23 j 09:50	23°♄37'25		direct	-12116 Jul 10 j 11:26	6°♄03'09	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning max el	-12116 Jul 18 j 08:07	10° Υ 40'49	20°18'56	min. Earth dist.	-12115 Jun 14 j 02:52	28° H 44'12	0.66331 AU
	-12116 Aug 01 j 17:23	0° B		inferior conj	-12115 Jun 15 j 09:08	27° H 07'21	-2°45'28
morning set	-12116 Aug 14 j 12:06	19° B 33'04		minimum elong	-12115 Jun 15 j 11:24	27° H 00'05	2°45'01
	-12116 Aug 21 j 04:02	0° II		morning rise	-12115 Jun 21 j 00:18	21° H 13'17	
max. Earth dist.	-12116 Aug 25 j 11:19	6° II 51'18	1.43659 AU	direct	-12115 Jun 24 j 09:27	20° H 07'04	
desc. node	-12116 Aug 25 j 23:28	7° II 40'05		asc. node	-12115 Jun 25 j 22:17	20° H 20'06	
				morning max el	-12115 Jul 01 j 12:11	24° H 11'19	19°19'46
superior conj	-12116 Aug 30 j 17:07	15° II 21'08	-0°28'09		-12115 Jul 06 j 07:30	0° Υ	
minimum elong	-12116 Aug 30 j 14:22	15° II 09'53	0°27'08	morning set	-12115 Jul 24 j 21:00	28° Υ 19'21	
	-12116 Sep 08 j 11:29	0° B			-12115 Jul 25 j 22:33	0° B	
evening rise	-12116 Sep 12 j 18:42	7° B 22'36		max. Earth dist.	-12115 Aug 08 j 02:38	20° B 47'21	1.44450 AU
	-12116 Sep 26 j 13:32	0° Ω					
evening max el	-12116 Sep 30 j 08:27	4° Ω 36'03	18°11'52	superior conj	-12115 Aug 10 j 04:45	24° B 06'18	0°15'49
asc. node	-12116 Oct 05 j 01:35	7° Ω 50'43		minimum elong	-12115 Aug 10 j 06:41	24° B 14'03	0°16'09
retrograde	-12116 Oct 06 j 23:20	8° Ω 09'23		behind sun begin	-12115 Aug 10 j 04:54	24° B 06'54	
evening set	-12116 Oct 09 j 15:12	7° Ω 33'26		behind sun end	-12115 Aug 10 j 08:29	24° B 21'12	
inferior conj	-12116 Oct 16 j 02:15	2° Ω 11'39	3°03'37	desc. node	-12115 Aug 12 j 20:44	28° B 21'20	
minimum elong	-12116 Oct 15 j 22:30	2° Ω 21'36	3°03'14		-12115 Aug 13 j 21:24	0° II	
	-12116 Oct 18 j 03:52	30° R B		evening rise	-12115 Aug 25 j 06:52	18° II 29'35	
min. Earth dist.	-12116 Oct 18 j 12:24	29° B 37'53	0.63135 AU		-12115 Sep 01 j 07:05	0° B	
morning rise	-12116 Oct 22 j 04:54	26° B 16'26		evening max el	-12115 Sep 13 j 21:53	18° B 03'58	18°34'06
direct	-12116 Oct 29 j 05:23	23° B 36'41		retrograde	-12115 Sep 20 j 14:05	21° B 46'14	
	-12116 Nov 10 j 16:02	0° Ω		asc. node	-12115 Sep 21 j 22:43	21° B 35'57	
morning max el	-12116 Nov 11 j 20:55	1° Ω 08'04	27°32'45	evening set	-12115 Sep 23 j 11:30	20° B 59'57	
desc. node	-12116 Nov 21 j 23:42	12° Ω 57'57		inferior conj	-12115 Sep 29 j 12:57	15° B 21'42	2°15'12
	-12116 Dec 03 j 07:33	0° H		minimum elong	-12115 Sep 29 j 09:55	15° B 30'32	2°14'53
morning set	-12116 Dec 15 j 21:04	23° H 02'12		min. Earth dist.	-12115 Oct 01 j 10:09	13° B 09'51	0.64553 AU
	-12116 Dec 19 j 06:44	0° B		morning rise	-12115 Oct 05 j 07:45	9° B 14'21	
max. Earth dist.	-12116 Dec 21 j 07:39	4° B 17'29	1.33413 AU	direct	-12115 Oct 12 j 00:39	6° B 30'54	
				morning max el	-12115 Oct 25 j 06:37	14° B 01'23	27°07'10
superior conj	-12116 Dec 23 j 10:40	8° B 50'05	-1°11'27		-12115 Nov 07 j 10:21	0° Ω	
minimum elong	-12116 Dec 23 j 12:44	9° B 01'09	1°11'17	desc. node	-12115 Nov 08 j 20:22	2° Ω 01'05	
evening rise	-12116 Dec 30 j 12:58	24° B 02'38			-12115 Nov 25 j 20:57	0° H	
asc. node	-12116 Dec 31 j 23:17	27° B 01'07		morning set	-12115 Nov 29 j 12:54	6° H 56'36	
	-12115 Jan 02 j 10:24	0° H		max. Earth dist.	-12115 Dec 04 j 06:59	16° H 25'40	1.34321 AU
	-12115 Jan 21 j 18:26	0° H					
evening max el	-12115 Jan 23 j 03:54	1° H 22'17	23°29'45	superior conj	-12115 Dec 07 j 16:20	23° H 28'10	-1°25'28
retrograde	-12115 Feb 05 j 13:11	7° H 54'08		minimum elong	-12115 Dec 07 j 18:11	23° H 37'52	1°25'12
evening set	-12115 Feb 09 j 09:01	7° H 22'04			-12115 Dec 10 j 18:24	0° B	
min. Earth dist.	-12115 Feb 16 j 16:44	3° H 57'21	0.55969 AU	evening rise	-12115 Dec 14 j 23:30	8° B 53'27	
inferior conj	-12115 Feb 18 j 09:26	2° H 56'21	-0°05'03	asc. node	-12115 Dec 18 j 20:39	16° B 46'21	
minimum elong	-12115 Feb 18 j 09:12	2° H 56'42	0°05'36		-12115 Dec 26 j 06:19	0° H	
transit middle	-12115 Feb 18 j 09:12	2° H 56'42	0°05'36	evening max el	-12114 Jan 04 j 23:47	12° H 19'32	21°56'28
transit begin	-12115 Feb 18 j 05:26	3° H 02'21		retrograde	-12114 Jan 17 j 05:55	18° H 08'56	
transit end	-12115 Feb 18 j 12:57	2° H 51'03		evening set	-12114 Jan 20 j 07:42	17° H 47'55	
desc. node	-12115 Feb 18 j 01:30	3° H 08'17		inferior conj	-12114 Jan 29 j 09:08	13° H 43'40	1°39'09
	-12115 Feb 23 j 20:15	30° R H		minimum elong	-12114 Jan 29 j 13:13	13° H 37'53	1°37'27
morning rise	-12115 Feb 27 j 11:32	28° H 51'54		min. Earth dist.	-12114 Jan 29 j 07:05	13° H 46'37	0.55456 AU
direct	-12115 Mar 01 j 15:54	28° H 39'54		desc. node	-12114 Feb 04 j 22:17	10° H 26'29	
	-12115 Mar 07 j 03:03	0° H		morning rise	-12114 Feb 07 j 18:59	9° H 37'32	
morning max el	-12115 Mar 12 j 04:44	3° H 39'45	20°10'55	direct	-12114 Feb 10 j 08:28	9° H 22'40	
	-12115 Mar 29 j 00:57	0° B		morning max el	-12114 Feb 22 j 11:50	15° H 13'03	21°30'37
asc. node	-12115 Mar 29 j 21:34	1° B 43'29			-12114 Mar 05 j 13:36	0° H	
morning set	-12115 Mar 30 j 08:46	2° B 39'57		morning set	-12114 Mar 14 j 17:09	17° H 26'21	
				asc. node	-12114 Mar 16 j 18:38	21° H 43'26	
superior conj	-12115 Apr 07 j 06:22	18° B 44'22	1°10'33		-12114 Mar 20 j 17:26	0° B	
minimum elong	-12115 Apr 07 j 03:33	18° B 30'13	1°09'29				
max. Earth dist.	-12115 Apr 12 j 06:35	28° B 35'08	1.36437 AU	superior conj	-12114 Mar 22 j 03:56	2° B 59'40	0°48'29
	-12115 Apr 13 j 00:21	0° \approx		minimum elong	-12114 Mar 22 j 01:53	2° B 49'03	0°47'26
evening rise	-12115 Apr 16 j 11:04	6° \approx 26'29		max. Earth dist.	-12114 Mar 25 j 20:07	10° B 30'37	1.35023 AU
	-12115 Apr 30 j 09:01	0° H		evening rise	-12114 Mar 30 j 12:54	19° B 44'02	
desc. node	-12115 May 17 j 00:10	23° H 05'10			-12114 Apr 05 j 02:30	0° \approx	
evening max el	-12115 May 22 j 06:22	28° H 50'55	25°56'42		-12114 Apr 24 j 08:26	0° H	
	-12115 May 23 j 11:01	0° Υ		desc. node	-12114 May 03 j 21:34	11° H 20'34	
retrograde	-12115 Jun 03 j 16:33	6° Υ 04'22		evening max el	-12114 May 04 j 17:00	12° H 09'15	26°52'20
evening set	-12115 Jun 09 j 22:34	3° Υ 22'07		retrograde	-12114 May 17 j 20:18	19° H 38'33	
	-12115 Jun 13 j 02:31	30° R H		evening set	-12114 May 24 j 13:09	16° H 51'32	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

min. Earth dist.	-12114 May 28 j 10:10	12° H 52'22	0.65312 AU			-12113 May 07 j 21:47	30° R	
inferior conj	-12114 May 30 j 06:35	10° H 40'05	-3°10'21	min. Earth dist.	-12113 May 11 j 09:24	26° A 44'03	0.63894 AU	
minimum elong	-12114 May 30 j 08:26	10° H 34'35	3°10'22	inferior conj	-12113 May 13 j 20:30	24° A 03'55	-3°24'20	
morning rise	-12114 Jun 05 j 04:01	5° H 00'31		minimum elong	-12113 May 13 j 21:20	24° A 01'38	3°24'44	
direct	-12114 Jun 08 j 06:07	4° H 07'22		morning rise	-12113 May 20 j 02:31	18° A 41'06		
asc. node	-12114 Jun 12 j 19:03	5° H 54'51		direct	-12113 May 22 j 22:57	17° A 59'11		
morning max el	-12114 Jun 14 j 21:40	7° H 47'21	18°36'26	morning max el	-12113 May 29 j 10:36	21° A 25'06	18°10'20	
	-12114 Jun 30 j 04:22	0° Y		asc. node	-12113 May 30 j 15:50	22° A 43'09		
morning set	-12114 Jul 05 j 02:43	8° Y 03'23			-12113 Jun 05 j 00:25	0° H		
	-12114 Jul 18 j 17:34	0° B		morning set	-12113 Jun 16 j 09:41	18° H 57'11		
					-12113 Jun 22 j 22:15	0° Y		
superior conj	-12114 Jul 20 j 04:45	2° B 19'47	0°59'22	superior conj	-12113 Jun 29 j 15:26	11° Y 05'34	1°31'22	
minimum elong	-12114 Jul 20 j 10:58	2° B 44'27	0°59'05	minimum elong	-12113 Jun 29 j 21:06	11° Y 28'38	1°31'05	
max. Earth dist.	-12114 Jul 21 j 19:34	4° B 53'40	1.44539 AU	max. Earth dist.	-12113 Jul 04 j 10:33	18° Y 50'08	1.43931 AU	
desc. node	-12114 Jul 30 j 18:06	19° B 01'06			-12113 Jul 11 j 11:45	0° B		
evening rise	-12114 Aug 05 j 16:05	28° B 21'54		evening rise	-12113 Jul 16 j 00:41	7° B 05'04		
	-12114 Aug 06 j 16:54	0° II		desc. node	-12113 Jul 17 j 15:33	9° B 35'49		
	-12114 Aug 26 j 21:58	0° E			-12113 Jul 31 j 01:58	0° II		
evening max el	-12114 Aug 28 j 08:32	1° E 34'23	19°13'21	evening max el	-12113 Aug 11 j 13:59	15° II 02'58	20°08'18	
retrograde	-12114 Sep 04 j 09:09	5° E 34'34		retrograde	-12113 Aug 19 j 05:52	19° II 30'02		
evening set	-12114 Sep 07 j 14:23	4° E 34'48		evening set	-12113 Aug 22 j 21:09	18° II 13'30		
asc. node	-12114 Sep 08 j 19:47	3° E 41'30		asc. node	-12113 Aug 26 j 16:48	14° II 21'46		
	-12114 Sep 12 j 07:21	30° R II		inferior conj	-12113 Aug 28 j 08:40	12° II 12'08	0°31'19	
inferior conj	-12114 Sep 13 j 07:56	28° II 43'24	1°23'31	minimum elong	-12113 Aug 28 j 07:57	12° II 14'31	0°31'43	
minimum elong	-12114 Sep 13 j 06:01	28° II 49'26	1°23'30	min. Earth dist.	-12113 Aug 29 j 06:12	11° II 00'36	0.66481 AU	
min. Earth dist.	-12114 Sep 14 j 16:48	26° II 59'56	0.65665 AU	morning rise	-12113 Sep 02 j 18:29	5° II 51'37		
morning rise	-12114 Sep 18 j 21:16	22° II 27'28		direct	-12113 Sep 08 j 09:26	3° II 27'57		
direct	-12114 Sep 25 j 02:07	19° II 50'31		morning max el	-12113 Sep 20 j 03:01	10° II 26'26	25°02'46	
morning max el	-12114 Oct 07 j 17:07	27° II 11'22	26°14'34		-12113 Oct 05 j 18:10	0° E		
	-12114 Oct 10 j 09:26	0° E		desc. node	-12113 Oct 13 j 13:55	11° E 40'29		
desc. node	-12114 Oct 26 j 17:06	21° E 38'51			-12113 Oct 24 j 16:36	0° II		
	-12114 Nov 01 j 01:24	0° II		morning set	-12113 Oct 26 j 01:14	2° II 23'31		
morning set	-12114 Nov 12 j 15:57	20° II 08'40		max. Earth dist.	-12113 Oct 29 j 22:46	9° II 26'29	1.37365 AU	
max. Earth dist.	-12114 Nov 16 j 19:50	28° II 04'38	1.35651 AU					
	-12114 Nov 17 j 19:23	0° III		superior conj	-12113 Nov 05 j 05:41	21° II 25'02	-1°37'53	
superior conj	-12114 Nov 21 j 15:44	7° III 43'15	-1°34'47	minimum elong	-12113 Nov 05 j 05:29	21° II 24'01	1°37'25	
minimum elong	-12114 Nov 21 j 16:50	7° III 48'53	1°34'26		-12113 Nov 09 j 13:21	0° III		
evening rise	-12114 Nov 29 j 07:37	23° III 32'11		evening rise	-12113 Nov 13 j 11:14	7° III 51'51		
	-12114 Dec 02 j 12:34	0° A		asc. node	-12113 Nov 22 j 15:24	25° III 00'31		
asc. node	-12114 Dec 05 j 18:01	6° A 09'05			-12113 Nov 25 j 22:01	0° A		
evening max el	-12114 Dec 18 j 03:19	23° A 42'00	20°33'09	evening max el	-12113 Nov 30 j 17:04	5° A 38'21	19°26'48	
retrograde	-12114 Dec 28 j 21:23	28° A 44'51		retrograde	-12113 Dec 09 j 22:33	10° A 00'27		
evening set	-12114 Dec 31 j 13:47	28° A 27'17		evening set	-12113 Dec 12 j 11:19	9° A 42'12		
inferior conj	-12113 Jan 09 j 07:42	24° A 27'36	3°08'45	inferior conj	-12113 Dec 20 j 17:34	5° A 32'26	4°02'22	
minimum elong	-12113 Jan 09 j 13:28	24° A 19'03	3°07'10	minimum elong	-12113 Dec 20 j 20:57	5° A 26'50	4°01'56	
min. Earth dist.	-12113 Jan 10 j 20:34	23° A 33'00	0.55809 AU	min. Earth dist.	-12113 Dec 23 j 10:12	3° A 46'05	0.56928 AU	
morning rise	-12113 Jan 18 j 11:39	20° A 04'18		morning rise	-12113 Dec 29 j 04:25	0° A 45'03		
direct	-12113 Jan 22 j 00:24	19° A 36'52			-12112 Jan 01 j 01:12	30° R III		
desc. node	-12113 Jan 22 j 19:01	19° A 38'14		direct	-12112 Jan 03 j 01:42	29° R 50'30		
morning max el	-12113 Feb 04 j 08:40	26° A 11'05	23°03'44		-12112 Jan 05 j 02:09	0° A		
	-12113 Feb 07 j 22:39	0° III		desc. node	-12112 Jan 09 j 15:41	1° A 29'47		
	-12113 Feb 26 j 00:32	0° X		morning max el	-12112 Jan 16 j 23:44	6° A 52'24	24°40'08	
morning set	-12113 Feb 27 j 04:32	2° X 25'14			-12112 Feb 02 j 17:47	0° III		
asc. node	-12113 Mar 03 j 15:45	11° X 53'56		morning set	-12112 Feb 11 j 17:03	17° III 29'47		
					-12112 Feb 17 j 12:51	0° X		
superior conj	-12113 Mar 06 j 08:16	17° X 38'18	0°25'07	superior conj	-12112 Feb 18 j 16:59	2° X 32'18	0°01'36	
minimum elong	-12113 Mar 06 j 07:13	17° X 32'41	0°24'14	minimum elong	-12112 Feb 18 j 16:56	2° X 32'04	0°00'58	
max. Earth dist.	-12113 Mar 08 j 19:28	22° X 50'43	1.33960 AU	behind sun begin	-12112 Feb 18 j 11:51	2° X 04'34		
	-12113 Mar 12 j 06:53	0° B		behind sun end	-12112 Feb 18 j 22:01	2° X 59'34		
evening rise	-12113 Mar 14 j 03:21	3° B 42'02		asc. node	-12112 Feb 18 j 12:57	2° X 10'29		
	-12113 Mar 28 j 21:40	0° A		max. Earth dist.	-12112 Feb 20 j 02:55	5° X 35'21	1.33244 AU	
evening max el	-12113 Apr 17 j 03:30	25° A 13'40	27°23'09	evening rise	-12112 Feb 26 j 02:39	18° X 08'36		
desc. node	-12113 Apr 20 j 18:54	28° A 27'32			-12112 Mar 03 j 05:13	0° B		
	-12113 Apr 22 j 21:40	0° H			-12112 Mar 22 j 10:34	0° A		
retrograde	-12113 Apr 30 j 18:40	2° H 49'01		evening max el	-12112 Mar 29 j 12:00	7° A 53'42	27°23'29	
evening set	-12113 May 07 j 16:57	0° H 09'25						

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

desc. node	-12112 Apr 06 j 16:08	13° \approx 59'10	retrograde	-12111 Mar 25 j 18:37	27° \approx 25'44	
retrograde	-12112 Apr 12 j 10:39	15° \approx 27'23	evening set	-12111 Apr 01 j 03:05	25° \approx 38'23	
evening set	-12112 Apr 19 j 06:41	13° \approx 08'37	min. Earth dist.	-12111 Apr 05 j 05:32	22° \approx 47'25	0.60179 AU
min. Earth dist.	-12112 Apr 22 j 23:49	10° \approx 07'09	inferior conj	-12111 Apr 08 j 13:07	19° \approx 59'44	-3°03'08
inferior conj	-12112 Apr 25 j 23:52	7° \approx 13'18	minimum elong	-12111 Apr 08 j 10:36	20° \approx 05'07	3°03'27
minimum elong	-12112 Apr 25 j 23:08	7° \approx 15'05	morning rise	-12111 Apr 15 j 20:31	15° \approx 14'58	
morning rise	-12112 May 02 j 17:07	2° \approx 08'53	direct	-12111 Apr 18 j 07:57	14° \approx 50'55	
direct	-12112 May 05 j 08:49	1° \approx 36'38	morning max el	-12111 Apr 25 j 12:43	18° \approx 22'28	18°13'12
morning max el	-12112 May 12 j 00:31	4° \approx 59'21	asc. node	-12111 May 03 j 09:27	29° \approx 01'17	
asc. node	-12112 May 16 j 12:38	10° \approx 29'49		-12111 May 03 j 23:29	0° \approx	
	-12112 May 28 j 02:49	0° \approx	morning set	-12111 May 11 j 15:16	13° \approx 50'12	
morning set	-12112 May 28 j 15:28	0° \approx 56'33		-12111 May 20 j 09:19	0° \approx	
superior conj	-12112 Jun 09 j 03:00	21° \approx 04'39	superior conj	-12111 May 21 j 16:58	2° \approx 22'13	1°48'07
minimum elong	-12112 Jun 09 j 05:03	21° \approx 13'19	minimum elong	-12111 May 21 j 15:48	2° \approx 17'03	1°47'43
	-12112 Jun 14 j 10:48	0° \approx	max. Earth dist.	-12111 May 29 j 02:16	15° \approx 14'02	1.41071 AU
max. Earth dist.	-12112 Jun 15 j 21:08	2° \approx 20'58	evening rise	-12111 Jun 03 j 15:44	24° \approx 27'24	
evening rise	-12112 Jun 24 j 01:00	15° \approx 25'18		-12111 Jun 07 j 02:35	0° \approx	
desc. node	-12112 Jul 03 j 13:04	0° \approx 01'57	desc. node	-12111 Jun 20 j 10:36	20° \approx 14'18	
	-12112 Jul 03 j 12:33	0° \approx		-12111 Jun 27 j 09:59	0° \approx	
evening max el	-12112 Jul 24 j 12:46	28° \approx 28'04	evening max el	-12111 Jul 07 j 04:48	11° \approx 48'59	22°35'08
	-12112 Jul 26 j 03:05	0° \approx	retrograde	-12111 Jul 16 j 20:30	17° \approx 32'29	
retrograde	-12112 Aug 02 j 02:10	3° \approx 30'24	evening set	-12111 Jul 21 j 13:49	15° \approx 34'55	
evening set	-12112 Aug 06 j 05:38	1° \approx 54'12	inferior conj	-12111 Jul 26 j 19:08	9° \approx 21'49	-1°06'51
	-12112 Aug 08 j 05:33	30° \approx	minimum elong	-12111 Jul 26 j 20:27	9° \approx 17'15	1°05'55
inferior conj	-12112 Aug 11 j 13:02	25° \approx 45'44	min. Earth dist.	-12111 Jul 26 j 19:25	9° \approx 20'52	0.67235 AU
minimum elong	-12112 Aug 11 j 13:26	25° \approx 44'22	asc. node	-12111 Jul 30 j 10:33	4° \approx 41'13	
min. Earth dist.	-12112 Aug 11 j 23:53	25° \approx 08'32	morning rise	-12111 Aug 01 j 03:00	3° \approx 04'11	
asc. node	-12112 Aug 12 j 13:43	24° \approx 21'25	direct	-12111 Aug 05 j 14:32	1° \approx 15'56	
morning rise	-12112 Aug 16 j 21:04	19° \approx 24'43	morning max el	-12111 Aug 15 j 01:51	6° \approx 57'33	22°17'11
direct	-12112 Aug 21 j 21:54	17° \approx 18'06		-12111 Sep 01 j 15:51	0° \approx	
morning max el	-12112 Sep 01 j 13:06	23° \approx 41'41	desc. node	-12111 Sep 16 j 07:52	22° \approx 29'21	
	-12112 Sep 07 j 02:37	0° \approx	morning set	-12111 Sep 16 j 19:19	23° \approx 15'18	
	-12112 Sep 28 j 04:37	0° \approx		-12111 Sep 20 j 22:38	0° \approx	
desc. node	-12112 Sep 29 j 10:50	1° \approx 59'08	max. Earth dist.	-12111 Sep 22 j 22:37	3° \approx 19'42	1.41266 AU
morning set	-12112 Oct 06 j 11:26	13° \approx 27'45				
max. Earth dist.	-12112 Oct 10 j 21:15	21° \approx 01'54	superior conj	-12111 Sep 30 j 12:06	16° \approx 21'46	-1°17'22
	-12112 Oct 15 j 21:26	0° \approx	minimum elong	-12111 Sep 30 j 08:23	16° \approx 05'19	1°16'21
superior conj	-12112 Oct 18 j 06:13	4° \approx 22'34		-12111 Oct 08 j 00:20	0° \approx	
minimum elong	-12112 Oct 18 j 04:13	4° \approx 13'14	evening rise	-12111 Oct 10 j 18:59	5° \approx 09'28	
evening rise	-12112 Oct 27 j 08:03	21° \approx 46'41	asc. node	-12111 Oct 26 j 10:00	0° \approx 26'43	
	-12112 Oct 31 j 15:20	0° \approx		-12111 Oct 26 j 00:06	0° \approx	
asc. node	-12112 Nov 08 j 12:44	13° \approx 10'33	evening max el	-12111 Oct 26 j 23:53	1° \approx 02'13	18°13'50
evening max el	-12112 Nov 12 j 16:40	18° \approx 07'15	retrograde	-12111 Nov 03 j 04:05	4° \approx 39'58	
retrograde	-12112 Nov 20 j 16:35	22° \approx 00'45	evening set	-12111 Nov 05 j 15:44	4° \approx 14'40	
evening set	-12112 Nov 23 j 04:07	21° \approx 39'41		-12111 Nov 12 j 04:03	30° \approx	
inferior conj	-12112 Nov 30 j 21:35	17° \approx 10'48	inferior conj	-12111 Nov 12 j 20:38	29° \approx 23'54	4°02'21
minimum elong	-12112 Nov 30 j 21:13	17° \approx 11'30	minimum elong	-12111 Nov 12 j 17:42	29° \approx 30'20	4°02'23
min. Earth dist.	-12112 Dec 04 j 01:52	14° \approx 46'46	min. Earth dist.	-12111 Nov 15 j 23:08	26° \approx 41'44	0.60401 AU
morning rise	-12112 Dec 08 j 12:26	12° \approx 00'58	morning rise	-12111 Nov 19 j 18:14	23° \approx 54'13	
direct	-12112 Dec 14 j 14:47	10° \approx 29'27	direct	-12111 Nov 26 j 14:02	21° \approx 47'41	
desc. node	-12112 Dec 26 j 12:17	15° \approx 49'01	morning max el	-12111 Dec 10 j 13:24	29° \approx 10'24	27°05'47
morning max el	-12112 Dec 28 j 15:40	17° \approx 44'30		-12111 Dec 11 j 09:38	0° \approx	
	-12111 Jan 07 j 21:03	0° \approx	desc. node	-12111 Dec 13 j 08:53	2° \approx 03'34	
	-12111 Jan 24 j 23:24	0° \approx		-12110 Jan 01 j 13:35	0° \approx	
morning set	-12111 Jan 26 j 04:52	2° \approx 33'09	morning set	-12110 Jan 10 j 14:13	17° \approx 28'52	
				-12110 Jan 16 j 10:55	0° \approx	
			max. Earth dist.	-12110 Jan 17 j 04:47	1° \approx 37'24	1.32802 AU
superior conj	-12111 Feb 02 j 04:07	17° \approx 34'27	superior conj	-12110 Jan 17 j 16:01	2° \approx 38'47	-0°42'34
minimum elong	-12111 Feb 02 j 04:59	17° \approx 39'10	minimum elong	-12110 Jan 17 j 17:35	2° \approx 47'21	0°42'39
max. Earth dist.	-12111 Feb 02 j 15:14	18° \approx 35'03	asc. node	-12110 Jan 22 j 07:29	12° \approx 44'20	
asc. node	-12111 Feb 04 j 10:11	22° \approx 28'38	evening rise	-12110 Jan 24 j 17:01	17° \approx 49'25	
	-12111 Feb 07 j 22:38	0° \approx		-12110 Jan 30 j 19:28	0° \approx	
evening rise	-12111 Feb 09 j 07:57	2° \approx 53'39		-12110 Feb 20 j 03:15	0° \approx	
	-12111 Feb 24 j 03:36	0° \approx	evening max el	-12110 Feb 21 j 14:46	1° \approx 28'07	25°47'58
evening max el	-12111 Mar 11 j 16:13	19° \approx 59'22	retrograde	-12110 Mar 07 j 16:48	8° \approx 41'49	
desc. node	-12111 Mar 24 j 13:16	27° \approx 21'50				

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

desc. node	-12110 Mar 11 j 10:15	8° Z 08'00		retrograde	-12109 Feb 17 j 03:29	19° Z 19'18	
evening set	-12110 Mar 13 j 04:39	7° Z 28'59		evening set	-12109 Feb 21 j 13:28	18° Z 35'27	
min. Earth dist.	-12110 Mar 18 j 04:05	4° Z 34'34	0.58247 AU	desc. node	-12109 Feb 26 j 07:08	16° Z 23'40	
inferior conj	-12110 Mar 21 j 08:45	2° Z 15'00	-2°16'39	min. Earth dist.	-12109 Feb 27 j 22:04	15° Z 25'00	0.56632 AU
minimum elong	-12110 Mar 21 j 05:13	2° Z 21'30	2°16'33	inferior conj	-12109 Mar 02 j 08:35	13° Z 51'50	-1°00'33
	-12110 Mar 24 j 14:44	30° R Z		minimum elong	-12109 Mar 02 j 06:19	13° Z 55'28	1°00'33
morning rise	-12110 Mar 29 j 08:56	27° Z 49'51		morning rise	-12109 Mar 11 j 02:14	9° Z 42'43	
direct	-12110 Mar 31 j 16:06	27° Z 32'30		direct	-12109 Mar 13 j 06:07	9° Z 29'53	
	-12110 Apr 07 j 03:48	0° Z		morning max el	-12109 Mar 22 j 20:27	14° Z 01'59	19°33'23
morning max el	-12110 Apr 08 j 20:22	1° Z 26'45	18°43'24		-12109 Apr 03 j 02:06	0° Z	
asc. node	-12110 Apr 20 j 06:20	18° Z 07'37		asc. node	-12109 Apr 07 j 03:18	7° Z 39'56	
morning set	-12110 Apr 25 j 04:34	27° Z 27'42		morning set	-12109 Apr 09 j 03:33	11° Z 38'37	
	-12110 Apr 26 j 11:59	0° \approx					
superior conj	-12110 May 04 j 04:55	14° \approx 47'57	1°38'32	superior conj	-12109 Apr 17 j 09:23	28° Z 06'28	1°22'03
minimum elong	-12110 May 04 j 02:10	14° \approx 35'01	1°37'49	minimum elong	-12109 Apr 17 j 06:21	27° Z 51'32	1°21'04
max. Earth dist.	-12110 May 11 j 03:12	27° \approx 26'45	1.39212 AU		-12109 Apr 18 j 08:36	0° \approx	
	-12110 May 12 j 14:05	0° X		max. Earth dist.	-12109 Apr 23 j 04:14	9° \approx 11'07	1.37385 AU
evening rise	-12110 May 15 j 09:07	4° X 48'58		evening rise	-12109 Apr 27 j 04:43	16° \approx 31'05	
	-12110 May 31 j 05:46	0° Y			-12109 May 05 j 01:35	0° X	
desc. node	-12110 Jun 07 j 08:06	10° Y 06'53		desc. node	-12109 May 25 j 05:32	29° X 31'34	
evening max el	-12110 Jun 19 j 16:02	25° Y 08'14	23°57'33		-12109 May 25 j 14:34	0° Y	
	-12110 Jun 25 j 14:21	0° Z		evening max el	-12109 Jun 02 j 01:29	8° Y 28'49	25°16'25
retrograde	-12110 Jun 30 j 11:47	1° Z 33'22		retrograde	-12109 Jun 13 j 23:16	15° Y 28'45	
	-12110 Jul 04 j 21:22	30° R Y		evening set	-12109 Jun 19 j 21:41	12° Y 53'09	
evening set	-12110 Jul 05 j 19:49	29° Y 14'56		min. Earth dist.	-12109 Jun 24 j 06:46	7° Y 52'41	0.66728 AU
min. Earth dist.	-12110 Jul 10 j 14:27	23° Y 36'18	0.67151 AU	inferior conj	-12109 Jun 25 j 05:36	6° Y 37'18	-2°27'15
inferior conj	-12110 Jul 11 j 01:15	22° Y 59'24	-1°49'56	minimum elong	-12109 Jun 25 j 07:53	6° Y 29'45	2°26'36
minimum elong	-12110 Jul 11 j 03:13	22° Y 52'38	1°49'03	morning rise	-12109 Jun 30 j 18:06	0° Y 36'18	
morning rise	-12110 Jul 16 j 10:35	16° Y 48'33			-12109 Jul 01 j 18:27	30° R X	
asc. node	-12110 Jul 17 j 07:21	16° Y 13'17		direct	-12109 Jul 04 j 07:56	29° X 21'59	
direct	-12110 Jul 20 j 10:20	15° Y 18'07		asc. node	-12109 Jul 04 j 04:09	29° X 22'08	
morning max el	-12110 Jul 28 j 19:53	20° Y 17'48	20°59'11		-12109 Jul 07 j 00:05	0° Y	
	-12110 Aug 05 j 17:15	0° Z		morning max el	-12109 Jul 11 j 20:23	3° Y 44'40	19°52'02
	-12110 Aug 25 j 21:54	0° II			-12109 Jul 30 j 13:40	0° Z	
morning set	-12110 Aug 27 j 05:09	2° II 01'42		morning set	-12109 Aug 06 j 08:32	10° Z 31'56	
desc. node	-12110 Sep 03 j 05:00	13° II 06'35			-12109 Aug 18 j 17:22	0° II	
max. Earth dist.	-12110 Sep 05 j 06:04	16° II 24'50	1.42920 AU	max. Earth dist.	-12109 Aug 18 j 18:42	0° II 05'19	1.44065 AU
				desc. node	-12109 Aug 21 j 02:14	3° II 47'23	
superior conj	-12110 Sep 11 j 17:28	27° II 06'58	-0°49'40	superior conj	-12109 Aug 22 j 19:07	6° II 31'46	-0°10'11
minimum elong	-12110 Sep 11 j 13:28	26° II 50'12	0°48'29	minimum elong	-12109 Aug 22 j 18:03	6° II 27'29	0°09'25
	-12110 Sep 13 j 10:24	0° S		behind sun begin	-12109 Aug 22 j 09:08	5° II 51'34	
evening rise	-12110 Sep 23 j 15:59	17° S 49'55		behind sun end	-12109 Aug 23 j 02:58	7° II 03'26	
	-12110 Sep 30 j 14:13	0° Q		evening rise	-12109 Sep 05 j 17:49	29° II 35'15	
evening max el	-12110 Oct 10 j 11:49	14° Q 14'59	18°07'09		-12109 Sep 05 j 23:41	0° S	
asc. node	-12110 Oct 13 j 07:13	16° Q 33'21		evening max el	-12109 Sep 24 j 01:32	27° S 39'03	18°19'12
retrograde	-12110 Oct 17 j 05:23	17° Q 47'36			-12109 Sep 26 j 20:42	0° Q	
evening set	-12110 Oct 19 j 19:00	17° Q 16'18		asc. node	-12109 Sep 30 j 04:23	1° Q 14'12	
inferior conj	-12110 Oct 26 j 12:12	12° Q 05'00	3°28'31	retrograde	-12109 Sep 30 j 16:18	1° Q 15'31	
minimum elong	-12110 Oct 26 j 08:23	12° Q 14'30	3°28'13	evening set	-12109 Oct 03 j 10:07	0° Q 35'42	
min. Earth dist.	-12110 Oct 29 j 05:15	9° Q 23'41	0.62186 AU		-12109 Oct 04 j 11:31	30° R S	
morning rise	-12110 Nov 01 j 20:40	6° Q 17'58		inferior conj	-12109 Oct 09 j 16:54	25° S 06'36	2°43'47
direct	-12110 Nov 08 j 22:04	3° Q 46'39		minimum elong	-12109 Oct 09 j 13:23	25° S 16'21	2°43'22
morning max el	-12110 Nov 22 j 17:36	11° Q 16'05	27°32'59	min. Earth dist.	-12109 Oct 11 j 21:35	22° S 40'50	0.63765 AU
desc. node	-12110 Nov 30 j 05:30	19° Q 41'21		morning rise	-12109 Oct 15 j 15:51	19° S 05'32	
	-12110 Dec 07 j 15:45	0° P		direct	-12109 Oct 22 j 13:43	16° S 22'35	
	-12110 Dec 24 j 17:34	0° Q		morning max el	-12109 Nov 05 j 02:06	23° S 55'21	27°25'37
morning set	-12110 Dec 25 j 18:55	2° Q 08'02			-12109 Nov 10 j 16:01	0° Q	
max. Earth dist.	-12110 Dec 31 j 15:37	14° Q 27'05	1.33084 AU	desc. node	-12109 Nov 17 j 02:11	8° Q 18'42	
					-12109 Nov 30 j 21:41	0° P	
superior conj	-12109 Jan 02 j 02:57	17° Q 37'58	-1°01'44	morning set	-12109 Dec 09 j 16:23	16° P 22'00	
minimum elong	-12109 Jan 02 j 04:56	17° Q 48'44	1°01'37	max. Earth dist.	-12109 Dec 14 j 19:58	26° P 52'01	1.33748 AU
	-12109 Jan 07 j 20:15	0° P			-12109 Dec 16 j 07:40	0° Q	
evening rise	-12109 Jan 09 j 03:57	2° P 47'43					
asc. node	-12109 Jan 09 j 04:48	2° P 52'11		superior conj	-12109 Dec 17 j 11:08	2° Q 25'54	-1°17'54
	-12109 Jan 24 j 03:29	0° Z		minimum elong	-12109 Dec 17 j 13:10	2° Q 36'42	1°17'41
evening max el	-12109 Feb 03 j 08:42	12° Z 27'34	24°23'15	evening rise	-12109 Dec 24 j 15:07	17° Q 42'48	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

asc. node	-12109 Dec 27 j 02:10	22° Ω 47'13		asc. node	-12108 Dec 12 j 23:33	12° Ω 23'41	
	-12109 Dec 30 j 18:44	0° \mathbb{M}			-12108 Dec 23 j 23:21	0° \mathbb{M}	
evening max el	-12108 Jan 16 j 02:21	23° \mathbb{M} 19'09	22°49'24	evening max el	-12108 Dec 28 j 01:14	4° \mathbb{M} 26'19	21°19'24
retrograde	-12108 Jan 29 j 02:04	29° \mathbb{M} 34'36		retrograde	-12107 Jan 08 j 16:40	9° \mathbb{M} 55'15	
evening set	-12108 Feb 01 j 12:48	29° \mathbb{M} 08'37		evening set	-12107 Jan 11 j 13:25	9° \mathbb{M} 36'30	
min. Earth dist.	-12108 Feb 09 j 13:48	25° \mathbb{M} 29'59	0.55649 AU	inferior conj	-12107 Jan 20 j 12:33	5° \mathbb{M} 36'47	2°20'33
inferior conj	-12108 Feb 10 j 14:54	24° \mathbb{M} 53'28	0°39'04	minimum elong	-12107 Jan 20 j 17:52	5° \mathbb{M} 29'11	2°18'41
minimum elong	-12108 Feb 10 j 16:32	24° \mathbb{M} 51'05	0°37'59	min. Earth dist.	-12107 Jan 21 j 04:00	5° \mathbb{M} 14'39	0.55502 AU
desc. node	-12108 Feb 13 j 03:59	23° \mathbb{M} 26'38		morning rise	-12107 Jan 29 j 21:35	1° \mathbb{M} 24'31	
morning rise	-12108 Feb 19 j 21:43	20° \mathbb{M} 50'05		desc. node	-12107 Jan 30 j 00:47	1° \mathbb{M} 22'52	
direct	-12108 Feb 22 j 04:05	20° \mathbb{M} 37'49		direct	-12107 Feb 01 j 19:23	1° \mathbb{M} 05'43	
morning max el	-12108 Mar 04 j 10:15	25° \mathbb{M} 59'33	20°42'44	morning max el	-12107 Feb 14 j 12:41	7° \mathbb{M} 16'54	22°08'55
	-12108 Mar 08 j 02:11	0° \mathbb{A}			-12107 Mar 02 j 05:15	0° \mathbb{A}	
morning set	-12108 Mar 23 j 09:14	26° \mathbb{A} 14'14		morning set	-12107 Mar 07 j 19:11	11° \mathbb{A} 07'19	
asc. node	-12108 Mar 24 j 00:18	27° \mathbb{A} 31'23		asc. node	-12107 Mar 10 j 21:24	17° \mathbb{A} 36'43	
	-12108 Mar 25 j 05:11	0° \mathbb{B}					
superior conj	-12108 Mar 31 j 01:46	12° \mathbb{B} 04'18	1°01'26	superior conj	-12107 Mar 15 j 02:34	26° \mathbb{A} 31'06	0°38'40
minimum elong	-12108 Mar 30 j 23:14	11° \mathbb{B} 51'22	1°00'21	minimum elong	-12107 Mar 15 j 00:56	26° \mathbb{A} 22'28	0°37'40
max. Earth dist.	-12108 Apr 04 j 11:48	20° \mathbb{B} 54'47	1.35793 AU		-12107 Mar 16 j 18:36	0° \mathbb{B}	
evening rise	-12108 Apr 08 j 21:11	29° \mathbb{B} 19'02		max. Earth dist.	-12107 Mar 18 j 05:45	3° \mathbb{B} 01'16	1.34533 AU
	-12108 Apr 09 j 05:59	0° \approx		evening rise	-12107 Mar 23 j 05:01	12° \mathbb{B} 56'28	
	-12108 Apr 27 j 05:53	0° \mathbb{H}			-12107 Apr 01 j 13:35	0° \approx	
desc. node	-12108 May 11 j 02:57	18° \mathbb{H} 16'49			-12107 Apr 22 j 05:16	0° \mathbb{H}	
evening max el	-12108 May 14 j 11:36	21° \mathbb{H} 50'04	26°23'02	evening max el	-12107 Apr 26 j 22:39	5° \mathbb{H} 05'16	27°08'55
retrograde	-12108 May 27 j 06:09	29° \mathbb{H} 12'26		desc. node	-12107 Apr 28 j 00:19	6° \mathbb{H} 06'33	
evening set	-12108 Jun 02 j 17:08	26° \mathbb{H} 26'55		retrograde	-12107 May 10 j 07:43	12° \mathbb{H} 37'47	
min. Earth dist.	-12108 Jun 06 j 18:04	22° \mathbb{H} 05'36	0.65937 AU	evening set	-12107 May 17 j 03:31	9° \mathbb{H} 52'40	
inferior conj	-12108 Jun 08 j 06:13	20° \mathbb{H} 12'59	-2°57'15	min. Earth dist.	-12107 May 20 j 22:18	6° \mathbb{H} 08'26	0.64757 AU
minimum elong	-12108 Jun 08 j 08:23	20° \mathbb{H} 06'16	2°56'59	inferior conj	-12107 May 23 j 00:51	3° \mathbb{H} 43'20	-3°17'52
morning rise	-12108 Jun 13 j 23:47	14° \mathbb{H} 24'39		minimum elong	-12107 May 23 j 02:20	3° \mathbb{H} 39'02	3°18'02
direct	-12108 Jun 17 j 05:38	13° \mathbb{H} 24'21			-12107 May 26 j 13:17	30° \mathbb{R} \approx	
asc. node	-12108 Jun 20 j 00:55	14° \mathbb{H} 06'57		morning rise	-12107 May 29 j 01:36	28° \approx 10'18	
morning max el	-12108 Jun 24 j 02:56	17° \mathbb{H} 17'33	18°59'16	direct	-12107 Jun 01 j 01:10	27° \approx 22'02	
	-12108 Jul 03 j 14:52	0° \mathbb{Y}		asc. node	-12107 Jun 06 j 21:42	0° \mathbb{H} 15'10	
morning set	-12108 Jul 16 j 00:56	19° \mathbb{Y} 38'33			-12107 Jun 06 j 15:01	0° \mathbb{H}	
	-12108 Jul 22 j 12:59	0° \mathbb{B}		morning max el	-12107 Jun 07 j 14:06	0° \mathbb{H} 54'53	18°23'04
				morning set	-12107 Jun 26 j 17:26	29° \mathbb{H} 52'26	
					-12107 Jun 26 j 19:16	0° \mathbb{Y}	
superior conj	-12108 Jul 31 j 23:15	14° \mathbb{B} 55'58	0°35'05	superior conj	-12107 Jul 11 j 01:12	23° \mathbb{Y} 15'38	1°14'50
minimum elong	-12108 Aug 01 j 03:25	15° \mathbb{B} 12'28	0°35'05	minimum elong	-12107 Jul 11 j 07:49	23° \mathbb{Y} 42'05	1°14'30
max. Earth dist.	-12108 Jul 31 j 10:30	14° \mathbb{B} 05'31	1.44567 AU	max. Earth dist.	-12107 Jul 14 j 03:00	28° \mathbb{Y} 09'48	1.44369 AU
desc. node	-12108 Aug 06 j 23:33	24° \mathbb{B} 28'10			-12107 Jul 15 j 06:46	0° \mathbb{B}	
	-12108 Aug 10 j 10:47	0° \mathbb{I}		desc. node	-12107 Jul 24 j 20:56	15° \mathbb{B} 06'06	
evening rise	-12108 Aug 16 j 18:46	10° \mathbb{I} 10'26		evening rise	-12107 Jul 27 j 16:27	19° \mathbb{B} 30'16	
	-12108 Aug 29 j 05:05	0° \mathbb{E}			-12107 Aug 03 j 10:03	0° \mathbb{I}	
evening max el	-12108 Sep 06 j 14:08	11° \mathbb{E} 08'18	18°48'54	greatest brilliancy	-12107 Aug 07 j 12:23	6° \mathbb{I} 18'44	-0.7m
retrograde	-12108 Sep 13 j 09:07	14° \mathbb{E} 57'04		evening max el	-12107 Aug 20 j 22:54	24° \mathbb{I} 38'22	19°34'59
evening set	-12108 Sep 16 j 09:33	14° \mathbb{E} 05'34		retrograde	-12107 Aug 28 j 05:01	28° \mathbb{I} 48'25	
asc. node	-12108 Sep 16 j 01:30	14° \mathbb{E} 16'18		evening set	-12107 Aug 31 j 14:21	27° \mathbb{I} 41'49	
inferior conj	-12108 Sep 22 j 07:27	8° \mathbb{E} 21'40	1°53'30	asc. node	-12107 Sep 02 j 22:34	25° \mathbb{I} 41'30	
minimum elong	-12108 Sep 22 j 04:52	8° \mathbb{E} 29'28	1°53'17	inferior conj	-12107 Sep 06 j 05:07	21° \mathbb{I} 45'58	1°01'15
min. Earth dist.	-12108 Sep 23 j 23:24	6° \mathbb{E} 20'59	0.65062 AU	minimum elong	-12107 Sep 06 j 03:42	21° \mathbb{I} 50'30	1°01'25
morning rise	-12108 Sep 27 j 23:39	2° \mathbb{E} 10'11		min. Earth dist.	-12107 Sep 07 j 09:03	20° \mathbb{I} 15'48	0.66054 AU
	-12108 Oct 01 j 13:23	30° \mathbb{R} \mathbb{I}		morning rise	-12107 Sep 11 j 16:44	15° \mathbb{I} 27'53	
direct	-12108 Oct 04 j 11:55	29° \mathbb{I} 28'03		direct	-12107 Sep 17 j 15:57	12° \mathbb{I} 55'50	
	-12108 Oct 07 j 14:35	0° \mathbb{E}		morning max el	-12107 Sep 29 j 22:14	20° \mathbb{I} 08'04	25°45'49
morning max el	-12108 Oct 17 j 12:11	6° \mathbb{E} 56'12	26°47'37		-12107 Oct 08 j 11:23	0° \mathbb{E}	
desc. node	-12108 Nov 02 j 22:55	27° \mathbb{E} 37'48		desc. node	-12107 Oct 20 j 19:41	17° \mathbb{E} 26'30	
	-12108 Nov 04 j 13:04	0° \mathbb{Q}			-12107 Oct 28 j 15:40	0° \mathbb{Q}	
morning set	-12108 Nov 22 j 03:19	29° \mathbb{Q} 59'49		morning set	-12107 Nov 04 j 23:24	12° \mathbb{Q} 48'33	
	-12108 Nov 22 j 03:21	0° \mathbb{P}		max. Earth dist.	-12107 Nov 08 j 22:47	20° \mathbb{Q} 13'23	1.36336 AU
max. Earth dist.	-12108 Nov 26 j 14:40	8° \mathbb{P} 45'29	1.34829 AU		-12107 Nov 13 j 22:50	0° \mathbb{P}	
superior conj	-12108 Nov 30 j 14:29	16° \mathbb{P} 55'19	-1°30'05	superior conj	-12107 Nov 14 j 10:17	0° \mathbb{P} 57'20	-1°36'58
minimum elong	-12108 Nov 30 j 16:05	17° \mathbb{P} 03'37	1°29'47	minimum elong	-12107 Nov 14 j 10:54	1° \mathbb{P} 00'26	1°36'36
	-12108 Dec 06 j 20:11	0° \mathbb{Q}		evening rise	-12107 Nov 22 j 07:15	17° \mathbb{P} 00'02	
evening rise	-12108 Dec 08 j 00:49	2° \mathbb{Q} 28'54					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12107 Nov 28 j 23:51	0°♄	superior conj	-12106 Oct 28 j 19:07	14°♄22'07	-1°36'52
asc. node	-12107 Nov 29 j 20:56	1°♄34'05	minimum elong	-12106 Oct 28 j 18:11	14°♄17'40	1°36'19
evening max el	-12107 Dec 10 j 09:02	16°♄02'51	20°02'41	-12106 Nov 05 j 18:04	0°♄	
retrograde	-12107 Dec 20 j 10:41	20°♄46'48	evening rise	-12106 Nov 06 j 08:20	1°♄10'34	
evening set	-12107 Dec 23 j 01:22	20°♄29'08	asc. node	-12106 Nov 16 j 18:17	20°♄09'36	
inferior conj	-12107 Dec 31 j 14:35	16°♄26'42	3°36'29	evening max el	-12106 Nov 23 j 03:04	28°♄13'23 19°04'29
minimum elong	-12107 Dec 31 j 19:44	16°♄18'45	3°35'22	-12106 Nov 25 j 05:42	0°♄	
min. Earth dist.	-12106 Jan 02 j 17:05	15°♄09'07	0.56203 AU	retrograde	-12106 Dec 01 j 18:57	2°♄22'11
morning rise	-12106 Jan 09 j 12:14	11°♄53'51	evening set	-12106 Dec 04 j 06:59	2°♄02'55	
direct	-12106 Jan 13 j 14:41	11°♄16'34	inferior conj	-12106 Dec 08 j 22:21	30°♄	
desc. node	-12106 Jan 16 j 21:30	11°♄41'11	minimum elong	-12106 Dec 12 j 07:45	27°♄45'17	4°13'01
morning max el	-12106 Jan 27 j 06:05	18°♄04'01	23°45'07	-12106 Dec 12 j 09:30	27°♄42'12	4°12'58
	-12106 Feb 05 j 23:01	0°♄	min. Earth dist.	-12106 Dec 15 j 07:03	25°♄41'03	0.57573 AU
morning set	-12106 Feb 20 j 07:18	26°♄09'50	morning rise	-12106 Dec 20 j 10:00	22°♄48'05	
	-12106 Feb 22 j 02:52	0°♄	direct	-12106 Dec 25 j 20:29	21°♄38'45	
asc. node	-12106 Feb 25 j 18:33	7°♄50'27	desc. node	-12105 Jan 03 j 18:09	24°♄39'12	
			morning max el	-12105 Jan 08 j 20:52	28°♄47'04	25°18'45
superior conj	-12106 Feb 27 j 09:01	11°♄17'14	0°15'08	-12105 Jan 10 j 02:22	0°♄	
minimum elong	-12106 Feb 27 j 08:24	11°♄13'55	0°14'19	-12105 Jan 30 j 05:41	0°♄	
behind sun begin	-12106 Feb 27 j 06:13	11°♄02'14	morning set	-12105 Feb 04 j 19:45	11°♄15'09	
behind sun end	-12106 Feb 27 j 10:35	11°♄25'35	superior conj	-12105 Feb 11 j 18:59	26°♄15'40	-0°08'13
max. Earth dist.	-12106 Mar 01 j 09:13	15°♄34'17	1.33621 AU	minimum elong	-12105 Feb 11 j 19:21	26°♄17'38 0°08'44
evening rise	-12106 Mar 06 j 23:39	27°♄08'17		behind sun begin	-12105 Feb 11 j 15:07	25°♄54'38
	-12106 Mar 08 j 10:20	0°♄		behind sun end	-12105 Feb 11 j 23:35	26°♄40'37
	-12106 Mar 25 j 21:18	0°♄		asc. node	-12105 Feb 12 j 15:45	28°♄08'21
evening max el	-12106 Apr 09 j 08:45	18°♄01'21	27°27'10	max. Earth dist.	-12105 Feb 12 j 19:16	28°♄27'24 1.33042 AU
desc. node	-12106 Apr 14 j 21:37	22°♄37'09		-12105 Feb 13 j 12:23	0°♄	
retrograde	-12106 Apr 23 j 03:11	25°♄35'45	evening rise	-12105 Feb 19 j 01:48	11°♄43'44	
evening set	-12106 Apr 30 j 01:43	23°♄03'36		-12105 Feb 28 j 16:10	0°♄	
min. Earth dist.	-12106 May 03 j 17:45	19°♄49'52	0.63194 AU	-12105 Mar 22 j 04:23	0°♄	
inferior conj	-12106 May 06 j 10:41	17°♄02'06	-3°26'09	evening max el	-12105 Mar 22 j 15:29	0°♄27'06 27°13'26
minimum elong	-12106 May 06 j 10:55	17°♄01'30	3°26'38	desc. node	-12105 Apr 01 j 18:48	7°♄18'30
morning rise	-12106 May 12 j 21:08	11°♄46'48		retrograde	-12105 Apr 05 j 15:53	7°♄58'18
direct	-12106 May 15 j 15:36	11°♄09'01		evening set	-12105 Apr 12 j 08:25	5°♄51'34
morning max el	-12106 May 22 j 03:44	14°♄31'48	18°04'39	min. Earth dist.	-12105 Apr 16 j 04:06	2°♄56'40 0.61327 AU
asc. node	-12106 May 24 j 18:27	17°♄30'00		inferior conj	-12105 Apr 19 j 08:28	0°♄02'34 -3°17'44
	-12106 Jun 01 j 22:22	0°♄		minimum elong	-12105 Apr 19 j 06:57	0°♄06'03 3°18'14
morning set	-12106 Jun 08 j 10:40	11°♄15'42		-12105 Apr 19 j 09:35	30°♄	
	-12106 Jun 19 j 09:31	0°♄		morning rise	-12105 Apr 26 j 07:25	25°♄06'43
superior conj	-12106 Jun 20 j 21:33	2°♄29'47	1°40'02	direct	-12105 Apr 28 j 21:21	24°♄38'05
minimum elong	-12106 Jun 21 j 01:48	2°♄47'24	1°39'48	morning max el	-12105 May 05 j 17:18	28°♄02'36 18°04'39
max. Earth dist.	-12106 Jun 26 j 16:55	11°♄59'27	1.43490 AU	-12105 May 07 j 12:54	0°♄	
evening rise	-12106 Jul 06 j 18:51	27°♄56'33		asc. node	-12105 May 11 j 15:14	5°♄37'05
	-12106 Jul 08 j 02:40	0°♄		morning set	-12105 May 22 j 00:38	23°♄39'22
desc. node	-12106 Jul 11 j 18:24	5°♄37'50		-12105 May 25 j 12:22	0°♄	
	-12106 Jul 28 j 08:56	0°♄		superior conj	-12105 Jun 01 j 20:41	13°♄03'23 1°49'04
evening max el	-12106 Aug 04 j 01:38	8°♄05'53	20°35'56	minimum elong	-12105 Jun 01 j 21:12	13°♄05'35 1°48'49
retrograde	-12106 Aug 12 j 01:46	12°♄46'44		max. Earth dist.	-12105 Jun 09 j 01:21	25°♄15'56 1.42060 AU
evening set	-12106 Aug 15 j 22:07	11°♄21'54		-12105 Jun 11 j 22:32	0°♄	
asc. node	-12106 Aug 20 j 19:30	5°♄57'50		evening rise	-12105 Jun 15 j 22:46	6°♄27'00
inferior conj	-12106 Aug 21 j 07:37	5°♄17'05	0°09'31	desc. node	-12105 Jun 28 j 15:54	25°♄58'48
minimum elong	-12106 Aug 21 j 07:23	5°♄17'51	0°10'05	-12105 Jul 01 j 09:32	0°♄	
transit middle	-12106 Aug 21 j 07:23	5°♄17'51	0°10'05	evening max el	-12105 Jul 17 j 21:17	21°♄28'29 21°49'09
transit begin	-12106 Aug 21 j 05:14	5°♄25'08		retrograde	-12105 Jul 26 j 21:31	26°♄48'20
transit end	-12106 Aug 21 j 09:33	5°♄10'34		evening set	-12105 Jul 31 j 06:41	25°♄03'01
min. Earth dist.	-12106 Aug 22 j 00:28	4°♄20'12	0.66741 AU	inferior conj	-12105 Aug 05 j 12:55	18°♄52'00 -0°39'58
	-12106 Aug 25 j 13:32	30°♄		minimum elong	-12105 Aug 05 j 13:44	18°♄49'10 0°39'07
morning rise	-12106 Aug 26 j 16:29	28°♄56'06		min. Earth dist.	-12105 Aug 05 j 19:13	18°♄30'14 0.67136 AU
direct	-12106 Sep 01 j 01:21	26°♄39'39		asc. node	-12105 Aug 07 j 16:22	15°♄58'28
	-12106 Sep 08 j 14:13	0°♄		morning rise	-12105 Aug 10 j 20:41	12°♄31'56
morning max el	-12106 Sep 12 j 08:06	3°♄24'02	24°28'42	direct	-12105 Aug 15 j 15:35	10°♄33'21
	-12106 Oct 02 j 17:30	0°♄		morning max el	-12105 Aug 25 j 19:09	16°♄40'00 23°04'58
desc. node	-12106 Oct 07 j 16:32	7°♄36'28		-12105 Sep 05 j 16:52	0°♄	
morning set	-12106 Oct 17 j 23:30	24°♄35'03		desc. node	-12105 Sep 24 j 13:29	28°♄00'40
	-12106 Oct 21 j 01:20	0°♄		-12105 Sep 25 j 19:17	0°♄	
max. Earth dist.	-12106 Oct 21 j 23:29	1°♄39'28	1.38180 AU			


































































































































Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning set	-12105 Sep 28 j 22:37	5° \mathfrak{D} 06'39		max. Earth dist.	-12104 Sep 15 j 01:42	26° \mathfrak{H} 06'54	1.42020 AU
max. Earth dist.	-12105 Oct 03 j 22:33	13° \mathfrak{D} 30'56	1.40163 AU		-12104 Sep 17 j 09:45	0° \mathfrak{D}	
superior conj	-12105 Oct 11 j 12:19	26° \mathfrak{D} 56'06	-1°27'40	superior conj	-12104 Sep 22 j 08:24	8° \mathfrak{D} 25'24	-1°07'10
minimum elong	-12105 Oct 11 j 09:32	26° \mathfrak{D} 43'20	1°26'50	minimum elong	-12104 Sep 22 j 04:17	8° \mathfrak{D} 07'34	1°06'02
	-12105 Oct 13 j 04:19	0° \mathfrak{Q}		evening rise	-12104 Oct 03 j 06:54	27° \mathfrak{D} 58'27	
evening rise	-12105 Oct 21 j 01:22	14° \mathfrak{Q} 52'39			-12104 Oct 04 j 09:33	0° \mathfrak{Q}	
	-12105 Oct 29 j 07:25	0° \mathfrak{P}		evening max el	-12104 Oct 19 j 15:44	23° \mathfrak{Q} 57'10	18°08'40
asc. node	-12105 Nov 03 j 15:36	7° \mathfrak{P} 58'20		asc. node	-12104 Oct 20 j 12:50	24° \mathfrak{Q} 46'49	
evening max el	-12105 Nov 06 j 06:07	10° \mathfrak{P} 53'41	18°26'31	retrograde	-12104 Oct 26 j 14:21	27° \mathfrak{Q} 31'17	
retrograde	-12105 Nov 13 j 20:43	14° \mathfrak{P} 39'22		evening set	-12104 Oct 29 j 02:35	27° \mathfrak{Q} 03'44	
evening set	-12105 Nov 16 j 07:56	14° \mathfrak{P} 16'51		inferior conj	-12104 Nov 05 j 02:25	22° \mathfrak{Q} 04'18	3°49'45
inferior conj	-12105 Nov 23 j 20:00	9° \mathfrak{P} 38'48	4°13'52	minimum elong	-12104 Nov 04 j 22:55	22° \mathfrak{Q} 12'24	3°49'37
minimum elong	-12105 Nov 23 j 18:19	9° \mathfrak{P} 42'12	4°14'03	min. Earth dist.	-12104 Nov 08 j 01:42	19° \mathfrak{Q} 20'03	0.61183 AU
min. Earth dist.	-12105 Nov 27 j 00:52	7° \mathfrak{P} 04'19	0.59330 AU	morning rise	-12104 Nov 11 j 17:56	16° \mathfrak{Q} 26'56	
morning rise	-12105 Dec 01 j 02:57	4° \mathfrak{P} 19'49		direct	-12104 Nov 18 j 17:38	14° \mathfrak{Q} 07'50	
direct	-12105 Dec 07 j 14:04	2° \mathfrak{P} 32'30		morning max el	-12104 Dec 02 j 15:30	21° \mathfrak{Q} 34'03	27°21'32
morning max el	-12105 Dec 21 j 15:06	9° \mathfrak{P} 52'02	26°34'50	desc. node	-12104 Dec 07 j 11:22	26° \mathfrak{Q} 44'16	
desc. node	-12105 Dec 21 j 14:45	9° \mathfrak{P} 51'12			-12104 Dec 10 j 03:18	0° \mathfrak{P}	
	-12104 Jan 06 j 03:18	0° \mathfrak{L}			-12104 Dec 28 j 23:56	0° \mathfrak{L}	
morning set	-12104 Jan 20 j 06:45	26° \mathfrak{L} 15'55		morning set	-12103 Jan 03 j 14:20	11° \mathfrak{L} 05'00	
	-12104 Jan 22 j 01:14	0° \mathfrak{M}		max. Earth dist.	-12103 Jan 09 j 20:57	24° \mathfrak{L} 25'41	1.32872 AU
superior conj	-12104 Jan 27 j 06:39	11° \mathfrak{M} 19'19	-0°30'30	superior conj	-12103 Jan 10 j 18:19	26° \mathfrak{L} 22'00	-0°51'02
minimum elong	-12104 Jan 27 j 07:50	11° \mathfrak{M} 25'50	0°30'43	minimum elong	-12103 Jan 10 j 20:06	26° \mathfrak{L} 31'44	0°51'01
max. Earth dist.	-12104 Jan 27 j 08:21	11° \mathfrak{M} 28'40	1.32788 AU		-12103 Jan 12 j 10:19	0° \mathfrak{M}	
asc. node	-12104 Jan 30 j 13:02	18° \mathfrak{M} 25'57		asc. node	-12103 Jan 16 j 10:21	8° \mathfrak{M} 38'45	
evening rise	-12104 Feb 03 j 08:53	26° \mathfrak{M} 33'44		evening rise	-12103 Jan 17 j 18:57	11° \mathfrak{M} 30'58	
	-12104 Feb 05 j 01:01	0° \mathfrak{N}			-12103 Jan 27 j 08:12	0° \mathfrak{N}	
	-12104 Feb 22 j 10:02	0° \mathfrak{Z}		evening max el	-12103 Feb 13 j 13:32	23° \mathfrak{N} 30'59	25°14'05
evening max el	-12104 Mar 03 j 17:09	12° \mathfrak{Z} 16'18	26°27'29		-12103 Feb 23 j 14:40	0° \mathfrak{Z}	
retrograde	-12104 Mar 17 j 20:19	19° \mathfrak{Z} 39'06		retrograde	-12103 Feb 27 j 14:00	0° \mathfrak{Z} 36'51	
desc. node	-12104 Mar 18 j 15:51	19° \mathfrak{Z} 37'24			-12103 Mar 03 j 13:06	30° \mathfrak{R} \mathfrak{N}	
evening set	-12104 Mar 23 j 20:55	18° \mathfrak{Z} 06'23		evening set	-12103 Mar 04 j 14:46	29° \mathfrak{N} 37'51	
min. Earth dist.	-12104 Mar 28 j 06:34	15° \mathfrak{Z} 15'34	0.59333 AU	desc. node	-12103 Mar 05 j 12:49	29° \mathfrak{N} 14'59	
inferior conj	-12104 Mar 31 j 14:37	12° \mathfrak{Z} 36'53	-2°46'56	min. Earth dist.	-12103 Mar 10 j 03:09	26° \mathfrak{N} 37'47	0.57492 AU
minimum elong	-12104 Mar 31 j 11:29	12° \mathfrak{Z} 43'09	2°47'05	inferior conj	-12103 Mar 13 j 01:55	24° \mathfrak{N} 36'18	-1°48'00
morning rise	-12104 Apr 08 j 04:56	8° \mathfrak{Z} 00'52		minimum elong	-12103 Mar 12 j 22:34	24° \mathfrak{N} 42'06	1°47'49
direct	-12104 Apr 10 j 14:21	7° \mathfrak{Z} 40'02		morning rise	-12103 Mar 21 j 09:36	20° \mathfrak{N} 18'26	
morning max el	-12104 Apr 18 j 04:01	11° \mathfrak{Z} 19'35	18°23'39	direct	-12103 Mar 23 j 14:58	20° \mathfrak{N} 03'24	
asc. node	-12104 Apr 27 j 12:05	24° \mathfrak{Z} 24'52		morning max el	-12103 Apr 01 j 08:47	24° \mathfrak{N} 12'33	19°02'15
	-12104 Apr 30 j 14:40	0° \mathfrak{A}			-12103 Apr 06 j 05:49	0° \mathfrak{Z}	
morning set	-12104 May 04 j 06:43	6° \mathfrak{A} 53'15		asc. node	-12103 Apr 14 j 09:01	13° \mathfrak{Z} 43'15	
				morning set	-12103 Apr 18 j 00:36	20° \mathfrak{Z} 46'17	
superior conj	-12104 May 13 j 20:45	24° \mathfrak{A} 52'30	1°45'06		-12103 Apr 22 j 17:05	0° \mathfrak{A}	
minimum elong	-12104 May 13 j 18:43	24° \mathfrak{A} 43'14	1°44'35	superior conj	-12103 Apr 26 j 16:20	7° \mathfrak{A} 42'20	1°32'12
	-12104 May 16 j 16:47	0° \mathfrak{H}		minimum elong	-12103 Apr 26 j 13:20	7° \mathfrak{A} 27'56	1°31'22
max. Earth dist.	-12104 May 21 j 03:51	7° \mathfrak{H} 49'50	1.40288 AU	max. Earth dist.	-12103 May 03 j 03:59	19° \mathfrak{A} 47'30	1.38418 AU
evening rise	-12104 May 26 j 00:16	16° \mathfrak{H} 01'27		evening rise	-12103 May 07 j 05:22	26° \mathfrak{A} 59'09	
	-12104 Jun 03 j 17:45	0° \mathfrak{Y}			-12103 May 08 j 23:22	0° \mathfrak{H}	
desc. node	-12104 Jun 14 j 13:24	16° \mathfrak{Y} 03'59			-12103 May 28 j 05:45	0° \mathfrak{Y}	
	-12104 Jun 25 j 02:42	0° \mathfrak{B}		desc. node	-12103 Jun 01 j 10:53	5° \mathfrak{Y} 46'07	
evening max el	-12104 Jun 29 j 10:51	4° \mathfrak{B} 48'25	23°10'05	evening max el	-12103 Jun 11 j 21:08	18° \mathfrak{Y} 08'56	24°32'03
retrograde	-12104 Jul 09 j 14:47	10° \mathfrak{B} 50'38		retrograde	-12103 Jun 23 j 04:30	24° \mathfrak{Y} 49'45	
evening set	-12104 Jul 14 j 14:11	8° \mathfrak{B} 44'09		evening set	-12103 Jun 28 j 18:41	22° \mathfrak{Y} 23'42	
inferior conj	-12104 Jul 19 j 19:16	2° \mathfrak{B} 29'35	-1°25'44	min. Earth dist.	-12103 Jul 03 j 09:12	17° \mathfrak{Y} 00'49	0.67020 AU
minimum elong	-12104 Jul 19 j 20:54	2° \mathfrak{B} 23'56	1°24'49	inferior conj	-12103 Jul 04 j 00:53	16° \mathfrak{Y} 07'53	-2°06'32
min. Earth dist.	-12104 Jul 19 j 14:58	2° \mathfrak{B} 44'28	0.67236 AU	minimum elong	-12103 Jul 04 j 03:02	16° \mathfrak{Y} 00'36	2°05'44
	-12104 Jul 21 j 15:30	30° \mathfrak{R} \mathfrak{Y}		morning rise	-12103 Jul 09 j 11:20	10° \mathfrak{Y} 00'38	
asc. node	-12104 Jul 24 j 13:10	26° \mathfrak{Y} 44'40		asc. node	-12103 Jul 11 j 09:57	8° \mathfrak{Y} 56'51	
morning rise	-12104 Jul 25 j 03:33	26° \mathfrak{Y} 14'09		direct	-12103 Jul 13 j 06:42	8° \mathfrak{Y} 37'06	
direct	-12104 Jul 29 j 09:47	24° \mathfrak{Y} 33'38		morning max el	-12103 Jul 21 j 06:27	13° \mathfrak{Y} 20'06	20°28'55
	-12104 Aug 07 j 10:47	0° \mathfrak{B}			-12103 Aug 02 j 22:13	0° \mathfrak{B}	
morning max el	-12104 Aug 07 j 09:51	29° \mathfrak{Y} 57'37	21°42'51	morning set	-12103 Aug 18 j 00:25	22° \mathfrak{B} 56'47	
	-12104 Aug 29 j 12:21	0° \mathfrak{H}			-12103 Aug 22 j 12:34	0° \mathfrak{H}	
morning set	-12104 Sep 07 j 19:51	14° \mathfrak{H} 24'28		desc. node	-12103 Aug 28 j 07:44	9° \mathfrak{H} 13'42	
desc. node	-12104 Sep 10 j 10:33	18° \mathfrak{H} 34'29					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

max. Earth dist.	-12103 Aug 28 j 11:27	9° Π 28'35	1.43488 AU	max. Earth dist.	-12102 Aug 11 j 02:24	23° C 22'07	1.44372 AU
superior conj	-12103 Sep 03 j 02:03	18° Π 36'37	-0°34'08	superior conj	-12102 Aug 13 j 16:59	27° C 31'03	0°08'57
minimum elong	-12103 Sep 02 j 22:51	18° Π 23'27	0°33'04	minimum elong	-12102 Aug 13 j 18:06	27° C 35'31	0°09'23
	-12103 Sep 09 j 21:08	0° C		behind sun begin	-12102 Aug 13 j 08:52	26° C 58'40	
evening rise	-12103 Sep 15 j 20:23	10° C 16'57		behind sun end	-12102 Aug 14 j 03:20	28° C 12'24	
	-12103 Sep 27 j 13:54	0° Ω		desc. node	-12102 Aug 15 j 04:59	29° C 54'53	
evening max el	-12103 Oct 03 j 04:52	7° Ω 16'04	18°10'06		-12102 Aug 15 j 06:16	0° Π	
asc. node	-12103 Oct 07 j 10:01	10° Ω 19'12		evening rise	-12102 Aug 28 j 12:18	21° Π 34'33	
retrograde	-12103 Oct 09 j 20:08	10° Ω 48'53			-12102 Sep 02 j 14:26	0° C	
evening set	-12103 Oct 12 j 11:23	10° Ω 14'09		evening max el	-12102 Sep 16 j 18:27	20° C 43'08	18°29'43
inferior conj	-12103 Oct 18 j 23:59	4° Ω 54'57	3°10'28	retrograde	-12102 Sep 23 j 10:04	24° C 23'43	
minimum elong	-12103 Oct 18 j 20:10	5° Ω 04'52	3°10'05	asc. node	-12102 Sep 24 j 07:10	24° C 19'28	
min. Earth dist.	-12103 Oct 21 j 11:57	2° Ω 18'56	0.62896 AU	evening set	-12102 Sep 26 j 06:29	23° C 39'12	
	-12103 Oct 23 j 23:00	30° R C		inferior conj	-12102 Oct 02 j 09:15	18° C 03'08	2°22'50
morning rise	-12103 Oct 25 j 04:02	29° C 01'53		minimum elong	-12102 Oct 02 j 06:05	18° C 12'16	2°22'30
direct	-12103 Nov 01 j 05:02	26° C 23'58		min. Earth dist.	-12102 Oct 04 j 08:20	15° C 47'31	0.64355 AU
	-12103 Nov 10 j 07:42	0° Ω		morning rise	-12102 Oct 08 j 05:02	11° C 57'16	
morning max el	-12103 Nov 14 j 21:38	3° Ω 54'42	27°33'55	direct	-12102 Oct 14 j 23:19	9° C 13'43	
desc. node	-12103 Nov 24 j 08:02	14° Ω 50'15		morning max el	-12102 Oct 28 j 07:12	16° C 45'05	27°12'56
	-12103 Dec 04 j 14:40	0° M			-12102 Nov 08 j 11:31	0° Ω	
morning set	-12103 Dec 18 j 16:19	25° M 34'51		desc. node	-12102 Nov 11 j 04:43	3° Ω 47'11	
	-12103 Dec 20 j 20:18	0° $\underline{\Omega}$			-12102 Nov 27 j 07:53	0° M	
max. Earth dist.	-12103 Dec 24 j 05:32	7° $\underline{\Omega}$ 06'46	1.33318 AU	morning set	-12102 Dec 02 j 09:45	9° M 34'51	
				max. Earth dist.	-12102 Dec 07 j 06:21	19° M 20'01	1.34160 AU
superior conj	-12103 Dec 26 j 04:21	11° $\underline{\Omega}$ 17'44	-1°09'01	superior conj	-12102 Dec 10 j 10:44	25° M 58'40	-1°23'38
minimum elong	-12103 Dec 26 j 06:24	11° $\underline{\Omega}$ 28'48	1°08'51	minimum elong	-12102 Dec 10 j 12:38	26° M 08'44	1°23'23
evening rise	-12102 Jan 02 j 06:13	26° $\underline{\Omega}$ 29'22			-12102 Dec 12 j 08:16	0° $\underline{\Omega}$	
asc. node	-12102 Jan 03 j 07:43	28° $\underline{\Omega}$ 42'19		evening rise	-12102 Dec 17 j 16:58	11° $\underline{\Omega}$ 21'36	
	-12102 Jan 03 j 22:47	0° M		asc. node	-12102 Dec 21 j 05:05	18° $\underline{\Omega}$ 30'30	
	-12102 Jan 22 j 03:17	0° J			-12102 Dec 27 j 10:57	0° M	
evening max el	-12102 Jan 26 j 06:56	4° J 25'12	23°43'43	evening max el	-12101 Jan 08 j 02:00	15° M 20'10	22°09'54
retrograde	-12102 Feb 08 j 18:57	11° J 02'26		retrograde	-12101 Jan 20 j 13:03	21° M 16'45	
evening set	-12102 Feb 12 j 18:21	10° J 27'40		evening set	-12101 Jan 23 j 16:53	20° M 54'41	
min. Earth dist.	-12102 Feb 19 j 19:56	7° J 07'06	0.56121 AU	inferior conj	-12101 Feb 01 j 18:48	16° M 48'00	1°23'40
desc. node	-12102 Feb 20 j 09:43	6° J 46'20		minimum elong	-12101 Feb 01 j 22:17	16° M 43'01	1°22'04
inferior conj	-12102 Feb 21 j 17:43	5° J 57'35	-0°20'17	min. Earth dist.	-12101 Feb 01 j 10:35	16° M 59'45	0.55481 AU
minimum elong	-12102 Feb 21 j 16:52	5° J 58'52	0°20'39	desc. node	-12101 Feb 07 j 06:33	13° M 56'21	
morning rise	-12102 Mar 02 j 17:49	1° J 52'20		morning rise	-12101 Feb 11 j 04:18	12° M 43'10	
direct	-12102 Mar 04 j 21:54	1° J 40'12		direct	-12101 Feb 13 j 15:24	12° M 29'17	
morning max el	-12102 Mar 15 j 04:40	6° J 32'23	20°00'37	morning max el	-12101 Feb 25 j 13:35	18° M 12'12	21°17'43
	-12102 Mar 30 j 12:41	0° Z			-12101 Mar 06 j 18:38	0° J	
asc. node	-12102 Apr 01 j 06:02	3° Z 24'52		morning set	-12101 Mar 17 j 10:34	19° J 53'04	
morning set	-12102 Apr 02 j 02:49	5° Z 09'14		asc. node	-12101 Mar 19 j 03:06	23° J 22'52	
					-12101 Mar 22 j 07:09	0° Z	
superior conj	-12102 Apr 10 j 02:24	21° Z 19'09	1°13'41	superior conj	-12101 Mar 24 j 22:43	5° Z 30'20	0°51'58
minimum elong	-12102 Apr 09 j 23:30	21° Z 04'42	1°12'38	minimum elong	-12101 Mar 24 j 20:32	5° Z 19'03	0°50'53
	-12102 Apr 14 j 12:42	0° \approx		max. Earth dist.	-12101 Mar 28 j 19:26	13° Z 21'54	1.35210 AU
max. Earth dist.	-12102 Apr 15 j 07:36	1° \approx 30'24	1.36675 AU	evening rise	-12101 Apr 02 j 10:10	22° Z 21'50	
evening rise	-12102 Apr 19 j 10:37	9° \approx 11'35			-12101 Apr 06 j 13:10	0° \approx	
	-12102 May 01 j 16:16	0° H			-12101 Apr 25 j 09:14	0° H	
desc. node	-12102 May 19 j 08:19	24° H 55'48		desc. node	-12101 May 06 j 05:43	13° H 19'43	
	-12102 May 23 j 19:22	0° Y		evening max el	-12101 May 07 j 17:21	14° H 50'23	26°45'29
evening max el	-12102 May 25 j 06:54	1° Y 31'06	25°46'43	retrograde	-12101 May 20 j 18:35	22° H 18'29	
retrograde	-12102 Jun 06 j 13:55	8° Y 41'13		evening set	-12101 May 27 j 10:05	19° H 31'22	
evening set	-12102 Jun 12 j 18:07	6° Y 00'22		min. Earth dist.	-12101 May 31 j 07:59	15° H 26'41	0.65484 AU
min. Earth dist.	-12102 Jun 16 j 23:36	1° Y 16'42	0.66448 AU	inferior conj	-12101 Jun 02 j 02:17	13° H 19'11	-3°07'20
	-12102 Jun 17 j 23:23	30° R H		minimum elong	-12101 Jun 02 j 04:14	13° H 13'18	3°07'14
inferior conj	-12102 Jun 18 j 03:55	29° H 45'21	-2°40'58	morning rise	-12101 Jun 07 j 22:39	7° H 37'22	
minimum elong	-12102 Jun 18 j 06:12	29° H 37'57	2°40'28	direct	-12101 Jun 11 j 01:39	6° H 42'29	
morning rise	-12102 Jun 23 j 18:20	23° H 49'28		asc. node	-12101 Jun 15 j 03:33	8° H 10'13	
direct	-12102 Jun 27 j 04:39	22° H 41'14		morning max el	-12101 Jun 17 j 18:31	10° H 25'38	18°41'51
asc. node	-12102 Jun 28 j 06:46	22° H 47'49			-12101 Jul 01 j 11:47	0° Y	
morning max el	-12102 Jul 04 j 09:40	26° H 49'49	19°27'39	morning set	-12101 Jul 08 j 09:29	11° Y 11'57	
	-12102 Jul 07 j 04:21	0° Y			-12101 Jul 20 j 02:16	0° H	
	-12102 Jul 27 j 06:29	0° B					
morning set	-12102 Jul 28 j 07:22	1° B 37'41					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-12101 Jul 23 j 17:24	5°  45'49	0°53'18	morning set	-12100 Jun 18 j 12:43	21°  55'17	
minimum elong	-12101 Jul 23 j 23:14	6°  08'55	0°53'05		-12100 Jun 23 j 07:40	0° 	
max. Earth dist.	-12101 Jul 24 j 19:10	7°  27'47	1.44566 AU				
desc. node	-12101 Aug 02 j 02:19	20°  35'11		superior conj	-12100 Jul 02 j 01:14	14°  23'13	1°27'35
	-12101 Aug 08 j 00:51	0° 		minimum elong	-12100 Jul 02 j 07:17	14°  47'43	1°27'16
evening rise	-12101 Aug 09 j 01:42	1°  38'38		max. Earth dist.	-12100 Jul 06 j 10:25	21°  26'08	1.44062 AU
	-12101 Aug 27 j 15:33	0° 			-12100 Jul 11 j 20:06	0° 	
evening max el	-12101 Aug 31 j 05:41	4°  13'30	19°06'28	evening rise	-12100 Jul 18 j 13:14	10°  30'05	
retrograde	-12101 Sep 07 j 04:41	8°  10'36		desc. node	-12100 Jul 18 j 23:45	11°  10'55	
evening set	-12101 Sep 10 j 08:34	7°  13'08		greatest brilliancy	-12100 Jul 31 j 05:56	29°  58'07	-0.7m
asc. node	-12101 Sep 11 j 04:15	6°  39'51			-12100 Jul 31 j 06:26	0° 	
inferior conj	-12101 Sep 16 j 03:11	1°  23'32	1°31'25	evening max el	-12100 Aug 13 j 12:03	17°  42'44	19°59'12
minimum elong	-12101 Sep 16 j 01:05	1°  30'04	1°31'22	retrograde	-12100 Aug 21 j 01:14	22°  05'05	
	-12101 Sep 17 j 05:55	30°  31'11		evening set	-12100 Aug 24 j 14:52	20°  51'19	
min. Earth dist.	-12101 Sep 17 j 13:52	29°  35'24	0.65519 AU	asc. node	-12100 Aug 28 j 01:14	17°  30'55	
morning rise	-12101 Sep 21 j 17:11	25°  08'32		inferior conj	-12100 Aug 30 j 03:10	14°  51'22	0°39'10
direct	-12101 Sep 28 j 00:00	22°  29'57		minimum elong	-12100 Aug 30 j 02:16	14°  54'19	0°39'30
morning max el	-12101 Oct 10 j 17:42	29°  53'21	26°23'46	min. Earth dist.	-12100 Aug 31 j 02:22	13°  34'50	0.66382 AU
	-12101 Oct 10 j 20:23	0° 		morning rise	-12100 Sep 04 j 13:23	8°  31'19	
desc. node	-12101 Oct 29 j 01:28	23°  20'24		direct	-12100 Sep 10 j 06:33	6°  05'12	
	-12101 Nov 02 j 08:56	0° 		morning max el	-12100 Sep 22 j 03:35	13°  07'46	25°14'15
morning set	-12101 Nov 15 j 14:58	22°  53'53			-12100 Oct 05 j 21:19	0° 	
	-12101 Nov 19 j 08:01	0° 		desc. node	-12100 Oct 14 j 22:15	13°  18'58	
max. Earth dist.	-12101 Nov 19 j 20:39	1°  01'57	1.35424 AU		-12100 Oct 25 j 02:47	0° 	
				morning set	-12100 Oct 28 j 03:13	5°  18'07	
superior conj	-12101 Nov 24 j 11:12	10°  17'26	-1°33'44	max. Earth dist.	-12100 Nov 01 j 00:35	12°  23'41	1.37089 AU
minimum elong	-12101 Nov 24 j 12:27	10°  23'52	1°33'26				
evening rise	-12101 Dec 02 j 01:31	26°  02'04		superior conj	-12100 Nov 07 j 02:48	24°  05'01	-1°37'54
	-12101 Dec 04 j 00:14	0° 		minimum elong	-12100 Nov 07 j 02:50	24°  05'08	1°37'28
asc. node	-12101 Dec 08 j 02:27	7°  56'52			-12100 Nov 10 j 02:05	0° 	
evening max el	-12101 Dec 21 j 04:10	26°  38'00	20°44'38	evening rise	-12100 Nov 15 j 05:56	10°  24'57	
	-12101 Dec 25 j 16:14	0° 		asc. node	-12100 Nov 23 j 23:48	26°  53'37	
retrograde	-12100 Jan 01 j 03:58	1°  47'33			-12100 Nov 25 j 22:05	0° 	
evening set	-12100 Jan 03 j 21:12	1°  29'53		evening max el	-12100 Dec 02 j 16:26	8°  29'35	19°35'30
	-12100 Jan 08 j 03:21	30°  31'11		retrograde	-12100 Dec 12 j 02:54	12°  56'47	
inferior conj	-12100 Jan 12 j 16:39	27°  30'45	2°57'13	evening set	-12100 Dec 14 j 16:05	12°  38'47	
minimum elong	-12100 Jan 12 j 22:26	27°  22'15	2°55'30	inferior conj	-12100 Dec 23 j 00:12	8°  31'23	3°56'52
min. Earth dist.	-12100 Jan 14 j 00:17	26°  44'22	0.55703 AU	minimum elong	-12100 Dec 23 j 04:06	8°  25'02	3°56'17
morning rise	-12100 Jan 21 j 22:20	23°  10'30		min. Earth dist.	-12100 Dec 25 j 13:46	6°  52'03	0.56719 AU
direct	-12100 Jan 25 j 06:46	22°  45'46		morning rise	-12100 Dec 31 j 14:00	3°  47'48	
desc. node	-12100 Jan 25 j 03:19	22°  45'49		direct	-12099 Jan 05 j 06:30	2°  58'02	
morning max el	-12100 Feb 07 j 11:45	29°  14'47	22°49'18	desc. node	-12099 Jan 10 j 24:00	4°  13'21	
	-12100 Feb 08 j 06:14	0° 		morning max el	-12099 Jan 19 j 03:08	9°  56'50	24°26'06
	-12100 Feb 27 j 13:04	0° 			-12099 Feb 03 j 01:10	0° 	
morning set	-12100 Feb 29 j 21:36	4°  50'28		morning set	-12099 Feb 13 j 10:03	19°  55'06	
asc. node	-12100 Mar 05 j 00:12	13°  32'10			-12099 Feb 18 j 03:08	0° 	
				asc. node	-12099 Feb 19 j 21:22	3°  48'28	
superior conj	-12100 Mar 08 j 02:11	20°  06'06	0°28'42				
minimum elong	-12100 Mar 08 j 00:58	19°  59'40	0°27'46	superior conj	-12099 Feb 20 j 10:22	4°  58'43	0°05'09
max. Earth dist.	-12100 Mar 10 j 17:19	25°  37'56	1.34096 AU	minimum elong	-12099 Feb 20 j 10:10	4°  57'41	0°04'29
	-12100 Mar 12 j 20:09	0° 		behind sun begin	-12099 Feb 20 j 05:15	4°  31'04	
evening rise	-12100 Mar 15 j 23:00	6°  14'52		behind sun end	-12099 Feb 20 j 15:06	5°  24'18	
	-12100 Mar 29 j 04:33	0° 		max. Earth dist.	-12099 Feb 21 j 23:52	8°  20'28	1.33332 AU
evening max el	-12100 Apr 19 j 04:00	27°  57'48	27°20'27	evening rise	-12099 Feb 27 j 21:12	20°  38'31	
	-12100 Apr 21 j 08:51	0° 			-12099 Mar 04 j 16:07	0° 	
desc. node	-12100 Apr 22 j 03:04	0°  38'45			-12099 Mar 23 j 07:09	0° 	
retrograde	-12100 May 02 j 17:53	5°  32'58		evening max el	-12099 Apr 01 j 13:03	10°  42'57	27°25'31
evening set	-12100 May 09 j 15:41	2°  51'30		desc. node	-12099 Apr 09 j 00:18	16°  27'18	
	-12100 May 12 j 18:01	30°  31'11		retrograde	-12099 Apr 15 j 10:46	18°  16'50	
min. Earth dist.	-12100 May 13 j 08:35	29°  21'29	0.64126 AU	evening set	-12099 Apr 22 j 07:42	15°  54'20	
inferior conj	-12100 May 15 j 17:29	26°  44'48	-3°23'10	min. Earth dist.	-12099 Apr 26 j 00:22	12°  49'58	0.62421 AU
minimum elong	-12100 May 15 j 18:31	26°  41'57	3°23'30	inferior conj	-12099 Apr 28 j 22:38	9°  57'13	-3°24'59
morning rise	-12100 May 21 j 22:04	21°  19'16		minimum elong	-12099 Apr 28 j 22:10	9°  58'23	3°25'32
direct	-12100 May 24 j 19:13	20°  35'49		morning rise	-12099 May 05 j 14:01	4°  49'48	
morning max el	-12100 May 31 j 07:02	24°  03'22	18°13'04	direct	-12099 May 08 j 06:25	4°  16'08	
asc. node	-12100 Jun 01 j 00:18	24°  48'21		morning max el	-12099 May 14 j 20:55	7°  38'33	18°02'19
	-12100 Jun 05 j 02:16	0° 		asc. node	-12099 May 18 j 21:04	12°  27'14	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12099 May 29 j 12:30	0° H		morning rise	-12098 Apr 18 j 19:20	18° Z 00'07	
morning set	-12099 May 31 j 15:22	3° H 45'42		direct	-12098 Apr 21 j 07:28	17° Z 34'51	
				morning max el	-12098 Apr 28 j 09:32	21° Z 04'01	18°10'21
superior conj	-12099 Jun 12 j 08:40	24° H 10'02	1°45'43		-12098 May 05 j 04:47	0° \approx	
minimum elong	-12099 Jun 12 j 11:18	24° H 21'06	1°45'31	asc. node	-12098 May 05 j 17:54	0° \approx 52'52	
	-12099 Jun 15 j 20:19	0° Y		morning set	-12098 May 14 j 12:46	16° \approx 32'12	
max. Earth dist.	-12099 Jun 18 j 21:50	5° Y 02'02	1.42938 AU		-12098 May 21 j 20:18	0° H	
evening rise	-12099 Jun 27 j 13:17	18° Y 49'34					
	-12099 Jul 04 j 19:13	0° Z		superior conj	-12098 May 24 j 18:55	5° H 16'40	1°48'43
desc. node	-12099 Jul 05 j 21:13	1° Z 38'32		minimum elong	-12098 May 24 j 18:09	5° H 13'15	1°48'24
	-12099 Jul 26 j 09:53	0° II		max. Earth dist.	-12098 Jun 01 j 04:01	18° H 02'19	1.41339 AU
evening max el	-12099 Jul 27 j 11:53	1° II 08'30	21°05'51	evening rise	-12098 Jun 07 j 00:42	27° H 42'05	
retrograde	-12099 Aug 04 j 21:37	6° II 04'52			-12098 Jun 08 j 11:01	0° Y	
evening set	-12099 Aug 08 j 23:12	4° II 31'40		desc. node	-12098 Jun 22 j 18:42	21° Y 53'24	
	-12099 Aug 13 j 02:43	30° R 8			-12098 Jun 28 j 11:35	0° Z	
inferior conj	-12099 Aug 14 j 07:05	28° Z 24'10	-0°11'48	evening max el	-12098 Jul 10 j 04:50	14° Z 30'04	22°23'03
minimum elong	-12099 Aug 14 j 07:19	28° Z 23'21	0°11'07	retrograde	-12098 Jul 19 j 16:21	20° Z 07'16	
transit middle	-12099 Aug 14 j 07:19	28° Z 23'21	0°11'07	evening set	-12098 Jul 24 j 07:33	18° Z 12'48	
transit begin	-12099 Aug 14 j 05:19	28° Z 30'10		inferior conj	-12098 Jul 29 j 13:03	12° Z 00'10	-0°59'54
transit end	-12099 Aug 14 j 09:19	28° Z 16'31		minimum elong	-12098 Jul 29 j 14:15	11° Z 56'02	0°59'00
asc. node	-12099 Aug 14 j 22:08	27° Z 32'46		min. Earth dist.	-12098 Jul 29 j 14:52	11° Z 53'52	0.67217 AU
min. Earth dist.	-12099 Aug 14 j 19:30	27° Z 41'46	0.66950 AU	asc. node	-12098 Aug 01 j 18:59	7° Z 45'53	
morning rise	-12099 Aug 19 j 15:17	22° Z 03'07		morning rise	-12098 Aug 03 j 20:51	5° Z 41'54	
direct	-12099 Aug 24 j 18:13	19° Z 53'50		direct	-12098 Aug 08 j 10:14	3° Z 51'04	
morning max el	-12099 Sep 04 j 13:26	26° Z 22'50	23°53'16	morning max el	-12098 Aug 18 j 01:42	9° Z 39'05	22°29'30
	-12099 Sep 07 j 21:11	0° II			-12098 Sep 02 j 20:29	0° II	
	-12099 Sep 29 j 12:06	0° Z		desc. node	-12098 Sep 18 j 16:08	24° II 04'36	
desc. node	-12099 Oct 01 j 19:08	3° Z 35'34		morning set	-12098 Sep 20 j 05:00	26° II 32'55	
morning set	-12099 Oct 09 j 17:09	16° Z 33'40			-12098 Sep 22 j 07:50	0° Z	
max. Earth dist.	-12099 Oct 13 j 23:26	23° Z 56'00	1.39025 AU	max. Earth dist.	-12098 Sep 26 j 00:22	6° Z 08'11	1.40986 AU
	-12099 Oct 17 j 08:41	0° Ω					
				superior conj	-12098 Oct 03 j 14:42	19° Z 19'31	-1°20'30
superior conj	-12099 Oct 21 j 05:39	7° Ω 10'19	-1°34'14	minimum elong	-12098 Oct 03 j 11:11	19° Z 03'52	1°19'31
minimum elong	-12099 Oct 21 j 03:56	7° Ω 02'15	1°33'34		-12098 Oct 09 j 11:16	0° Ω	
evening rise	-12099 Oct 30 j 03:56	24° Ω 24'15		evening rise	-12098 Oct 13 j 16:37	7° Ω 52'56	
	-12099 Nov 02 j 01:26	0° H			-12098 Oct 26 j 15:28	0° H	
asc. node	-12099 Nov 10 j 21:07	15° H 10'49		asc. node	-12098 Oct 28 j 18:24	2° H 36'22	
evening max el	-12099 Nov 15 j 14:38	20° H 54'07	18°45'49	evening max el	-12098 Oct 29 j 20:53	3° H 45'53	18°16'28
retrograde	-12099 Nov 23 j 18:18	24° H 51'06		retrograde	-12098 Nov 06 j 03:30	7° H 25'26	
evening set	-12099 Nov 26 j 05:59	24° H 30'29		evening set	-12098 Nov 08 j 14:59	7° H 00'54	
inferior conj	-12099 Dec 04 j 01:19	20° H 04'35	4°17'09	inferior conj	-12098 Nov 15 j 21:42	2° H 13'18	4°06'05
minimum elong	-12099 Dec 04 j 01:28	20° H 04'18	4°17'18	minimum elong	-12098 Nov 15 j 19:02	2° H 19'01	4°06'09
min. Earth dist.	-12099 Dec 07 j 04:47	17° H 45'09	0.58297 AU		-12098 Nov 18 j 11:48	30° R 8	
morning rise	-12099 Dec 11 j 19:04	14° H 58'04		min. Earth dist.	-12098 Nov 19 j 01:02	29° Ω 32'33	0.60123 AU
direct	-12099 Dec 17 j 17:40	13° H 32'23		morning rise	-12098 Nov 22 j 21:35	26° Ω 46'14	
desc. node	-12099 Dec 28 j 20:38	18° H 12'30		direct	-12098 Nov 29 j 15:29	24° Ω 44'32	
morning max el	-12099 Dec 31 j 18:31	20° H 45'40	25°54'05		-12098 Dec 11 j 07:07	0° H	
	-12098 Jan 08 j 18:54	0° Ω		morning max el	-12098 Dec 13 j 15:25	2° H 06'23	26°58'46
	-12098 Jan 26 j 12:03	0° H		desc. node	-12098 Dec 15 j 17:15	4° H 12'04	
morning set	-12098 Jan 28 j 22:06	4° H 59'23			-12097 Jan 02 j 22:13	0° Ω	
				morning set	-12097 Jan 13 j 07:57	19° Ω 56'39	
superior conj	-12098 Feb 04 j 21:15	20° H 00'13	-0°17'51		-12097 Jan 18 j 01:16	0° H	
minimum elong	-12098 Feb 04 j 21:59	20° H 04'15	0°18'14				
max. Earth dist.	-12098 Feb 05 j 11:46	21° H 19'22	1.32898 AU	superior conj	-12097 Jan 20 j 09:08	5° H 04'27	-0°39'28
asc. node	-12098 Feb 06 j 18:35	24° H 06'53		minimum elong	-12097 Jan 20 j 10:37	5° H 12'32	0°39'35
	-12098 Feb 09 j 12:20	0° Z		max. Earth dist.	-12097 Jan 20 j 01:22	4° H 21'58	1.32790 AU
evening rise	-12098 Feb 12 j 01:45	5° Z 21'34		asc. node	-12097 Jan 24 j 15:53	14° H 23'06	
	-12098 Feb 25 j 08:56	0° Z		evening rise	-12097 Jan 27 j 10:23	20° H 15'54	
evening max el	-12098 Mar 14 j 18:01	22° Z 54'22	26°57'44		-12097 Feb 01 j 06:19	0° Z	
	-12098 Mar 25 j 22:13	0° \approx			-12097 Feb 20 j 12:17	0° Z	
desc. node	-12098 Mar 26 j 21:26	0° \approx 12'02		evening max el	-12097 Feb 24 j 17:17	4° Z 27'40	25°58'56
retrograde	-12098 Mar 28 j 19:53	0° \approx 21'50		retrograde	-12097 Mar 10 j 19:43	11° Z 44'05	
	-12098 Mar 31 j 16:06	30° R 3		desc. node	-12097 Mar 13 j 18:29	11° Z 22'34	
evening set	-12098 Apr 04 j 06:49	28° Z 29'17		evening set	-12097 Mar 16 j 11:10	10° Z 26'06	
min. Earth dist.	-12098 Apr 08 j 07:10	25° Z 37'49	0.60483 AU	min. Earth dist.	-12097 Mar 21 j 06:33	7° Z 33'07	0.58522 AU
inferior conj	-12098 Apr 11 j 14:13	22° Z 47'49	-3°07'48	inferior conj	-12097 Mar 24 j 12:37	5° Z 07'53	-2°25'36
minimum elong	-12098 Apr 11 j 11:56	22° Z 52'45	3°08'12	minimum elong	-12097 Mar 24 j 09:08	5° Z 14'27	2°25'33

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning rise	-12097 Apr 01 j 10:13	0° Z 40'08		direct	-12096 Mar 15 j 10:39	12° Z 26'24	
direct	-12097 Apr 03 j 17:59	0° Z 21'56		morning max el	-12096 Mar 24 j 19:31	16° Z 52'14	19°24'44
morning max el	-12097 Apr 11 j 18:05	4° Z 11'45	18°37'41		-12096 Apr 03 j 09:49	0° Z	
asc. node	-12097 Apr 22 j 14:47	19° Z 54'29		asc. node	-12096 Apr 08 j 11:46	9° Z 23'34	
	-12097 Apr 27 j 23:32	0° \approx		morning set	-12096 Apr 10 j 22:07	14° Z 10'32	
morning set	-12097 Apr 28 j 00:18	0° \approx 03'43			-12096 Apr 18 j 21:04	0° \approx	
superior conj	-12097 May 07 j 03:58	17° \approx 33'26	1°40'30	superior conj	-12096 Apr 19 j 06:21	0° \approx 45'21	1°24'53
minimum elong	-12097 May 07 j 01:22	17° \approx 21'15	1°39'51	minimum elong	-12096 Apr 19 j 03:17	0° \approx 30'25	1°23'56
max. Earth dist.	-12097 May 14 j 05:15	0° X 20'14	1.39490 AU	max. Earth dist.	-12096 Apr 25 j 05:42	12° \approx 06'51	1.37643 AU
	-12097 May 14 j 00:38	0° X		evening rise	-12096 Apr 29 j 05:57	19° \approx 22'31	
evening rise	-12097 May 18 j 13:52	7° X 51'01			-12096 May 05 j 10:26	0° X	
	-12097 Jun 01 j 11:33	0° Y			-12096 May 25 j 13:04	0° Y	
desc. node	-12097 Jun 09 j 16:12	11° Y 49'36		desc. node	-12096 May 26 j 13:41	1° Y 19'36	
evening max el	-12097 Jun 22 j 16:29	27° Y 49'03	23°45'19	evening max el	-12096 Jun 04 j 02:04	11° Y 09'50	25°05'14
	-12097 Jun 25 j 00:04	0° Z		retrograde	-12096 Jun 15 j 20:22	18° Y 05'23	
retrograde	-12097 Jul 03 j 08:13	4° Z 08'40		evening set	-12096 Jun 21 j 16:39	15° Y 32'08	
evening set	-12097 Jul 08 j 14:01	1° Z 53'09		min. Earth dist.	-12096 Jun 26 j 03:06	10° Y 25'42	0.66814 AU
	-12097 Jul 10 j 10:28	30° R Y		inferior conj	-12096 Jun 27 j 00:02	9° Y 16'07	-2°22'05
inferior conj	-12097 Jul 13 j 19:17	25° Y 37'44	-1°43'47	minimum elong	-12096 Jun 27 j 02:18	9° Y 08'35	2°21'22
minimum elong	-12097 Jul 13 j 21:11	25° Y 31'13	1°42'52	morning rise	-12096 Jul 02 j 11:57	3° Y 13'19	
min. Earth dist.	-12097 Jul 13 j 10:10	26° Y 09'00	0.67181 AU	asc. node	-12096 Jul 05 j 12:36	1° Y 58'47	
morning rise	-12097 Jul 19 j 04:18	19° Y 25'37		direct	-12096 Jul 06 j 03:08	1° Y 56'43	
asc. node	-12097 Jul 19 j 15:49	19° Y 04'44		morning max el	-12096 Jul 13 j 18:22	6° Y 24'34	20°01'07
direct	-12097 Jul 23 j 05:37	17° Y 52'43			-12096 Jul 30 j 20:07	0° Z	
morning max el	-12097 Jul 31 j 18:53	22° Y 58'42	21°10'12	morning set	-12096 Aug 08 j 20:18	13° Z 54'46	
	-12097 Aug 06 j 16:46	0° Z			-12096 Aug 19 j 01:58	0° Z	
	-12097 Aug 27 j 05:28	0° Z		max. Earth dist.	-12096 Aug 20 j 18:20	2° Z 40'47	1.43937 AU
morning set	-12097 Aug 30 j 17:19	5° Z 26'01		desc. node	-12096 Aug 22 j 10:25	5° Z 21'16	
desc. node	-12097 Sep 05 j 13:13	14° Z 40'55					
max. Earth dist.	-12097 Sep 08 j 06:36	19° Z 05'38	1.42699 AU	superior conj	-12096 Aug 25 j 05:41	9° Z 52'32	-0°16'44
				minimum elong	-12096 Aug 25 j 03:57	9° Z 45'31	0°15'52
superior conj	-12097 Sep 14 j 23:59	0° Z 16'08	-0°54'39	behind sun begin	-12096 Aug 25 j 01:24	9° Z 35'10	
minimum elong	-12097 Sep 14 j 19:51	29° Z 58'41	0°53'30	behind sun end	-12096 Aug 25 j 06:30	9° Z 55'53	
	-12097 Sep 14 j 20:10	0° Z			-12096 Sep 06 j 08:40	0° Z	
evening rise	-12097 Sep 26 j 15:58	20° Z 40'13		evening rise	-12096 Sep 07 j 21:00	2° Z 34'16	
	-12097 Oct 01 j 21:55	0° Z			-12096 Sep 25 j 14:38	0° Z	
evening max el	-12097 Oct 13 j 08:18	16° Z 56'19	18°06'58	evening max el	-12096 Sep 25 j 21:58	0° Z 19'00	18°16'18
asc. node	-12097 Oct 15 j 15:39	18° Z 54'27		asc. node	-12096 Oct 01 j 12:50	3° Z 49'00	
retrograde	-12097 Oct 20 j 03:00	20° Z 29'09		retrograde	-12096 Oct 02 j 12:38	3° Z 54'11	
evening set	-12097 Oct 22 j 16:09	19° Z 58'57		evening set	-12096 Oct 05 j 05:43	3° Z 15'48	
inferior conj	-12097 Oct 29 j 11:02	14° Z 50'41	3°34'29		-12096 Oct 09 j 12:25	30° R Z	
minimum elong	-12097 Oct 29 j 07:15	14° Z 59'56	3°34'14	inferior conj	-12096 Oct 11 j 13:58	27° Z 49'17	2°50'57
min. Earth dist.	-12097 Nov 01 j 05:49	12° Z 08'02	0.61931 AU	minimum elong	-12096 Oct 11 j 10:21	27° Z 59'10	2°50'34
morning rise	-12097 Nov 04 j 21:11	9° Z 05'58		min. Earth dist.	-12096 Oct 13 j 20:37	25° Z 20'26	0.63551 AU
direct	-12097 Nov 11 j 22:24	6° Z 37'19		morning rise	-12096 Oct 17 j 14:08	21° Z 50'12	
morning max el	-12097 Nov 25 j 18:45	14° Z 06'17	27°31'05	direct	-12096 Oct 24 j 13:06	19° Z 08'00	
desc. node	-12097 Dec 02 j 13:53	21° Z 39'02		morning max el	-12096 Nov 07 j 02:39	26° Z 40'35	27°28'45
	-12097 Dec 08 j 18:25	0° Z			-12096 Nov 10 j 07:12	0° Z	
	-12097 Dec 26 j 06:01	0° Z		desc. node	-12096 Nov 18 j 10:32	10° Z 08'27	
morning set	-12097 Dec 28 j 13:29	4° Z 38'47			-12096 Dec 01 j 06:46	0° Z	
max. Earth dist.	-12096 Jan 03 j 12:45	17° Z 13'44	1.33018 AU	morning set	-12096 Dec 11 j 12:14	18° Z 57'05	
					-12096 Dec 16 j 21:31	0° Z	
superior conj	-12096 Jan 04 j 20:20	20° Z 04'49	-0°59'01	max. Earth dist.	-12096 Dec 16 j 18:14	29° Z 42'43	1.33622 AU
minimum elong	-12096 Jan 04 j 22:17	20° Z 15'23	0°58'56				
	-12096 Jan 09 j 10:07	0° Z		superior conj	-12096 Dec 19 j 05:05	4° Z 55'00	-1°15'42
evening rise	-12096 Jan 11 j 21:10	5° Z 14'06		minimum elong	-12096 Dec 19 j 07:08	5° Z 05'57	1°15'30
asc. node	-12096 Jan 11 j 13:15	4° Z 32'25		evening rise	-12096 Dec 26 j 08:24	20° Z 10'09	
	-12096 Jan 25 j 05:38	0° Z		asc. node	-12096 Dec 28 j 10:37	24° Z 29'52	
evening max el	-12096 Feb 06 j 11:42	15° Z 30'25	24°36'47		-12096 Dec 31 j 05:00	0° Z	
retrograde	-12096 Feb 20 j 08:27	22° Z 26'32		evening max el	-12095 Jan 18 j 05:12	26° Z 22'12	23°03'28
evening set	-12096 Feb 24 j 22:10	21° Z 39'07			-12095 Jan 22 j 19:51	0° Z	
desc. node	-12096 Feb 28 j 15:26	19° Z 58'01		retrograde	-12095 Jan 31 j 08:37	2° Z 43'33	
min. Earth dist.	-12096 Mar 02 j 01:14	18° Z 31'40	0.56833 AU	evening set	-12095 Feb 03 j 22:15	2° Z 15'45	
inferior conj	-12096 Mar 04 j 15:26	16° Z 50'43	-1°13'55		-12095 Feb 09 j 10:11	30° R Z	
minimum elong	-12096 Mar 04 j 12:47	16° Z 55'03	1°13'49	min. Earth dist.	-12095 Feb 11 j 17:17	28° Z 42'16	0.55743 AU
morning rise	-12096 Mar 13 j 06:34	12° Z 39'39		inferior conj	-12095 Feb 12 j 24:00	27° Z 57'10	0°23'15

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-12095 Feb 13 j 00:57	27° \mathbb{M} 55'45	0°22'20	min. Earth dist.	-12094 Jan 24 j 07:34	8° \mathbb{M} 28'25	0.55471 AU
desc. node	-12095 Feb 14 j 12:20	27° \mathbb{M} 04'18		desc. node	-12094 Feb 01 j 09:07	4° \mathbb{M} 45'20	
morning rise	-12095 Feb 22 j 05:21	23° \mathbb{M} 53'37		morning rise	-12094 Feb 02 j 07:48	4° \mathbb{M} 32'00	
direct	-12095 Feb 24 j 10:47	23° \mathbb{M} 41'33		direct	-12094 Feb 05 j 02:25	4° \mathbb{M} 14'46	
morning max el	-12095 Mar 07 j 10:58	28° \mathbb{M} 55'43	20°31'15	morning max el	-12094 Feb 17 j 14:59	10° \mathbb{M} 18'44	21°55'11
	-12095 Mar 08 j 12:52	0° \mathbb{A}			-12094 Mar 03 j 14:32	0° \mathbb{A}	
morning set	-12095 Mar 26 j 02:59	28° \mathbb{A} 43'03		morning set	-12094 Mar 10 j 12:25	13° \mathbb{A} 34'01	
asc. node	-12095 Mar 26 j 08:47	29° \mathbb{A} 12'37		asc. node	-12094 Mar 13 j 05:52	19° \mathbb{A} 16'17	
	-12095 Mar 26 j 18:04	0° \mathbb{B}					
superior conj	-12095 Apr 02 j 21:13	14° \mathbb{B} 37'59	1°04'46	superior conj	-12094 Mar 17 j 20:55	29° \mathbb{A} 00'51	0°42'12
minimum elong	-12095 Apr 02 j 18:34	14° \mathbb{B} 24'34	1°03'40	minimum elong	-12094 Mar 17 j 19:08	28° \mathbb{A} 51'30	0°41'11
max. Earth dist.	-12095 Apr 07 j 12:06	23° \mathbb{B} 49'28	1.36011 AU	max. Earth dist.	-12094 Mar 18 j 08:15	0° \mathbb{B}	
	-12095 Apr 10 j 17:36	0° \mathbb{A}			-12094 Mar 21 j 04:34	5° \mathbb{B} 52'11	1.34702 AU
evening rise	-12095 Apr 11 j 19:43	2° \mathbb{A} 01'52		evening rise	-12094 Mar 26 j 01:32	15° \mathbb{B} 32'36	
	-12095 Apr 28 j 11:00	0° \mathbb{H}			-12094 Apr 02 j 22:50	0° \mathbb{A}	
desc. node	-12095 May 13 j 11:08	20° \mathbb{H} 11'55		evening max el	-12094 Apr 22 j 23:37	0° \mathbb{H}	
evening max el	-12095 May 17 j 12:09	24° \mathbb{H} 31'47	26°14'14	desc. node	-12094 Apr 29 j 23:06	7° \mathbb{H} 48'08	27°03'40
	-12095 May 24 j 06:54	0° \mathbb{Y}		retrograde	-12094 Apr 30 j 08:31	8° \mathbb{H} 11'00	
retrograde	-12095 May 30 j 03:55	1° \mathbb{Y} 51'14		evening set	-12094 May 13 j 06:11	15° \mathbb{H} 19'28	
	-12095 Jun 04 j 10:26	30° \mathbb{R} \mathbb{H}		min. Earth dist.	-12094 May 20 j 01:06	12° \mathbb{H} 33'30	
evening set	-12095 Jun 05 j 13:13	29° \mathbb{H} 06'44		inferior conj	-12094 May 23 j 20:37	8° \mathbb{H} 44'07	0.64960 AU
min. Earth dist.	-12095 Jun 09 j 15:19	24° \mathbb{H} 39'34	0.66083 AU	minimum elong	-12094 May 25 j 21:00	6° \mathbb{H} 23'25	-3°15'31
inferior conj	-12095 Jun 11 j 01:21	22° \mathbb{H} 52'29	-2°53'18	morning rise	-12094 May 25 j 22:38	6° \mathbb{H} 18'40	3°15'37
minimum elong	-12095 Jun 11 j 03:34	22° \mathbb{H} 45'31	2°52'58		-12094 May 31 j 20:33	0° \mathbb{H} 48'02	
morning rise	-12095 Jun 16 j 18:02	17° \mathbb{H} 01'59		direct	-12094 Jun 03 j 06:45	30° \mathbb{R} \mathbb{A}	
direct	-12095 Jun 20 j 01:00	15° \mathbb{H} 59'38			-12094 Jun 03 j 21:00	29° \mathbb{A} 58'03	
asc. node	-12095 Jun 22 j 09:23	16° \mathbb{H} 29'48		asc. node	-12094 Jun 04 j 11:17	0° \mathbb{H}	
morning max el	-12095 Jun 27 j 00:04	19° \mathbb{H} 56'34	19°06'05	morning max el	-12094 Jun 09 j 06:09	2° \mathbb{H} 26'06	
	-12095 Jul 04 j 18:24	0° \mathbb{Y}			-12094 Jun 10 j 10:38	3° \mathbb{H} 33'06	18°27'22
morning set	-12095 Jul 19 j 09:50	22° \mathbb{Y} 53'37		morning set	-12094 Jun 28 j 03:44	0° \mathbb{Y}	
	-12095 Jul 23 j 21:17	0° \mathbb{B}			-12094 Jun 29 j 22:30	2° \mathbb{Y} 56'47	
max. Earth dist.	-12095 Aug 03 j 10:00	16° \mathbb{B} 39'48	1.44542 AU	superior conj	-12094 Jul 14 j 12:50	26° \mathbb{Y} 38'59	1°09'40
superior conj	-12095 Aug 04 j 12:07	18° \mathbb{B} 23'11	0°28'18	minimum elong	-12094 Jul 14 j 19:26	27° \mathbb{Y} 05'16	1°09'19
minimum elong	-12095 Aug 04 j 15:32	18° \mathbb{B} 36'44	0°28'25		-12094 Jul 16 j 15:21	0° \mathbb{B}	
desc. node	-12095 Aug 09 j 07:43	26° \mathbb{B} 02'18		max. Earth dist.	-12094 Jul 17 j 02:49	0° \mathbb{B} 45'32	1.44442 AU
	-12095 Aug 11 j 19:16	0° \mathbb{H}		desc. node	-12094 Jul 27 j 05:06	16° \mathbb{B} 40'57	
evening rise	-12095 Aug 20 j 01:57	13° \mathbb{H} 20'47		evening rise	-12094 Jul 31 j 03:33	22° \mathbb{B} 51'42	
	-12095 Aug 30 j 09:37	0° \mathbb{B}			-12094 Aug 04 j 16:53	0° \mathbb{H}	
evening max el	-12095 Sep 09 j 10:55	13° \mathbb{B} 48'01	18°43'25	greatest brilliancy	-12094 Aug 10 j 00:28	8° \mathbb{H} 15'45	-0.8m
retrograde	-12095 Sep 16 j 04:45	17° \mathbb{B} 34'15		evening max el	-12094 Aug 23 j 20:22	27° \mathbb{H} 18'15	19°27'07
asc. node	-12095 Sep 18 j 09:55	17° \mathbb{B} 06'36			-12094 Aug 26 j 23:50	0° \mathbb{B}	
evening set	-12095 Sep 19 j 04:07	16° \mathbb{B} 44'36		retrograde	-12094 Aug 31 j 00:24	1° \mathbb{B} 24'36	
inferior conj	-12095 Sep 25 j 03:13	11° \mathbb{B} 02'40	2°01'17	evening set	-12094 Sep 03 j 08:16	0° \mathbb{B} 20'25	
minimum elong	-12095 Sep 25 j 00:28	11° \mathbb{B} 10'52	2°01'02		-12094 Sep 03 j 20:10	30° \mathbb{R} \mathbb{H}	
min. Earth dist.	-12095 Sep 26 j 21:00	8° \mathbb{B} 57'59	0.64889 AU	asc. node	-12094 Sep 05 j 06:57	28° \mathbb{H} 45'45	
morning rise	-12095 Sep 30 j 20:17	4° \mathbb{B} 52'40		inferior conj	-12094 Sep 08 j 23:57	24° \mathbb{H} 26'02	1°09'12
direct	-12095 Oct 07 j 10:18	2° \mathbb{B} 09'50		minimum elong	-12094 Sep 08 j 22:22	24° \mathbb{H} 31'06	1°09'18
morning max el	-12095 Oct 20 j 12:37	9° \mathbb{B} 38'56	26°55'01	min. Earth dist.	-12094 Sep 10 j 05:35	22° \mathbb{H} 51'13	0.65924 AU
desc. node	-12095 Nov 05 j 07:14	29° \mathbb{B} 22'16		morning rise	-12094 Sep 14 j 12:09	18° \mathbb{H} 08'40	
	-12095 Nov 05 j 17:32	0° \mathbb{Q}		direct	-12094 Sep 20 j 13:22	15° \mathbb{H} 34'50	
	-12095 Nov 23 j 15:06	0° \mathbb{P}		morning max el	-12094 Oct 02 j 22:47	22° \mathbb{H} 50'10	25°56'16
morning set	-12095 Nov 25 j 01:00	2° \mathbb{P} 41'15			-12094 Oct 09 j 08:28	0° \mathbb{B}	
max. Earth dist.	-12095 Nov 29 j 14:35	11° \mathbb{P} 41'33	1.34640 AU	desc. node	-12094 Oct 23 j 03:57	19° \mathbb{B} 07'06	
					-12094 Oct 30 j 00:23	0° \mathbb{Q}	
superior conj	-12095 Dec 03 j 09:18	19° \mathbb{P} 27'59	-1°28'33	morning set	-12094 Nov 07 j 23:34	15° \mathbb{Q} 38'07	
minimum elong	-12095 Dec 03 j 11:00	19° \mathbb{P} 36'52	1°28'17	max. Earth dist.	-12094 Nov 12 j 00:22	23° \mathbb{Q} 13'01	1.36088 AU
	-12095 Dec 08 j 09:26	0° \mathbb{Q}			-12094 Nov 15 j 11:35	0° \mathbb{P}	
evening rise	-12095 Dec 10 j 18:26	4° \mathbb{Q} 58'22		superior conj	-12094 Nov 17 j 06:23	3° \mathbb{P} 34'28	-1°36'22
asc. node	-12095 Dec 15 j 07:58	14° \mathbb{Q} 09'47		minimum elong	-12094 Nov 17 j 07:11	3° \mathbb{P} 38'32	1°35'59
	-12095 Dec 24 j 18:01	0° \mathbb{M}		evening rise	-12094 Nov 25 j 01:28	19° \mathbb{P} 32'03	
evening max el	-12095 Dec 31 j 03:00	7° \mathbb{M} 26'08	21°32'08		-12094 Nov 30 j 08:44	0° \mathbb{Q}	
retrograde	-12094 Jan 11 j 23:40	13° \mathbb{M} 02'06		asc. node	-12094 Dec 02 j 05:20	3° \mathbb{Q} 24'33	
evening set	-12094 Jan 14 j 22:02	12° \mathbb{M} 42'41		evening max el	-12094 Dec 13 j 09:13	18° \mathbb{Q} 57'12	20°12'59
inferior conj	-12094 Jan 23 j 22:10	8° \mathbb{M} 41'49	2°06'16	retrograde	-12094 Dec 23 j 16:33	23° \mathbb{Q} 47'41	
minimum elong	-12094 Jan 24 j 03:07	8° \mathbb{M} 34'45	2°04'24	evening set	-12094 Dec 26 j 07:46	23° \mathbb{Q} 30'06	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

inferior conj	-12093 Jan 03 j 22:41	19° Ω 28'51	3°27'24	inferior conj	-12093 Dec 15 j 13:07	0° Ω 41'58	4°10'01
minimum elong	-12093 Jan 04 j 04:08	19° Ω 20'35	3°26'08	minimum elong	-12093 Dec 15 j 15:27	0° Ω 37'57	4°09'51
min. Earth dist.	-12093 Jan 05 j 20:39	18° Ω 19'16	0.56050 AU		-12093 Dec 16 j 13:27	30° \mathbb{R} \mathbb{M}	
morning rise	-12093 Jan 12 j 22:47	14° Ω 59'31		min. Earth dist.	-12093 Dec 18 j 10:24	28° \mathbb{M} 43'38	0.57337 AU
direct	-12093 Jan 16 j 20:15	14° Ω 26'05		morning rise	-12093 Dec 23 j 18:23	25° \mathbb{M} 48'04	
desc. node	-12093 Jan 19 j 05:49	14° Ω 39'10		direct	-12093 Dec 29 j 00:20	24° \mathbb{M} 44'06	
morning max el	-12093 Jan 30 j 09:28	21° Ω 09'06	23°30'35	desc. node	-12092 Jan 06 j 02:28	27° \mathbb{M} 13'29	
	-12093 Feb 06 j 22:16	0° \mathbb{M}			-12092 Jan 09 j 22:54	0° Ω	
morning set	-12093 Feb 23 j 00:18	28° \mathbb{M} 35'26		morning max el	-12092 Jan 12 j 00:11	1° Ω 50'35	25°05'36
	-12093 Feb 23 j 16:25	0° \mathbb{M}			-12092 Jan 31 j 16:03	0° \mathbb{M}	
asc. node	-12093 Feb 28 j 03:00	9° \mathbb{M} 29'02		morning set	-12092 Feb 07 j 12:48	13° \mathbb{M} 40'26	
superior conj	-12093 Mar 02 j 02:39	13° \mathbb{M} 44'32	0°18'41	superior conj	-12092 Feb 14 j 12:13	28° \mathbb{M} 41'24	-0°04'45
minimum elong	-12093 Mar 02 j 01:53	13° \mathbb{M} 40'23	0°17'52	minimum elong	-12092 Feb 14 j 12:26	28° \mathbb{M} 42'36	0°05'18
max. Earth dist.	-12093 Mar 04 j 06:41	18° \mathbb{M} 21'02	1.33735 AU	behind sun begin	-12092 Feb 14 j 07:38	28° \mathbb{M} 16'34	
evening rise	-12093 Mar 09 j 18:45	29° \mathbb{M} 39'45		behind sun end	-12092 Feb 14 j 17:14	29° \mathbb{M} 08'36	
	-12093 Mar 09 j 22:50	0° \mathbb{Z}		asc. node	-12092 Feb 15 j 00:12	29° \mathbb{M} 46'25	
	-12093 Mar 27 j 01:08	0° \approx			-12092 Feb 15 j 02:43	0° \mathbb{M}	
evening max el	-12093 Apr 12 j 09:22	20° \approx 47'25	27°26'23	max. Earth dist.	-12092 Feb 15 j 15:51	1° \mathbb{M} 11'03	1.33104 AU
desc. node	-12093 Apr 17 j 05:48	24° \approx 55'14		evening rise	-12092 Feb 21 j 19:56	14° \mathbb{M} 12'05	
retrograde	-12093 Apr 26 j 02:39	28° \approx 22'10			-12092 Mar 01 j 01:25	0° \mathbb{Z}	
evening set	-12093 May 03 j 01:20	25° \approx 47'02			-12092 Mar 21 j 12:24	0° \approx	
min. Earth dist.	-12093 May 06 j 17:22	22° \approx 29'34	0.63447 AU	evening max el	-12092 Mar 24 j 16:41	3° \approx 18'03	27°17'37
inferior conj	-12093 May 09 j 08:19	19° \approx 44'08	-3°25'54	desc. node	-12092 Apr 03 j 03:00	9° \approx 55'14	
minimum elong	-12093 May 09 j 08:47	19° \approx 42'55	3°26'22	retrograde	-12092 Apr 07 j 16:34	10° \approx 50'27	
morning rise	-12093 May 15 j 17:10	14° \approx 26'14		evening set	-12092 Apr 14 j 10:33	8° \approx 39'12	
direct	-12093 May 18 j 12:19	13° \approx 47'01		min. Earth dist.	-12092 Apr 18 j 05:06	5° \approx 42'21	0.61615 AU
morning max el	-12093 May 25 j 00:05	17° \approx 10'36	18°06'15	inferior conj	-12092 Apr 21 j 08:07	2° \approx 47'49	-3°20'23
asc. node	-12093 May 27 j 02:55	19° \approx 31'56		minimum elong	-12092 Apr 21 j 06:53	2° \approx 50'42	3°20'55
	-12093 Jun 03 j 05:14	0° \mathbb{M}			-12092 Apr 24 j 12:47	30° \mathbb{R} \mathbb{Z}	
morning set	-12093 Jun 11 j 12:13	14° \mathbb{M} 09'57		morning rise	-12092 Apr 28 j 05:02	27° \mathbb{Z} 49'01	
	-12093 Jun 20 j 19:00	0° \mathbb{Y}		direct	-12092 Apr 30 j 19:33	27° \mathbb{Z} 19'11	
					-12092 May 06 j 19:19	0° \approx	
superior conj	-12093 Jun 24 j 05:34	5° \mathbb{Y} 42'38	1°37'19	morning max el	-12092 May 07 j 13:51	0° \approx 42'49	18°03'26
minimum elong	-12093 Jun 24 j 10:22	6° \mathbb{Y} 02'23	1°37'05	asc. node	-12092 May 12 j 23:44	7° \approx 32'06	
max. Earth dist.	-12093 Jun 29 j 17:17	14° \mathbb{Y} 38'24	1.43654 AU	morning set	-12092 May 23 j 23:25	26° \approx 25'10	
	-12093 Jul 09 j 10:24	0° \mathbb{Z}			-12092 May 25 j 22:55	0° \mathbb{M}	
evening rise	-12093 Jul 10 j 07:43	1° \mathbb{Z} 22'51					
desc. node	-12093 Jul 14 j 02:32	7° \mathbb{Z} 13'52		superior conj	-12092 Jun 04 j 00:41	16° \mathbb{M} 04'05	1°48'38
	-12093 Jul 29 j 09:30	0° \mathbb{II}		minimum elong	-12092 Jun 04 j 01:43	16° \mathbb{M} 08'30	1°48'25
evening max el	-12093 Aug 07 j 00:04	10° \mathbb{II} 46'08	20°25'59	max. Earth dist.	-12092 Jun 11 j 02:18	27° \mathbb{M} 59'18	1.42299 AU
retrograde	-12093 Aug 14 j 21:11	15° \mathbb{II} 22'05			-12092 Jun 12 j 07:41	0° \mathbb{Y}	
evening set	-12093 Aug 18 j 15:43	14° \mathbb{II} 00'11		evening rise	-12092 Jun 18 j 09:51	9° \mathbb{Y} 47'55	
asc. node	-12093 Aug 23 j 03:53	9° \mathbb{II} 09'46		desc. node	-12092 Jun 30 j 00:02	27° \mathbb{Y} 36'31	
inferior conj	-12093 Aug 24 j 01:52	7° \mathbb{II} 56'26	0°17'18		-12092 Jul 01 j 14:42	0° \mathbb{Z}	
minimum elong	-12093 Aug 24 j 01:28	7° \mathbb{II} 57'46	0°17'47	evening max el	-12092 Jul 19 j 20:45	24° \mathbb{Z} 09'07	21°37'40
min. Earth dist.	-12093 Aug 24 j 20:19	6° \mathbb{II} 54'28	0.66656 AU	retrograde	-12092 Jul 28 j 17:11	29° \mathbb{Z} 22'55	
morning rise	-12093 Aug 29 j 11:02	1° \mathbb{II} 35'30		evening set	-12092 Aug 02 j 00:17	27° \mathbb{Z} 40'52	
	-12093 Aug 31 j 19:44	30° \mathbb{R} \mathbb{Z}		inferior conj	-12092 Aug 07 j 06:53	21° \mathbb{Z} 30'39	-0°32'39
direct	-12093 Sep 03 j 21:59	29° \mathbb{Z} 16'32		minimum elong	-12092 Aug 07 j 07:34	21° \mathbb{Z} 28'20	0°31'52
	-12093 Sep 07 j 05:58	0° \mathbb{II}		min. Earth dist.	-12092 Aug 07 j 14:47	21° \mathbb{Z} 03'25	0.67095 AU
morning max el	-12093 Sep 15 j 08:41	6° \mathbb{II} 06'09	24°40'47	asc. node	-12092 Aug 09 j 00:46	19° \mathbb{Z} 08'22	
	-12093 Oct 03 j 22:51	0° \mathbb{Z}		morning rise	-12092 Aug 12 j 14:42	15° \mathbb{Z} 10'07	
desc. node	-12093 Oct 10 j 00:48	9° \mathbb{Z} 14'15		direct	-12092 Aug 17 j 11:38	13° \mathbb{Z} 08'41	
morning set	-12093 Oct 21 j 02:58	27° \mathbb{Z} 34'36		morning max el	-12092 Aug 27 j 19:20	19° \mathbb{Z} 21'33	23°17'27
	-12093 Oct 22 j 12:02	0° Ω			-12092 Sep 05 j 17:31	0° \mathbb{II}	
max. Earth dist.	-12093 Oct 25 j 01:44	4° Ω 36'54	1.37892 AU	desc. node	-12092 Sep 25 j 21:44	29° \mathbb{II} 36'26	
					-12092 Sep 26 j 03:39	0° \mathbb{Z}	
superior conj	-12093 Oct 31 j 17:04	17° Ω 05'08	-1°37'27	morning set	-12092 Oct 01 j 06:01	8° \mathbb{Z} 17'38	
minimum elong	-12093 Oct 31 j 16:24	17° Ω 01'56	1°36'55	max. Earth dist.	-12092 Oct 06 j 00:18	16° \mathbb{Z} 21'30	1.39869 AU
	-12093 Nov 07 j 06:09	0° \mathbb{M}					
evening rise	-12093 Nov 09 j 03:28	3° \mathbb{M} 45'40		superior conj	-12092 Oct 13 j 12:57	29° \mathbb{Z} 47'33	-1°29'45
asc. node	-12093 Nov 19 j 02:38	22° \mathbb{M} 05'33		minimum elong	-12092 Oct 13 j 10:26	29° \mathbb{Z} 35'57	1°28'58
	-12093 Nov 25 j 00:55	0° Ω			-12092 Oct 13 j 15:39	0° Ω	
evening max el	-12093 Nov 26 j 01:42	1° Ω 02'18	19°11'50	evening rise	-12092 Oct 22 j 21:53	17° Ω 32'16	
retrograde	-12093 Dec 04 j 22:13	5° Ω 15'34			-12092 Oct 29 j 14:12	0° \mathbb{M}	
evening set	-12093 Dec 07 j 10:25	4° Ω 56'43		asc. node	-12092 Nov 04 j 23:55	10° \mathbb{M} 02'04	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening max el	-12092 Nov 08 j 03:37	13° \mathbb{M} 38'54	18°30'54			-12091 Oct 27 j 17:01	0° \mathbb{M}	
retrograde	-12092 Nov 15 j 21:18	17° \mathbb{M} 27'01		retrograde		-12091 Oct 29 j 12:50	0° \mathbb{M} 14'48	
evening set	-12092 Nov 18 j 08:34	17° \mathbb{M} 05'04				-12091 Oct 31 j 09:17	30° \mathbb{R} \mathcal{Q}	
inferior conj	-12092 Nov 25 j 22:30	12° \mathbb{M} 30'20	4°15'39	evening set		-12091 Nov 01 j 00:53	29° \mathcal{Q} 48'01	
minimum elong	-12092 Nov 25 j 21:16	12° \mathbb{M} 32'48	4°15'49	inferior conj		-12091 Nov 08 j 02:27	24° \mathcal{Q} 51'38	3°54'35
min. Earth dist.	-12092 Nov 29 j 03:30	9° \mathbb{M} 58'58	0.59057 AU	minimum elong		-12091 Nov 07 j 23:07	24° \mathcal{Q} 59'12	3°54'30
morning rise	-12092 Dec 03 j 08:08	7° \mathbb{M} 14'28		min. Earth dist.		-12091 Nov 11 j 03:01	22° \mathcal{Q} 07'44	0.60910 AU
direct	-12092 Dec 09 j 16:27	5° \mathbb{M} 32'29		morning rise		-12091 Nov 14 j 20:01	19° \mathcal{Q} 16'58	
desc. node	-12092 Dec 22 j 23:06	12° \mathbb{M} 07'34		direct		-12091 Nov 21 j 18:39	17° \mathcal{Q} 02'00	
morning max el	-12092 Dec 23 j 17:32	12° \mathbb{M} 50'45	26°25'10	morning max el		-12091 Dec 05 j 16:59	24° \mathcal{Q} 26'55	27°16'46
	-12091 Jan 06 j 07:25	0° \mathcal{Q}		desc. node		-12091 Dec 09 j 19:44	28° \mathcal{Q} 47'34	
morning set	-12091 Jan 22 j 00:09	28° \mathcal{Q} 42'30				-12091 Dec 10 j 20:34	0° \mathbb{M}	
	-12091 Jan 22 j 14:55	0° \mathbb{M}				-12091 Dec 30 j 10:37	0° \mathcal{Q}	
				morning set		-12090 Jan 06 j 08:24	13° \mathcal{Q} 33'55	
superior conj	-12091 Jan 28 j 23:46	13° \mathbb{M} 45'01	-0°27'13	max. Earth dist.		-12090 Jan 12 j 17:45	27° \mathcal{Q} 11'12	1.32840 AU
minimum elong	-12091 Jan 29 j 00:51	13° \mathbb{M} 50'55	0°27'29					
max. Earth dist.	-12091 Jan 29 j 04:43	14° \mathbb{M} 12'03	1.32804 AU	superior conj		-12090 Jan 13 j 11:33	28° \mathcal{Q} 48'17	-0°48'03
asc. node	-12091 Jan 31 j 21:28	20° \mathbb{M} 04'22		minimum elong		-12090 Jan 13 j 13:16	28° \mathcal{Q} 57'38	0°48'05
evening rise	-12091 Feb 05 j 02:29	29° \mathbb{M} 00'50				-12090 Jan 14 j 00:42	0° \mathbb{M}	
	-12091 Feb 05 j 13:56	0° \mathcal{Q}		asc. node		-12090 Jan 18 j 18:45	10° \mathbb{M} 18'05	
	-12091 Feb 22 j 10:39	0° \mathcal{Q}		evening rise		-12090 Jan 20 j 12:15	13° \mathbb{M} 57'39	
evening max el	-12091 Mar 06 j 19:18	15° \mathcal{Q} 13'31	26°36'18			-12090 Jan 28 j 16:36	0° \mathcal{Q}	
retrograde	-12091 Mar 20 j 22:25	22° \mathcal{Q} 37'48		evening max el		-12090 Feb 16 j 16:30	26° \mathcal{Q} 32'57	25°26'22
desc. node	-12091 Mar 21 j 00:07	22° \mathcal{Q} 37'47				-12090 Feb 20 j 19:39	0° \mathcal{Q}	
evening set	-12091 Mar 27 j 01:54	20° \mathcal{Q} 59'58		retrograde		-12090 Mar 02 j 17:39	3° \mathcal{Q} 41'36	
min. Earth dist.	-12091 Mar 31 j 08:46	18° \mathcal{Q} 09'20	0.59628 AU	evening set		-12090 Mar 07 j 22:22	2° \mathcal{Q} 37'58	
inferior conj	-12091 Apr 03 j 16:53	15° \mathcal{Q} 27'01	-2°53'25	desc. node		-12090 Mar 07 j 21:08	2° \mathcal{Q} 39'12	
minimum elong	-12091 Apr 03 j 13:56	15° \mathcal{Q} 33'02	2°53'36			-12090 Mar 12 j 18:09	30° \mathbb{R} \mathcal{Q}	
morning rise	-12091 Apr 11 j 04:43	10° \mathcal{Q} 47'55		min. Earth dist.		-12090 Mar 13 j 06:01	29° \mathcal{Q} 40'09	0.57749 AU
direct	-12091 Apr 13 j 14:49	10° \mathcal{Q} 26'00		inferior conj		-12090 Mar 16 j 07:09	27° \mathcal{Q} 32'02	-1°58'56
morning max el	-12091 Apr 21 j 01:12	14° \mathcal{Q} 02'33	18°19'34	minimum elong		-12090 Mar 16 j 03:41	27° \mathcal{Q} 38'11	1°58'45
asc. node	-12091 Apr 29 j 20:38	26° \mathcal{Q} 14'43		morning rise		-12090 Mar 24 j 12:11	23° \mathcal{Q} 11'38	
	-12091 May 01 j 23:55	0° \approx		direct		-12090 Mar 26 j 18:11	22° \mathcal{Q} 55'49	
morning set	-12091 May 07 j 03:28	9° \approx 32'40		morning max el		-12090 Apr 04 j 07:01	26° \mathcal{Q} 59'27	18°55'14
						-12090 Apr 07 j 01:15	0° \mathcal{Q}	
superior conj	-12091 May 16 j 21:24	27° \approx 42'53	1°46'22	asc. node		-12090 Apr 16 j 17:33	15° \mathcal{Q} 28'54	
minimum elong	-12091 May 16 j 19:39	27° \approx 34'56	1°45'55	morning set		-12090 Apr 20 j 19:51	23° \mathcal{Q} 20'31	
	-12091 May 18 j 03:47	0° \mathcal{H}				-12090 Apr 24 j 05:24	0° \approx	
max. Earth dist.	-12091 May 24 j 05:40	10° \mathcal{H} 39'58	1.40569 AU					
evening rise	-12091 May 29 j 07:30	19° \mathcal{H} 11'02		superior conj		-12090 Apr 29 j 14:28	10° \approx 24'34	1°34'36
	-12091 Jun 05 j 01:21	0° \mathcal{Y}		minimum elong		-12090 Apr 29 j 11:32	10° \approx 10'35	1°33'48
desc. node	-12091 Jun 16 j 21:32	17° \mathcal{Y} 44'20		max. Earth dist.		-12090 May 06 j 06:08	22° \approx 43'06	1.38696 AU
	-12091 Jun 25 j 22:51	0° \mathcal{B}		evening rise		-12090 May 10 j 08:36	29° \approx 56'21	
evening max el	-12091 Jul 02 j 11:12	7° \mathcal{B} 29'31	22°57'49			-12090 May 10 j 09:27	0° \mathcal{H}	
retrograde	-12091 Jul 12 j 10:51	13° \mathcal{B} 25'08				-12090 May 29 j 09:34	0° \mathcal{Y}	
evening set	-12091 Jul 17 j 08:05	11° \mathcal{B} 21'50		desc. node		-12090 Jun 03 j 19:02	7° \mathcal{Y} 30'30	
inferior conj	-12091 Jul 22 j 13:13	5° \mathcal{B} 07'46	-1°19'08	evening max el		-12090 Jun 14 j 21:50	20° \mathcal{Y} 50'00	24°20'06
minimum elong	-12091 Jul 22 j 14:45	5° \mathcal{B} 02'28	1°18'11	retrograde		-12090 Jun 26 j 01:08	27° \mathcal{Y} 25'17	
min. Earth dist.	-12091 Jul 22 j 10:33	5° \mathcal{B} 16'59	0.67244 AU	evening set		-12090 Jul 01 j 13:12	25° \mathcal{Y} 01'50	
asc. node	-12091 Jul 26 j 21:39	29° \mathcal{Y} 44'06		min. Earth dist.		-12090 Jul 06 j 05:09	19° \mathcal{Y} 33'25	0.67075 AU
	-12091 Jul 26 j 15:16	30° \mathbb{R} \mathcal{Y}		inferior conj		-12090 Jul 06 j 19:05	18° \mathcal{Y} 46'08	-2°00'48
morning rise	-12091 Jul 27 j 21:19	28° \mathcal{Y} 51'25		minimum elong		-12090 Jul 06 j 21:11	18° \mathcal{Y} 39'01	1°59'56
direct	-12091 Aug 01 j 05:24	27° \mathcal{Y} 08'10		morning rise		-12090 Jul 12 j 05:07	12° \mathcal{Y} 37'37	
	-12091 Aug 07 j 13:09	0° \mathcal{B}		asc. node		-12090 Jul 13 j 18:30	11° \mathcal{Y} 42'02	
morning max el	-12091 Aug 10 j 09:17	2° \mathcal{B} 38'15	21°54'39	direct		-12090 Jul 16 j 02:01	11° \mathcal{Y} 11'40	
	-12091 Aug 30 j 18:41	0° \mathbb{I}		morning max el		-12090 Jul 24 j 05:01	16° \mathcal{Y} 00'14	20°39'15
morning set	-12091 Sep 11 j 06:49	17° \mathbb{I} 45'04				-12090 Aug 04 j 02:00	0° \mathcal{B}	
desc. node	-12091 Sep 12 j 18:46	20° \mathbb{I} 08'44		morning set		-12090 Aug 21 j 12:54	26° \mathcal{B} 21'36	
max. Earth dist.	-12091 Sep 18 j 02:43	28° \mathbb{I} 50'45	1.41762 AU			-12090 Aug 23 j 20:49	0° \mathbb{I}	
	-12091 Sep 18 j 19:23	0° \mathcal{E}		desc. node		-12090 Aug 30 j 15:54	10° \mathbb{I} 47'16	
				max. Earth dist.		-12090 Aug 31 j 11:53	12° \mathbb{I} 07'44	1.43302 AU
superior conj	-12091 Sep 25 j 12:35	11° \mathcal{E} 27'31	-1°11'04					
minimum elong	-12091 Sep 25 j 08:34	11° \mathcal{E} 10'00	1°09'59	superior conj		-12090 Sep 06 j 10:26	21° \mathbb{I} 51'04	-0°39'55
	-12091 Oct 05 j 19:49	0° \mathcal{Q}		minimum elong		-12090 Sep 06 j 06:53	21° \mathbb{I} 36'18	0°38'47
evening rise	-12091 Oct 06 j 05:23	0° \mathcal{Q} 44'00				-12090 Sep 11 j 06:47	0° \mathcal{E}	
evening max el	-12091 Oct 22 j 12:30	26° \mathcal{Q} 39'43	18°10'08	evening rise		-12090 Sep 18 j 21:40	13° \mathcal{E} 10'44	
asc. node	-12091 Oct 22 j 21:12	27° \mathcal{Q} 00'50				-12090 Sep 28 j 17:21	0° \mathcal{Q}	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening max el	-12090 Oct 06 j 01:19	9°Ω56'46	18°08'42	desc. node	-12089 Aug 17 j 13:08	1°Π28'16	
asc. node	-12090 Oct 09 j 18:26	12°Ω45'58		evening rise	-12089 Aug 31 j 17:11	24°Π38'19	
retrograde	-12090 Oct 12 j 17:13	13°Ω29'18			-12089 Sep 03 j 22:20	0°☿	
evening set	-12090 Oct 15 j 07:52	12°Ω55'47		evening max el	-12089 Sep 19 j 14:58	23°☿22'28	18°25'38
inferior conj	-12090 Oct 21 j 22:02	7°Ω39'12	3°17'04	retrograde	-12089 Sep 26 j 06:09	27°☿01'33	
minimum elong	-12090 Oct 21 j 18:12	7°Ω49'02	3°16'43	asc. node	-12089 Sep 26 j 15:36	27°☿00'42	
min. Earth dist.	-12090 Oct 24 j 11:46	5°Ω01'10	0.62653 AU	evening set	-12089 Sep 29 j 01:37	26°☿18'44	
morning rise	-12090 Oct 28 j 03:34	1°Ω48'13		inferior conj	-12089 Oct 05 j 05:44	20°☿44'58	2°30'23
	-12090 Oct 31 j 06:52	30°☿☿		minimum elong	-12089 Oct 05 j 02:26	20°☿54'22	2°30'01
direct	-12090 Nov 04 j 04:53	29°☿12'24		min. Earth dist.	-12089 Oct 07 j 06:46	18°☿25'39	0.64156 AU
	-12090 Nov 08 j 07:46	0°Ω		morning rise	-12089 Oct 11 j 02:34	14°☿40'39	
morning max el	-12090 Nov 17 j 22:32	6°Ω42'33	27°34'18	direct	-12089 Oct 17 j 22:09	11°☿57'06	
desc. node	-12090 Nov 26 j 16:22	16°Ω43'52		morning max el	-12089 Oct 31 j 07:49	19°☿29'12	27°17'59
	-12090 Dec 05 j 20:47	0°♊			-12089 Nov 09 j 10:50	0°Ω	
morning set	-12090 Dec 21 j 11:23	28°♊07'01		desc. node	-12089 Nov 13 j 12:59	5°Ω33'40	
	-12090 Dec 22 j 09:37	0°♊			-12089 Nov 28 j 18:24	0°♊	
max. Earth dist.	-12090 Dec 27 j 03:14	9°♊55'35	1.33232 AU	morning set	-12089 Dec 05 j 06:18	12°♊11'57	
				max. Earth dist.	-12089 Dec 10 j 05:22	22°♊12'57	1.34007 AU
superior conj	-12090 Dec 28 j 21:56	13°♊45'08	-1°06'29				
minimum elong	-12090 Dec 28 j 23:58	13°♊56'09	1°06'21	superior conj	-12089 Dec 13 j 04:58	28°♊28'21	-1°21'42
evening rise	-12089 Jan 04 j 23:27	28°♊55'59		minimum elong	-12089 Dec 13 j 06:56	28°♊38'45	1°21'27
	-12089 Jan 05 j 11:40	0°♋			-12089 Dec 13 j 22:15	0°♊	
asc. node	-12089 Jan 05 j 16:05	0°♋23'00		evening rise	-12089 Dec 20 j 10:21	13°♊49'04	
	-12089 Jan 22 j 19:29	0°♊		asc. node	-12089 Dec 23 j 13:27	20°♊13'34	
evening max el	-12089 Jan 29 j 09:57	7°♊28'01	23°57'37		-12089 Dec 28 j 17:42	0°♋	
retrograde	-12089 Feb 12 j 00:29	14°♊10'32		evening max el	-12088 Jan 11 j 04:20	18°♋21'00	22°23'33
evening set	-12089 Feb 16 j 03:34	13°♊32'48		retrograde	-12088 Jan 23 j 20:08	24°♋24'33	
desc. node	-12089 Feb 22 j 18:05	10°♊23'38		evening set	-12088 Jan 27 j 02:08	24°♋01'19	
min. Earth dist.	-12089 Feb 22 j 23:05	10°♊16'03	0.56287 AU	min. Earth dist.	-12088 Feb 04 j 14:03	20°♋12'23	0.55520 AU
inferior conj	-12089 Feb 25 j 01:39	8°♊58'07	-0°35'02	inferior conj	-12088 Feb 05 j 04:19	19°♋51'54	1°07'56
minimum elong	-12089 Feb 25 j 00:14	9°♊00'17	0°35'15	minimum elong	-12088 Feb 05 j 07:10	19°♋47'48	1°06'30
morning rise	-12089 Mar 05 j 23:36	4°♊51'47		desc. node	-12088 Feb 09 j 14:53	17°♋28'16	
direct	-12089 Mar 08 j 03:32	4°♊39'28		morning rise	-12088 Feb 14 j 13:09	15°♋47'59	
morning max el	-12089 Mar 18 j 04:23	9°♊24'16	19°50'43	direct	-12088 Feb 16 j 22:15	15°♋34'51	
	-12089 Mar 31 j 23:39	0°♋		morning max el	-12088 Feb 28 j 15:02	21°♋10'23	21°05'11
asc. node	-12089 Apr 03 j 14:30	5°♋06'50			-12088 Mar 06 j 20:51	0°♊	
morning set	-12089 Apr 04 j 20:57	7°♋38'58		morning set	-12088 Mar 19 j 04:00	22°♊20'03	
				asc. node	-12088 Mar 20 j 11:31	25°♊02'33	
superior conj	-12089 Apr 12 j 22:37	23°♋54'48	1°16'46		-12088 Mar 22 j 20:44	0°♋	
minimum elong	-12089 Apr 12 j 19:39	23°♋40'06	1°15'43				
	-12089 Apr 16 j 01:08	0°♌		superior conj	-12088 Mar 26 j 17:37	8°♋01'34	0°55'23
max. Earth dist.	-12089 Apr 18 j 08:43	4°♌25'36	1.36917 AU	minimum elong	-12088 Mar 26 j 15:18	7°♋49'39	0°54'19
evening rise	-12089 Apr 22 j 10:33	11°♌57'59		max. Earth dist.	-12088 Mar 30 j 18:56	16°♋13'47	1.35404 AU
	-12089 May 03 j 00:05	0°♌		evening rise	-12088 Apr 04 j 07:43	25°♋00'42	
desc. node	-12089 May 21 j 16:32	26°♌45'50			-12088 Apr 07 j 00:10	0°♌	
	-12089 May 24 j 09:51	0°♍			-12088 Apr 25 j 11:33	0°♌	
evening max el	-12089 May 28 j 07:24	4°♍11'21	25°36'25	desc. node	-12088 May 07 j 13:58	15°♌17'49	
retrograde	-12089 Jun 09 j 11:15	11°♍18'10		evening max el	-12088 May 09 j 17:41	17°♌31'18	26°38'06
evening set	-12089 Jun 15 j 13:32	8°♍38'56		retrograde	-12088 May 22 j 16:46	24°♌57'50	
min. Earth dist.	-12089 Jun 19 j 20:13	3°♍49'27	0.66554 AU	evening set	-12088 May 29 j 06:45	22°♌10'57	
inferior conj	-12089 Jun 20 j 22:36	2°♍23'36	-2°36'18	min. Earth dist.	-12088 Jun 02 j 05:38	18°♌00'33	0.65649 AU
minimum elong	-12089 Jun 21 j 00:54	2°♍16'07	2°35'43	inferior conj	-12088 Jun 03 j 21:47	15°♌58'04	-3°03'59
	-12089 Jun 22 j 19:58	30°♌☿		minimum elong	-12088 Jun 03 j 23:49	15°♌51'51	3°03'51
morning rise	-12089 Jun 26 j 12:20	26°♌25'57		morning rise	-12088 Jun 09 j 17:08	10°♌13'58	
direct	-12089 Jun 29 j 23:50	25°♌15'40		direct	-12088 Jun 12 j 21:04	9°♌17'16	
asc. node	-12089 Jun 30 j 15:17	25°♌17'59		asc. node	-12088 Jun 16 j 12:02	10°♌27'12	
morning max el	-12089 Jul 07 j 07:18	29°♌28'56	19°35'54	morning max el	-12088 Jun 19 j 15:23	13°♌03'50	18°47'37
	-12089 Jul 07 j 19:08	0°♍			-12088 Jul 01 j 18:29	0°♍	
	-12089 Jul 28 j 14:05	0°♌		morning set	-12088 Jul 10 j 16:46	14°♍21'49	
morning set	-12089 Jul 31 j 18:14	4°♌57'45			-12088 Jul 20 j 10:57	0°♌	
max. Earth dist.	-12089 Aug 14 j 02:11	25°♌57'21	1.44280 AU				
	-12089 Aug 16 j 15:05	0°♎		superior conj	-12088 Jul 26 j 06:12	9°♌12'11	0°47'01
superior conj	-12089 Aug 17 j 04:56	0°♎55'24	0°02'04	minimum elong	-12088 Jul 26 j 11:32	9°♌33'17	0°46'50
minimum elong	-12089 Aug 17 j 05:14	0°♎56'38	0°02'39	max. Earth dist.	-12088 Jul 26 j 18:35	10°♌01'11	1.44582 AU
behind sun begin	-12089 Aug 16 j 18:18	0°♎12'50		desc. node	-12088 Aug 03 j 10:29	22°♌08'52	
behind sun end	-12089 Aug 17 j 16:11	1°♎40'27			-12088 Aug 08 j 09:05	0°♎	
				evening rise	-12088 Aug 11 j 10:40	4°♎53'22	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12088 Aug 27 j 14:06	0°☿					-12087 Jul 13 j 04:38	0°♄			
evening max el	-12088 Sep 02 j 02:42	6°☿52'24	18°59'56	desc. node	-12087 Jul 21 j 07:55	12°♄45'29					
retrograde	-12088 Sep 09 j 00:11	10°☿46'25		evening rise	-12087 Jul 22 j 01:26	13°♄53'44					
evening set	-12088 Sep 12 j 02:47	9°☿51'10			-12087 Aug 01 j 11:54	0°♄					
asc. node	-12088 Sep 12 j 12:40	9°☿35'42		greatest brilliancy	-12087 Aug 03 j 06:54	2°♄42'42	-0.7m				
inferior conj	-12088 Sep 17 j 22:31	4°☿03'31	1°39'20	evening max el	-12087 Aug 16 j 09:57	20°♄22'04	19°50'28				
minimum elong	-12088 Sep 17 j 20:15	4°☿10'32	1°39'13	retrograde	-12087 Aug 23 j 20:31	24°♄39'55					
min. Earth dist.	-12088 Sep 19 j 11:03	2°☿10'50	0.65368 AU	evening set	-12087 Aug 27 j 08:37	23°♄28'44					
	-12088 Sep 21 j 07:57	30°♄		asc. node	-12087 Aug 30 j 09:39	20°♄38'21					
morning rise	-12088 Sep 23 j 13:14	27°♄49'36		inferior conj	-12087 Sep 01 j 21:44	17°♄30'15	0°47'04				
direct	-12088 Sep 29 j 22:02	25°♄09'32		minimum elong	-12087 Sep 01 j 20:39	17°♄33'47	0°47'20				
	-12088 Oct 09 j 23:02	0°☿		min. Earth dist.	-12087 Sep 02 j 22:36	16°♄08'50	0.66273 AU				
morning max el	-12088 Oct 12 j 18:12	2°☿35'03	26°32'31	morning rise	-12087 Sep 07 j 08:24	11°♄10'51					
desc. node	-12088 Oct 30 j 09:41	25°☿01'48		direct	-12087 Sep 13 j 03:44	8°♄42'28					
	-12088 Nov 02 j 15:52	0°♄		morning max el	-12087 Sep 25 j 04:04	15°♄48'41	25°25'36				
morning set	-12088 Nov 17 j 13:35	25°♄37'41			-12087 Oct 06 j 23:18	0°☿					
	-12088 Nov 19 j 20:30	0°♄		desc. node	-12087 Oct 17 j 06:29	14°☿57'21					
max. Earth dist.	-12088 Nov 21 j 21:07	3°♄58'07	1.35206 AU		-12087 Oct 26 j 12:40	0°♄					
				morning set	-12087 Oct 31 j 04:44	8°♄11'17					
superior conj	-12088 Nov 26 j 06:29	12°♄50'50	-1°32'36	max. Earth dist.	-12087 Nov 04 j 02:25	15°♄21'44	1.36817 AU				
minimum elong	-12088 Nov 26 j 07:52	12°♄58'00	1°32'16								
evening rise	-12088 Dec 03 j 19:19	28°♄31'22		superior conj	-12087 Nov 09 j 23:40	26°♄44'13	-1°37'46				
	-12088 Dec 04 j 12:33	0°♄		minimum elong	-12087 Nov 09 j 23:55	26°♄45'28	1°37'21				
asc. node	-12088 Dec 09 j 10:48	9°♄43'32			-12087 Nov 11 j 14:54	0°♄					
evening max el	-12088 Dec 23 j 05:16	29°♄34'44	20°56'29	evening rise	-12087 Nov 18 j 00:30	12°♄57'40					
	-12088 Dec 23 j 16:17	0°♄		asc. node	-12087 Nov 26 j 08:09	28°♄45'34					
retrograde	-12087 Jan 03 j 10:42	4°♄51'00			-12087 Nov 27 j 01:50	0°♄					
evening set	-12087 Jan 06 j 04:55	4°♄33'07		evening max el	-12087 Dec 05 j 16:02	11°♄21'39	19°44'38				
inferior conj	-12087 Jan 15 j 01:48	0°♄34'12	2°44'51	retrograde	-12087 Dec 15 j 07:38	15°♄54'20					
minimum elong	-12087 Jan 15 j 07:31	0°♄25'53	2°43'04	evening set	-12087 Dec 17 j 21:20	15°♄36'29					
min. Earth dist.	-12087 Jan 16 j 03:59	29°♄56'10	0.55612 AU	inferior conj	-12087 Dec 26 j 07:17	11°♄31'08	3°50'27				
	-12087 Jan 16 j 01:20	30°♄		minimum elong	-12087 Dec 26 j 11:41	11°♄24'07	3°49'41				
morning rise	-12087 Jan 24 j 08:55	26°♄16'53		min. Earth dist.	-12087 Dec 28 j 17:21	9°♄59'10	0.56526 AU				
desc. node	-12087 Jan 26 j 11:37	25°♄57'06		morning rise	-12086 Jan 03 j 23:58	6°♄51'21					
direct	-12087 Jan 27 j 13:20	25°♄54'31		direct	-12086 Jan 08 j 11:35	6°♄06'12					
	-12087 Feb 06 j 22:50	0°♄		desc. node	-12086 Jan 13 j 08:16	7°♄00'24					
morning max el	-12087 Feb 09 j 14:37	2°♄17'49	22°35'01	morning max el	-12086 Jan 22 j 06:34	13°♄01'19	24°11'50				
	-12087 Feb 28 j 00:58	0°♄			-12086 Feb 04 j 07:00	0°♄					
morning set	-12087 Mar 03 j 14:40	7°♄15'51		morning set	-12086 Feb 16 j 03:03	22°♄20'03					
asc. node	-12087 Mar 07 j 08:36	15°♄10'25			-12086 Feb 19 j 17:23	0°♄					
				asc. node	-12086 Feb 22 j 05:46	5°♄26'03					
superior conj	-12087 Mar 10 j 20:10	22°♄34'12	0°32'16								
minimum elong	-12087 Mar 10 j 18:48	22°♄26'59	0°31'19	superior conj	-12086 Feb 23 j 03:48	7°♄24'53	0°08'42				
max. Earth dist.	-12087 Mar 13 j 15:23	28°♄26'01	1.34240 AU	minimum elong	-12086 Feb 23 j 03:28	7°♄23'01	0°08'00				
	-12087 Mar 14 j 09:36	0°♄		behind sun begin	-12086 Feb 22 j 23:00	6°♄58'59					
evening rise	-12087 Mar 18 j 18:50	8°♄48'23		behind sun end	-12086 Feb 23 j 07:55	7°♄47'03					
	-12087 Mar 30 j 12:14	0°♄		max. Earth dist.	-12086 Feb 24 j 20:57	11°♄05'38	1.33429 AU				
	-12087 Apr 21 j 11:48	0°♄		evening rise	-12086 Mar 02 j 15:53	23°♄08'22					
evening max el	-12087 Apr 22 j 04:28	0°♄41'23	27°17'03		-12086 Mar 06 j 03:38	0°♄					
desc. node	-12087 Apr 24 j 11:19	2°♄48'05			-12086 Mar 24 j 06:34	0°♄					
retrograde	-12087 May 05 j 16:50	8°♄15'54		evening max el	-12086 Apr 04 j 14:00	13°♄30'47	27°26'45				
evening set	-12087 May 12 j 14:03	5°♄32'55		desc. node	-12086 Apr 11 j 08:33	18°♄52'10					
min. Earth dist.	-12087 May 16 j 07:33	1°♄58'01	0.64353 AU	retrograde	-12086 Apr 18 j 10:38	21°♄04'42					
	-12087 May 18 j 01:50	30°♄		evening set	-12086 Apr 25 j 08:17	18°♄38'38					
inferior conj	-12087 May 18 j 14:12	29°♄25'11	-3°21'36	min. Earth dist.	-12086 Apr 29 j 00:38	15°♄31'12	0.62700 AU				
minimum elong	-12087 May 18 j 15:25	29°♄21'47	3°21'54	inferior conj	-12086 May 01 j 21:04	12°♄39'54	-3°25'51				
morning rise	-12087 May 24 j 17:24	23°♄56'54		minimum elong	-12086 May 01 j 20:51	12°♄40'26	3°26'23				
direct	-12087 May 27 j 15:20	23°♄11'51		morning rise	-12086 May 08 j 10:40	7°♄29'37					
morning max el	-12087 Jun 03 j 03:26	26°♄41'07	18°16'11	direct	-12086 May 11 j 03:48	6°♄54'29					
asc. node	-12087 Jun 03 j 08:46	26°♄54'41		morning max el	-12086 May 17 j 17:15	10°♄16'47	18°02'42				
	-12087 Jun 06 j 00:20	0°♄		asc. node	-12086 May 21 j 05:34	14°♄25'13					
morning set	-12087 Jun 21 j 16:12	24°♄54'27			-12086 May 30 j 21:46	0°♄					
	-12087 Jun 24 j 17:00	0°♄		morning set	-12086 Jun 03 j 15:37	6°♄35'20					
superior conj	-12087 Jul 05 j 11:30	17°♄41'51	1°23'25	superior conj	-12086 Jun 15 j 14:53	27°♄16'25	1°44'02				
minimum elong	-12087 Jul 05 j 17:51	18°♄07'26	1°23'04	minimum elong	-12086 Jun 15 j 18:05	27°♄29'51	1°43'51				
max. Earth dist.	-12087 Jul 09 j 10:06	24°♄00'59	1.44182 AU		-12086 Jun 17 j 06:02	0°♄					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

max. Earth dist.	-12086 Jun 21 j 22:29	7°Υ42'00	1.43142 AU	asc. node	-12085 May 08 j 02:25	2°≈44'47	
evening rise	-12086 Jul 01 j 01:44	22°Υ13'47		morning set	-12085 May 17 j 10:36	19°≈14'32	
	-12086 Jul 06 j 02:23	0°⋈			-12085 May 23 j 07:22	0°⋈	
desc. node	-12086 Jul 08 j 05:24	3°⋈14'35					
	-12086 Jul 27 j 01:33	0°♊		superior conj	-12085 May 27 j 21:25	8°⋈12'11	1°49'06
evening max el	-12086 Jul 30 j 10:49	3°♊48'21	20°55'14	minimum elong	-12085 May 27 j 21:04	8°⋈10'38	1°48'48
retrograde	-12086 Aug 07 j 17:03	8°♊39'02		max. Earth dist.	-12085 Jun 04 j 05:41	20°⋈49'10	1.41598 AU
evening set	-12086 Aug 11 j 16:47	7°♊08'47			-12085 Jun 09 j 19:51	0°Υ	
inferior conj	-12086 Aug 17 j 01:11	1°♊02'12	-0°04'15	evening rise	-12085 Jun 10 j 10:16	0°Υ57'56	
minimum elong	-12086 Aug 17 j 01:16	1°♊01'56	0°03'37	desc. node	-12085 Jun 25 j 02:54	23°Υ31'54	
transit middle	-12086 Aug 17 j 01:16	1°♊01'56	0°03'37		-12085 Jun 29 j 14:36	0°⋈	
transit begin	-12086 Aug 16 j 22:36	1°♊10'59		evening max el	-12085 Jul 13 j 04:41	17°⋈10'17	22°11'04
transit end	-12086 Aug 17 j 03:55	0°♊52'54		retrograde	-12085 Jul 22 j 12:10	22°⋈41'22	
asc. node	-12086 Aug 17 j 06:36	0°♊43'48		evening set	-12085 Jul 27 j 01:16	20°⋈50'02	
min. Earth dist.	-12086 Aug 17 j 15:08	0°♊14'45	0.66881 AU	inferior conj	-12085 Aug 01 j 06:58	14°⋈37'53	-0°52'54
	-12086 Aug 17 j 19:29	30°⋈		minimum elong	-12085 Aug 01 j 08:02	14°⋈34'12	0°52'01
morning rise	-12086 Aug 22 j 09:35	24°⋈41'12		min. Earth dist.	-12085 Aug 01 j 10:20	14°⋈26'15	0.67195 AU
direct	-12086 Aug 27 j 14:37	22°⋈29'22		asc. node	-12085 Aug 04 j 03:29	10°⋈51'13	
morning max el	-12086 Sep 07 j 13:51	29°⋈03'48	24°05'47	morning rise	-12085 Aug 06 j 14:44	8°⋈18'59	
	-12086 Sep 08 j 11:34	0°♊		direct	-12085 Aug 11 j 06:00	6°⋈25'30	
	-12086 Sep 30 j 19:10	0°♊		morning max el	-12085 Aug 21 j 01:41	12°⋈20'02	22°41'51
desc. node	-12086 Oct 04 j 03:22	5°♊11'43			-12085 Sep 04 j 00:33	0°♊	
morning set	-12086 Oct 12 j 22:19	19°♊37'41		desc. node	-12085 Sep 21 j 00:22	25°♊39'09	
max. Earth dist.	-12086 Oct 17 j 01:52	26°♊51'36	1.38727 AU	morning set	-12085 Sep 23 j 14:04	29°♊47'56	
	-12086 Oct 18 j 19:54	0°♊			-12085 Sep 23 j 17:02	0°♊	
				max. Earth dist.	-12085 Sep 29 j 02:06	8°♊56'17	1.40702 AU
superior conj	-12086 Oct 24 j 04:43	9°♊56'36	-1°35'24				
minimum elong	-12086 Oct 24 j 03:17	9°♊49'50	1°34'47	superior conj	-12085 Oct 06 j 16:43	22°♊14'32	-1°23'18
evening rise	-12086 Nov 01 j 23:39	27°♊01'03		minimum elong	-12085 Oct 06 j 13:27	21°♊59'48	1°22'24
	-12086 Nov 03 j 12:20	0°♊			-12085 Oct 10 j 22:33	0°♊	
asc. node	-12086 Nov 13 j 05:30	17°♊09'32		evening rise	-12085 Oct 16 j 13:56	10°♊34'30	
evening max el	-12086 Nov 18 j 12:50	23°♊41'21	18°51'55		-12085 Oct 27 j 14:21	0°♊	
retrograde	-12086 Nov 26 j 20:31	27°♊42'12		asc. node	-12085 Oct 31 j 02:48	4°♊43'29	
evening set	-12086 Nov 29 j 08:20	27°♊22'03		evening max el	-12085 Nov 01 j 18:00	6°♊29'00	18°19'34
inferior conj	-12086 Dec 07 j 05:33	22°♊59'03	4°16'22	retrograde	-12085 Nov 09 j 03:15	10°♊10'33	
minimum elong	-12086 Dec 07 j 06:16	22°♊57'46	4°16'28	evening set	-12085 Nov 11 j 14:35	9°♊46'46	
min. Earth dist.	-12086 Dec 10 j 07:50	20°♊44'39	0.58040 AU	inferior conj	-12085 Nov 18 j 23:08	5°♊02'28	4°09'18
morning rise	-12086 Dec 15 j 02:17	17°♊55'47		minimum elong	-12085 Nov 18 j 20:48	5°♊07'24	4°09'25
direct	-12086 Dec 20 j 20:50	16°♊35'57		min. Earth dist.	-12085 Nov 22 j 03:10	2°♊23'30	0.59846 AU
desc. node	-12086 Dec 31 j 04:54	20°♊38'20			-12085 Nov 25 j 10:43	30°♊	
morning max el	-12085 Jan 03 j 21:37	23°♊47'27	25°42'08	morning rise	-12085 Nov 26 j 01:24	29°♊38'05	
	-12085 Jan 09 j 13:12	0°♊		direct	-12085 Dec 02 j 17:08	27°♊41'17	
	-12085 Jan 28 j 00:19	0°♊			-12085 Dec 10 j 06:30	0°♊	
morning set	-12085 Jan 31 j 15:19	7°♊24'52		morning max el	-12085 Dec 16 j 17:35	5°♊02'26	26°51'04
				desc. node	-12085 Dec 18 j 01:33	6°♊21'35	
superior conj	-12085 Feb 07 j 14:26	22°♊25'22	-0°14'26		-12084 Jan 04 j 06:04	0°♊	
minimum elong	-12085 Feb 07 j 15:02	22°♊28'41	0°14'51	morning set	-12084 Jan 16 j 01:37	22°♊23'31	
behind sun begin	-12085 Feb 07 j 13:23	22°♊19'38			-12084 Jan 19 j 15:39	0°♊	
behind sun end	-12085 Feb 07 j 16:42	22°♊37'45					
max. Earth dist.	-12085 Feb 08 j 08:23	24°♊03'03	1.32945 AU	superior conj	-12084 Jan 23 j 02:17	7°♊29'29	-0°36'18
asc. node	-12085 Feb 09 j 03:01	25°♊44'16		minimum elong	-12084 Jan 23 j 03:41	7°♊37'03	0°36'28
	-12085 Feb 11 j 02:27	0°♊		max. Earth dist.	-12084 Jan 22 j 21:53	7°♊05'23	1.32783 AU
evening rise	-12085 Feb 14 j 19:41	7°♊48'58		asc. node	-12084 Jan 27 j 00:18	16°♊00'53	
	-12085 Feb 26 j 15:45	0°♊		evening rise	-12084 Jan 30 j 03:50	22°♊41'50	
evening max el	-12085 Mar 17 j 19:41	25°♊47'30	27°03'51		-12084 Feb 02 j 18:03	0°♊	
	-12085 Mar 22 j 21:26	0°≈			-12084 Feb 21 j 03:52	0°♊	
desc. node	-12085 Mar 29 j 05:41	2°≈57'55		evening max el	-12084 Feb 27 j 19:42	7°♊25'58	26°09'23
retrograde	-12085 Mar 31 j 20:58	3°≈16'11		retrograde	-12084 Mar 12 j 22:31	14°♊44'58	
evening set	-12085 Apr 07 j 10:09	1°≈18'29		desc. node	-12084 Mar 15 j 02:46	14°♊33'05	
	-12085 Apr 09 j 09:16	30°♊		evening set	-12084 Mar 18 j 17:21	13°♊21'50	
min. Earth dist.	-12085 Apr 11 j 08:38	28°♊26'12	0.60782 AU	min. Earth dist.	-12084 Mar 23 j 09:00	10°♊29'55	0.58800 AU
inferior conj	-12085 Apr 14 j 14:56	25°♊34'22	-3°11'59	inferior conj	-12084 Mar 26 j 16:06	7°♊59'29	-2°33'55
minimum elong	-12085 Apr 14 j 12:55	25°♊38'49	3°12'23	minimum elong	-12084 Mar 26 j 12:42	8°♊06'01	2°33'55
morning rise	-12085 Apr 21 j 17:50	20°♊43'48		morning rise	-12084 Apr 03 j 11:07	3°♊29'01	
direct	-12085 Apr 24 j 06:37	20°♊17'22		direct	-12084 Apr 05 j 19:28	3°♊09'57	
morning max el	-12085 May 01 j 06:18	23°♊44'31	18°07'58	morning max el	-12084 Apr 13 j 15:42	6°♊55'49	18°32'25
	-12085 May 06 j 07:34	0°≈		asc. node	-12084 Apr 23 j 23:19	21°♊41'41	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12084 Apr 28 j 10:48	0°♊		morning set	-12083 Apr 13 j 16:51	16°♊42'36	
morning set	-12084 Apr 29 j 20:21	2°♊40'12			-12083 Apr 20 j 09:40	0°♊	
superior conj	-12084 May 09 j 03:29	20°♊19'49	1°42'19	superior conj	-12083 Apr 22 j 03:36	3°♊24'37	1°27'36
minimum elong	-12084 May 09 j 01:03	20°♊08'34	1°41'43	minimum elong	-12083 Apr 22 j 00:33	3°♊09'47	1°26'41
	-12084 May 14 j 11:29	0°♋		max. Earth dist.	-12083 Apr 28 j 07:22	15°♊02'10	1.37912 AU
max. Earth dist.	-12084 May 16 j 07:13	3°♋12'17	1.39768 AU	evening rise	-12083 May 02 j 07:42	22°♊15'03	
evening rise	-12084 May 20 j 19:20	10°♋54'40			-12083 May 06 j 19:47	0°♋	
	-12084 Jun 01 j 18:05	0°♌			-12083 May 26 j 13:38	0°♌	
desc. node	-12084 Jun 11 j 00:25	13°♌31'34		desc. node	-12083 May 28 j 21:54	3°♌06'18	
	-12084 Jun 24 j 05:22	0°♍		evening max el	-12083 Jun 07 j 02:43	13°♌50'20	24°53'47
evening max el	-12084 Jun 24 j 16:55	0°♍29'24	23°33'00	retrograde	-12083 Jun 18 j 17:21	20°♌41'00	
retrograde	-12084 Jul 05 j 04:36	6°♍43'12		evening set	-12083 Jun 24 j 11:29	18°♌10'14	
evening set	-12084 Jul 10 j 08:09	4°♍30'47		min. Earth dist.	-12083 Jun 28 j 23:20	12°♌57'55	0.66895 AU
	-12084 Jul 14 j 06:43	30°♎		inferior conj	-12083 Jun 29 j 18:24	11°♌54'11	-2°16'43
min. Earth dist.	-12084 Jul 15 j 05:52	28°♎41'05	0.67207 AU	minimum elong	-12083 Jun 29 j 20:38	11°♌46'43	2°15'57
inferior conj	-12084 Jul 15 j 13:17	28°♎15'32	-1°37'30	morning rise	-12083 Jul 05 j 05:46	5°♌49'41	
minimum elong	-12084 Jul 15 j 15:06	28°♎09'17	1°36'34	asc. node	-12083 Jul 07 j 21:09	4°♌36'57	
morning rise	-12084 Jul 20 j 22:01	22°♎02'10		direct	-12083 Jul 08 j 22:22	4°♌30'42	
asc. node	-12084 Jul 21 j 00:20	21°♎57'41		morning max el	-12083 Jul 16 j 16:28	9°♌03'46	20°10'30
direct	-12084 Jul 25 j 00:59	20°♎26'41			-12083 Aug 01 j 02:10	0°♏	
morning max el	-12084 Aug 02 j 18:00	25°♎38'59	21°21'24	morning set	-12083 Aug 12 j 08:18	17°♏17'28	
	-12084 Aug 06 j 13:45	0°♐			-12083 Aug 20 j 10:40	0°♐	
	-12084 Aug 27 j 12:59	0°♑		max. Earth dist.	-12083 Aug 23 j 18:04	5°♑16'07	1.43794 AU
morning set	-12084 Sep 02 j 05:14	8°♑48'44		desc. node	-12083 Aug 24 j 18:37	6°♑54'34	
desc. node	-12084 Sep 06 j 21:27	16°♑14'34					
max. Earth dist.	-12084 Sep 10 j 07:07	21°♑45'44	1.42469 AU	superior conj	-12083 Aug 28 j 15:41	13°♑11'00	-0°23'07
	-12084 Sep 15 j 06:07	0°♒		minimum elong	-12083 Aug 28 j 13:22	13°♑01'31	0°22'09
					-12083 Sep 07 j 18:03	0°♒	
superior conj	-12084 Sep 17 j 05:50	3°♒22'30	-0°59'23	evening rise	-12083 Sep 10 j 23:35	5°♒30'58	
minimum elong	-12084 Sep 17 j 01:40	3°♒04'39	0°58'13		-12083 Sep 26 j 04:39	0°♓	
evening rise	-12084 Sep 28 j 15:31	23°♒28'14		evening max el	-12083 Sep 28 j 18:21	2°♓58'27	18°13'48
	-12084 Oct 02 j 06:45	0°♈		asc. node	-12083 Oct 03 j 21:15	6°♓20'57	
evening max el	-12084 Oct 15 j 04:49	19°♈36'59	18°07'13	retrograde	-12083 Oct 05 j 09:04	6°♓32'32	
asc. node	-12084 Oct 17 j 00:03	21°♈12'40		evening set	-12083 Oct 08 j 01:29	5°♓55'28	
retrograde	-12084 Oct 22 j 00:47	23°♈10'09		inferior conj	-12083 Oct 14 j 11:12	0°♓31'33	2°58'03
evening set	-12084 Oct 24 j 13:33	22°♈40'57		minimum elong	-12083 Oct 14 j 07:31	0°♓41'29	2°57'39
inferior conj	-12084 Oct 31 j 10:08	17°♈35'48	3°40'12		-12083 Oct 14 j 22:54	30°♎	
minimum elong	-12084 Oct 31 j 06:25	17°♈44'42	3°39'59	min. Earth dist.	-12083 Oct 16 j 19:46	27°♏59'54	0.63326 AU
min. Earth dist.	-12084 Nov 03 j 06:37	14°♈52'08	0.61669 AU	morning rise	-12083 Oct 20 j 12:40	24°♏34'33	
morning rise	-12084 Nov 06 j 22:04	11°♈53'34		direct	-12083 Oct 27 j 12:33	21°♏53'29	
direct	-12084 Nov 13 j 22:56	9°♈27'54		morning max el	-12083 Nov 10 j 03:12	29°♏25'36	27°31'16
morning max el	-12084 Nov 27 j 19:58	16°♈56'15	27°28'32		-12083 Nov 10 j 17:10	0°♈	
desc. node	-12084 Dec 03 j 22:11	23°♈37'10		desc. node	-12083 Nov 20 j 18:48	11°♈58'26	
	-12084 Dec 08 j 19:25	0°♉			-12083 Dec 02 j 15:15	0°♉	
	-12084 Dec 26 j 18:10	0°♊		morning set	-12083 Dec 14 j 07:51	21°♉30'58	
morning set	-12084 Dec 30 j 07:58	7°♊08'41			-12083 Dec 18 j 11:18	0°♊	
max. Earth dist.	-12083 Jan 05 j 09:46	19°♊59'37	1.32955 AU	max. Earth dist.	-12083 Dec 19 j 16:18	2°♊32'33	1.33503 AU
superior conj	-12083 Jan 06 j 13:43	22°♊31'12	-0°56'12	superior conj	-12083 Dec 21 j 22:54	7°♊23'22	-1°13'24
minimum elong	-12083 Jan 06 j 15:37	22°♊41'31	0°56'10	minimum elong	-12083 Dec 22 j 00:58	7°♊34'25	1°13'13
	-12083 Jan 10 j 00:16	0°♋		evening rise	-12083 Dec 29 j 01:38	22°♊37'00	
asc. node	-12083 Jan 12 j 21:37	6°♋11'41		asc. node	-12083 Dec 30 j 18:57	26°♊11'22	
evening rise	-12083 Jan 13 j 14:24	7°♋40'12			-12082 Jan 01 j 16:14	0°♋	
	-12083 Jan 25 j 10:08	0°♌		evening max el	-12082 Jan 21 j 08:11	29°♋25'29	23°17'38
evening max el	-12083 Feb 08 j 14:48	18°♌33'10	24°50'09		-12082 Jan 21 j 23:11	0°♌	
retrograde	-12083 Feb 22 j 13:12	25°♌33'07		retrograde	-12082 Feb 03 j 14:54	5°♌52'34	
evening set	-12083 Feb 27 j 06:42	24°♌41'54		evening set	-12082 Feb 07 j 07:47	5°♌22'36	
desc. node	-12083 Mar 01 j 23:45	23°♌30'16		min. Earth dist.	-12082 Feb 14 j 20:44	1°♌54'00	0.55860 AU
min. Earth dist.	-12083 Mar 05 j 04:24	21°♌37'13	0.57052 AU	inferior conj	-12082 Feb 16 j 08:56	1°♌00'17	0°07'27
inferior conj	-12083 Mar 07 j 21:57	19°♌48'45	-1°26'41	minimum elong	-12082 Feb 16 j 09:13	0°♌59'52	0°06'45
minimum elong	-12083 Mar 07 j 18:59	19°♌53'42	1°26'33	transit middle	-12082 Feb 16 j 09:13	0°♌59'52	0°06'45
morning rise	-12083 Mar 16 j 10:31	15°♌35'26		transit begin	-12082 Feb 16 j 05:34	1°♌05'18	
direct	-12083 Mar 18 j 14:55	15°♌21'38		transit end	-12082 Feb 16 j 12:52	0°♌54'26	
morning max el	-12083 Mar 27 j 18:25	19°♌41'27	19°16'26	desc. node	-12082 Feb 16 j 20:37	0°♌42'58	
	-12083 Apr 04 j 15:39	0°♍			-12082 Feb 18 j 02:03	30°♎	
asc. node	-12083 Apr 10 j 20:14	11°♍07'14		morning rise	-12082 Feb 25 j 12:36	26°♎56'21	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

direct	-12082 Feb 27 j 17:21	26° \mathbb{M} 44'22		direct	-12081 Feb 08 j 09:23	7° \mathbb{M} 22'22	
	-12082 Mar 08 j 07:37	0° \mathbb{X}		morning max el	-12081 Feb 20 j 17:02	13° \mathbb{M} 19'00	21°41'48
morning max el	-12082 Mar 10 j 11:25	1° \mathbb{X} 50'43	20°20'04		-12081 Mar 04 j 22:34	0° \mathbb{X}	
	-12082 Mar 28 j 06:36	0° \mathbb{Z}		morning set	-12081 Mar 13 j 05:40	16° \mathbb{X} 00'21	
morning set	-12082 Mar 28 j 20:49	1° \mathbb{Z} 11'54		asc. node	-12081 Mar 15 j 14:14	20° \mathbb{X} 55'09	
asc. node	-12082 Mar 28 j 17:12	0° \mathbb{Z} 53'36			-12081 Mar 19 j 22:01	0° \mathbb{Z}	
superior conj	-12082 Apr 05 j 16:49	17° \mathbb{Z} 11'48	1°08'00	superior conj	-12081 Mar 20 j 15:22	1° \mathbb{Z} 30'33	0°45'43
minimum elong	-12082 Apr 05 j 14:05	16° \mathbb{Z} 57'57	1°06'56	minimum elong	-12081 Mar 20 j 13:26	1° \mathbb{Z} 20'28	0°44'40
max. Earth dist.	-12082 Apr 10 j 12:42	26° \mathbb{Z} 44'28	1.36241 AU	max. Earth dist.	-12081 Mar 24 j 03:33	8° \mathbb{Z} 43'05	1.34874 AU
	-12082 Apr 12 j 05:34	0° \approx		evening rise	-12081 Mar 28 j 22:16	18° \mathbb{Z} 08'54	
evening rise	-12082 Apr 14 j 18:35	4° \approx 45'18			-12081 Apr 04 j 08:42	0° \approx	
	-12082 Apr 29 j 17:04	0° \mathbb{H}			-12081 Apr 23 j 21:01	0° \mathbb{H}	
desc. node	-12082 May 15 j 19:22	22° \mathbb{H} 05'12		desc. node	-12081 May 02 j 16:45	10° \mathbb{H} 13'30	
evening max el	-12082 May 20 j 12:43	27° \mathbb{H} 12'43	26°04'59	evening max el	-12081 May 02 j 23:30	10° \mathbb{H} 30'11	26°57'49
	-12082 May 23 j 13:43	0° \mathbb{Y}		retrograde	-12081 May 16 j 04:33	18° \mathbb{H} 00'24	
retrograde	-12082 Jun 02 j 01:31	4° \mathbb{Y} 28'58		evening set	-12081 May 22 j 22:26	15° \mathbb{H} 13'45	
evening set	-12082 Jun 08 j 09:05	1° \mathbb{Y} 45'38		min. Earth dist.	-12081 May 26 j 18:44	11° \mathbb{H} 19'11	0.65153 AU
	-12082 Jun 10 j 03:57	30° \mathbb{R} \mathbb{H}		inferior conj	-12081 May 28 j 16:58	9° \mathbb{H} 02'58	-3°12'52
min. Earth dist.	-12082 Jun 12 j 12:23	27° \mathbb{H} 12'39	0.66219 AU	minimum elong	-12081 May 28 j 18:44	8° \mathbb{H} 57'46	3°12'56
inferior conj	-12082 Jun 13 j 20:21	25° \mathbb{H} 31'08	-2°49'07	morning rise	-12081 Jun 03 j 15:22	3° \mathbb{H} 25'20	
minimum elong	-12082 Jun 13 j 22:36	25° \mathbb{H} 23'59	2°48'43	direct	-12081 Jun 06 j 16:42	2° \mathbb{H} 33'39	
morning rise	-12082 Jun 19 j 12:11	19° \mathbb{H} 38'39		asc. node	-12081 Jun 11 j 14:38	4° \mathbb{H} 38'32	
direct	-12082 Jun 22 j 20:19	18° \mathbb{H} 34'14		morning max el	-12081 Jun 13 j 07:16	6° \mathbb{H} 11'13	18°32'05
asc. node	-12082 Jun 24 j 17:53	18° \mathbb{H} 54'06			-12081 Jun 29 j 11:55	0° \mathbb{Y}	
morning max el	-12082 Jun 29 j 21:17	22° \mathbb{H} 35'01	19°13'17	morning set	-12081 Jul 03 j 04:10	6° \mathbb{Y} 02'31	
	-12082 Jul 05 j 20:11	0° \mathbb{Y}		superior conj	-12081 Jul 18 j 00:54	0° \mathbb{Z} 03'24	1°04'08
morning set	-12082 Jul 22 j 19:18	26° \mathbb{Y} 09'48		minimum elong	-12081 Jul 18 j 07:21	0° \mathbb{Z} 29'00	1°03'49
	-12082 Jul 25 j 05:31	0° \mathbb{Z}			-12081 Jul 18 j 00:03	0° \mathbb{Z}	
max. Earth dist.	-12082 Aug 06 j 09:38	19° \mathbb{Z} 14'17	1.44499 AU	max. Earth dist.	-12081 Jul 20 j 02:40	3° \mathbb{Z} 20'54	1.44499 AU
superior conj	-12082 Aug 08 j 00:50	21° \mathbb{Z} 49'43	0°21'27	desc. node	-12081 Jul 29 j 13:19	18° \mathbb{Z} 15'34	
minimum elong	-12082 Aug 08 j 03:28	22° \mathbb{Z} 00'07	0°21'40	evening rise	-12081 Aug 03 j 14:11	26° \mathbb{Z} 11'35	
desc. node	-12082 Aug 11 j 15:55	27° \mathbb{Z} 36'08			-12081 Aug 06 j 00:13	0° \mathbb{I}	
	-12082 Aug 13 j 03:55	0° \mathbb{I}		evening max el	-12081 Aug 26 j 17:43	29° \mathbb{I} 57'40	19°19'32
evening rise	-12082 Aug 23 j 08:32	16° \mathbb{I} 29'16			-12081 Aug 26 j 18:38	0° \mathbb{G}	
	-12082 Aug 31 j 15:29	0° \mathbb{G}		retrograde	-12081 Sep 02 j 19:49	4° \mathbb{G} 00'36	
evening max el	-12082 Sep 12 j 07:36	16° \mathbb{G} 27'22	18°38'14	evening set	-12081 Sep 06 j 02:16	2° \mathbb{G} 58'48	
retrograde	-12082 Sep 19 j 00:28	20° \mathbb{G} 11'20		asc. node	-12081 Sep 07 j 15:24	1° \mathbb{G} 47'48	
asc. node	-12082 Sep 20 j 18:21	19° \mathbb{G} 54'17			-12081 Sep 09 j 09:44	30° \mathbb{R} \mathbb{I}	
evening set	-12082 Sep 21 j 22:46	19° \mathbb{G} 23'31		inferior conj	-12081 Sep 11 j 18:55	27° \mathbb{I} 05'57	1°17'08
inferior conj	-12082 Sep 27 j 23:07	13° \mathbb{G} 43'32	2°09'02	minimum elong	-12081 Sep 11 j 17:09	27° \mathbb{I} 11'35	1°17'11
minimum elong	-12082 Sep 27 j 20:13	13° \mathbb{G} 52'06	2°08'45	min. Earth dist.	-12081 Sep 13 j 02:16	25° \mathbb{I} 26'31	0.65790 AU
min. Earth dist.	-12082 Sep 29 j 18:44	11° \mathbb{G} 34'58	0.64712 AU	morning rise	-12081 Sep 17 j 07:42	20° \mathbb{I} 49'20	
morning rise	-12082 Oct 03 j 17:05	7° \mathbb{G} 35'00		direct	-12081 Sep 23 j 10:53	18° \mathbb{I} 13'48	
direct	-12082 Oct 10 j 08:43	4° \mathbb{G} 51'41		morning max el	-12081 Oct 05 j 23:22	25° \mathbb{I} 32'09	26°06'16
morning max el	-12082 Oct 23 j 13:01	12° \mathbb{G} 21'31	27°01'50		-12081 Oct 10 j 02:48	0° \mathbb{G}	
	-12082 Nov 06 j 20:58	0° \mathbb{Q}		desc. node	-12081 Oct 25 j 12:12	20° \mathbb{G} 47'33	
desc. node	-12082 Nov 07 j 15:27	1° \mathbb{Q} 06'36			-12081 Oct 31 j 08:44	0° \mathbb{Q}	
	-12082 Nov 25 j 02:38	0° \mathbb{P}		morning set	-12081 Nov 10 j 23:16	18° \mathbb{Q} 25'35	
morning set	-12082 Nov 27 j 22:17	5° \mathbb{P} 20'46		max. Earth dist.	-12081 Nov 15 j 01:41	26° \mathbb{Q} 11'31	1.35851 AU
max. Earth dist.	-12082 Dec 02 j 14:16	14° \mathbb{P} 36'24	1.34465 AU		-12081 Nov 17 j 00:23	0° \mathbb{P}	
superior conj	-12082 Dec 06 j 03:54	21° \mathbb{P} 59'09	-1°26'56	superior conj	-12081 Nov 20 j 02:13	6° \mathbb{P} 10'00	-1°35'36
minimum elong	-12082 Dec 06 j 05:41	22° \mathbb{P} 08'31	1°26'39	minimum elong	-12081 Nov 20 j 03:12	6° \mathbb{P} 14'58	1°35'14
	-12082 Dec 09 j 23:01	0° \mathbb{U}		evening rise	-12081 Nov 27 j 19:32	22° \mathbb{P} 02'48	
evening rise	-12082 Dec 13 j 11:56	7° \mathbb{U} 26'40			-12081 Dec 01 j 18:57	0° \mathbb{U}	
asc. node	-12082 Dec 17 j 16:18	15° \mathbb{U} 54'20		asc. node	-12081 Dec 04 j 13:40	5° \mathbb{U} 13'23	
	-12082 Dec 25 j 17:45	0° \mathbb{M}		evening max el	-12081 Dec 16 j 09:32	21° \mathbb{U} 51'18	20°23'37
evening max el	-12081 Jan 03 j 04:51	10° \mathbb{M} 25'25	21°45'07	retrograde	-12081 Dec 26 j 22:39	26° \mathbb{U} 48'24	
retrograde	-12081 Jan 15 j 06:39	16° \mathbb{M} 08'36		evening set	-12081 Dec 29 j 14:26	26° \mathbb{U} 30'53	
evening set	-12081 Jan 18 j 06:48	15° \mathbb{M} 48'23		inferior conj	-12080 Jan 07 j 07:00	22° \mathbb{U} 30'36	3°17'32
inferior conj	-12081 Jan 27 j 07:45	11° \mathbb{M} 45'54	1°51'29	minimum elong	-12080 Jan 07 j 12:39	22° \mathbb{U} 22'07	3°16'05
minimum elong	-12081 Jan 27 j 12:14	11° \mathbb{M} 39'29	1°49'41	min. Earth dist.	-12080 Jan 09 j 00:10	21° \mathbb{U} 29'01	0.55910 AU
min. Earth dist.	-12081 Jan 27 j 10:58	11° \mathbb{M} 41'18	0.55457 AU	morning rise	-12080 Jan 16 j 09:17	18° \mathbb{U} 04'37	
desc. node	-12081 Feb 03 j 17:22	8° \mathbb{M} 09'57		direct	-12080 Jan 20 j 01:57	17° \mathbb{U} 34'35	
morning rise	-12081 Feb 05 j 17:38	7° \mathbb{M} 38'14		desc. node	-12080 Jan 21 j 14:03	17° \mathbb{U} 39'43	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning max el	-12080 Feb 02 j 12:42	24° Ω 13'05	23°16'13	desc. node	-12079 Jan 07 j 10:44	29° Π 50'36	
	-12080 Feb 07 j 17:34	0° Π			-12079 Jan 07 j 17:33	0° Ω	
	-12080 Feb 25 j 05:40	0° \mathcal{A}		morning max el	-12079 Jan 14 j 03:33	4° Ω 54'18	24°52'07
morning set	-12080 Feb 25 j 17:19	1° \mathcal{A} 00'42			-12079 Feb 01 j 01:29	0° Π	
asc. node	-12080 Mar 01 j 11:23	11° \mathcal{A} 06'56		morning set	-12079 Feb 09 j 05:50	16° Π 05'36	
					-12079 Feb 15 j 17:05	0° \mathcal{A}	
superior conj	-12080 Mar 03 j 20:22	16° \mathcal{A} 11'50	0°22'17	superior conj	-12079 Feb 16 j 05:30	1° \mathcal{A} 07'19	-0°01'14
minimum elong	-12080 Mar 03 j 19:27	16° \mathcal{A} 06'51	0°21'25	minimum elong	-12079 Feb 16 j 05:34	1° \mathcal{A} 07'44	0°01'50
max. Earth dist.	-12080 Mar 06 j 04:15	21° \mathcal{A} 07'45	1.33849 AU	behind sun begin	-12079 Feb 16 j 00:31	0° \mathcal{A} 40'21	
	-12080 Mar 10 j 11:41	0° \mathcal{B}		behind sun end	-12079 Feb 16 j 10:38	1° \mathcal{A} 35'05	
evening rise	-12080 Mar 11 j 14:01	2° \mathcal{B} 11'29		asc. node	-12079 Feb 16 j 08:35	1° \mathcal{A} 24'03	
	-12080 Mar 27 j 06:15	0° \approx		max. Earth dist.	-12079 Feb 17 j 12:29	3° \mathcal{A} 54'48	1.33173 AU
evening max el	-12080 Apr 14 j 09:53	23° \approx 32'43	27°24'57	evening rise	-12079 Feb 23 j 14:13	16° \mathcal{A} 40'53	
desc. node	-12080 Apr 18 j 14:02	27° \approx 10'57			-12079 Mar 02 j 11:24	0° \mathcal{B}	
	-12080 Apr 23 j 05:00	0° \mathcal{H}			-12079 Mar 22 j 02:38	0° \approx	
retrograde	-12080 Apr 28 j 02:04	1° \mathcal{H} 07'54		evening max el	-12079 Mar 27 j 17:50	6° \approx 08'30	27°21'07
	-12080 May 02 j 15:47	30° $\mathcal{R}\approx$		desc. node	-12079 Apr 05 j 11:15	12° \approx 28'53	
evening set	-12080 May 05 j 00:38	28° \approx 30'09		retrograde	-12079 Apr 10 j 17:09	13° \approx 41'47	
min. Earth dist.	-12080 May 08 j 16:50	25° \approx 08'35	0.63693 AU	evening set	-12079 Apr 17 j 12:20	11° \approx 26'22	
inferior conj	-12080 May 11 j 05:44	22° \approx 25'51	-3°25'19	min. Earth dist.	-12079 Apr 21 j 06:00	8° \approx 27'12	0.61898 AU
minimum elong	-12080 May 11 j 06:25	22° \approx 24'02	3°25'45	inferior conj	-12079 Apr 24 j 07:30	5° \approx 32'46	-3°22'34
morning rise	-12080 May 17 j 13:03	17° \approx 05'19		minimum elong	-12079 Apr 24 j 06:32	5° \approx 35'03	3°23'06
direct	-12080 May 20 j 08:52	16° \approx 24'41		morning rise	-12079 May 01 j 02:25	0° \approx 30'59	
morning max el	-12080 May 26 j 20:30	19° \approx 49'24	18°08'15	direct	-12079 May 03 j 17:33	29° \mathcal{B} 59'53	
asc. node	-12080 May 28 j 11:25	21° \approx 35'11			-12079 May 03 j 13:37	30° $\mathcal{R}\mathcal{B}$	
	-12080 Jun 03 j 10:41	0° \mathcal{H}			-12079 May 03 j 21:29	0° \approx	
morning set	-12080 Jun 13 j 14:17	17° \mathcal{H} 05'33		morning max el	-12079 May 10 j 10:23	3° \approx 22'55	18°02'40
	-12080 Jun 21 j 04:31	0° \mathcal{Y}		asc. node	-12079 May 15 j 08:14	9° \approx 28'09	
superior conj	-12080 Jun 26 j 14:16	8° \mathcal{Y} 57'15	1°34'13	morning set	-12079 May 26 j 22:38	29° \approx 12'28	
minimum elong	-12080 Jun 26 j 19:34	9° \mathcal{Y} 18'55	1°33'57		-12079 May 27 j 09:13	0° \mathcal{H}	
max. Earth dist.	-12080 Jul 01 j 17:25	17° \mathcal{Y} 15'59	1.43811 AU	superior conj	-12079 Jun 07 j 05:20	19° \mathcal{H} 06'45	1°47'54
	-12080 Jul 09 j 18:27	0° \mathcal{B}		minimum elong	-12079 Jun 07 j 06:54	19° \mathcal{H} 13'29	1°47'42
evening rise	-12080 Jul 12 j 20:33	4° \mathcal{B} 48'45			-12079 Jun 13 j 16:57	0° \mathcal{Y}	
desc. node	-12080 Jul 15 j 10:47	8° \mathcal{B} 49'40		max. Earth dist.	-12079 Jun 14 j 03:10	0° \mathcal{Y} 41'58	1.42532 AU
	-12080 Jul 29 j 11:55	0° Π		evening rise	-12079 Jun 21 j 21:28	13° \mathcal{Y} 10'32	
evening max el	-12080 Aug 08 j 22:21	13° Π 25'54	20°16'20	desc. node	-12079 Jul 02 j 08:16	29° \mathcal{Y} 14'16	
retrograde	-12080 Aug 16 j 16:38	17° Π 57'04			-12079 Jul 02 j 20:29	0° \mathcal{B}	
evening set	-12080 Aug 20 j 09:23	16° Π 38'06		evening max el	-12079 Jul 22 j 20:09	26° \mathcal{B} 50'00	21°26'23
asc. node	-12080 Aug 24 j 12:23	12° Π 20'28			-12079 Jul 26 j 10:53	0° Π	
inferior conj	-12080 Aug 25 j 20:14	10° Π 35'33	0°25'03	retrograde	-12079 Jul 31 j 12:48	1° Π 57'38	
minimum elong	-12080 Aug 25 j 19:40	10° Π 37'28	0°25'29	evening set	-12079 Aug 04 j 17:55	0° Π 18'47	
min. Earth dist.	-12080 Aug 26 j 16:19	9° Π 28'28	0.66566 AU		-12079 Aug 05 j 03:02	30° $\mathcal{R}\mathcal{B}$	
morning rise	-12080 Aug 31 j 05:44	4° Π 14'48		inferior conj	-12079 Aug 10 j 00:56	24° \mathcal{B} 09'29	-0°25'18
direct	-12080 Sep 05 j 18:50	1° Π 53'15		minimum elong	-12079 Aug 10 j 01:28	24° \mathcal{B} 07'41	0°24'32
morning max el	-12080 Sep 17 j 09:18	8° Π 47'49	24°52'39	min. Earth dist.	-12079 Aug 10 j 10:26	23° \mathcal{B} 36'50	0.67050 AU
	-12080 Oct 04 j 03:35	0° \mathcal{B}		asc. node	-12079 Aug 11 j 09:19	22° \mathcal{B} 19'04	
desc. node	-12080 Oct 11 j 09:04	10° \mathcal{B} 51'57		morning rise	-12079 Aug 15 j 08:51	17° \mathcal{B} 48'38	
	-12080 Oct 22 j 22:34	0° Ω		direct	-12079 Aug 20 j 07:51	15° \mathcal{B} 44'24	
morning set	-12080 Oct 23 j 05:54	0° Ω 32'12		morning max el	-12079 Aug 30 j 19:37	22° \mathcal{B} 03'08	23°29'57
max. Earth dist.	-12080 Oct 27 j 03:47	7° Ω 33'51	1.37607 AU		-12079 Sep 06 j 16:21	0° Π	
superior conj	-12080 Nov 02 j 14:43	19° Ω 46'49	-1°37'48		-12079 Sep 27 j 11:42	0° \mathcal{B}	
minimum elong	-12080 Nov 02 j 14:18	19° Ω 44'49	1°37'20	desc. node	-12079 Sep 28 j 06:02	1° \mathcal{B} 12'35	
	-12080 Nov 07 j 18:34	0° Π		morning set	-12079 Oct 04 j 12:53	11° \mathcal{B} 27'10	
evening rise	-12080 Nov 10 j 22:27	6° Π 19'51		max. Earth dist.	-12079 Oct 09 j 02:16	19° \mathcal{B} 13'39	1.39571 AU
asc. node	-12080 Nov 20 j 11:02	24° Π 00'24			-12079 Oct 15 j 02:56	0° Ω	
	-12080 Nov 24 j 13:44	0° Ω		superior conj	-12079 Oct 16 j 13:12	2° Ω 38'03	-1°31'36
evening max el	-12080 Nov 28 j 00:35	3° Ω 51'51	19°19'40	minimum elong	-12079 Oct 16 j 10:58	2° Ω 27'41	1°30'52
retrograde	-12080 Dec 07 j 01:52	8° Ω 09'44		evening rise	-12079 Oct 25 j 18:13	20° Ω 11'28	
evening set	-12080 Dec 09 j 14:19	7° Ω 51'16			-12079 Oct 30 j 22:32	0° Π	
inferior conj	-12080 Dec 17 j 18:55	3° Ω 39'17	4°06'10	asc. node	-12079 Nov 07 j 08:22	12° Π 05'06	
minimum elong	-12080 Dec 17 j 21:50	3° Ω 34'22	4°05'52	evening max el	-12079 Nov 11 j 01:22	16° Π 25'14	18°35'44
min. Earth dist.	-12080 Dec 20 j 13:54	1° Ω 47'11	0.57110 AU	retrograde	-12079 Nov 18 j 22:17	20° Π 16'06	
	-12080 Dec 23 j 13:23	30° $\mathcal{R}\Pi$		evening set	-12079 Nov 21 j 09:43	19° Π 54'37	
morning rise	-12080 Dec 26 j 03:12	28° Π 48'49		inferior conj	-12079 Nov 29 j 01:32	15° Π 23'07	4°16'44
direct	-12080 Dec 31 j 04:31	27° Π 50'00					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-12079 Nov 29 j 00:45	15° \mathbb{M} 24'37	4°16'56	inferior conj	-12078 Nov 11 j 02:51	27° Ω 39'55	3°59'03
min. Earth dist.	-12079 Dec 02 j 06:18	12° \mathbb{M} 55'28	0.58788 AU	minimum elong	-12078 Nov 10 j 23:44	27° Ω 46'53	3°59'01
morning rise	-12079 Dec 06 j 13:56	10° \mathbb{M} 10'28		min. Earth dist.	-12078 Nov 14 j 04:30	24° Ω 56'48	0.60637 AU
direct	-12079 Dec 12 j 19:10	8° \mathbb{M} 34'04		morning rise	-12078 Nov 17 j 22:33	22° Ω 07'56	
desc. node	-12079 Dec 25 j 07:23	14° \mathbb{M} 26'25		direct	-12078 Nov 24 j 19:48	19° Ω 57'25	
morning max el	-12079 Dec 26 j 20:10	15° \mathbb{M} 50'42	26°14'47	morning max el	-12078 Dec 08 j 18:40	27° Ω 21'05	27°11'10
	-12078 Jan 07 j 09:31	0° $\underline{\mathbb{A}}$			-12078 Dec 11 j 08:53	0° \mathbb{M}	
	-12078 Jan 24 j 04:17	0° \mathbb{M}		desc. node	-12078 Dec 12 j 04:01	0° \mathbb{M} 52'32	
morning set	-12078 Jan 24 j 17:29	1° \mathbb{M} 08'52			-12078 Dec 31 j 20:33	0° $\underline{\mathbb{A}}$	
				morning set	-12077 Jan 09 j 02:20	16° $\underline{\mathbb{A}}$ 02'26	
superior conj	-12078 Jan 31 j 16:53	16° \mathbb{M} 10'41	-0°23'54	max. Earth dist.	-12077 Jan 15 j 14:28	29° $\underline{\mathbb{A}}$ 56'27	1.32820 AU
minimum elong	-12078 Jan 31 j 17:51	16° \mathbb{M} 15'56	0°24'12		-12077 Jan 15 j 15:07	0° \mathbb{M}	
max. Earth dist.	-12078 Feb 01 j 01:08	16° \mathbb{M} 55'42	1.32832 AU				
asc. node	-12078 Feb 03 j 05:51	21° \mathbb{M} 42'28		superior conj	-12077 Jan 16 j 04:44	1° \mathbb{M} 14'20	-0°45'02
	-12078 Feb 07 j 03:13	0° \mathbb{A}		minimum elong	-12077 Jan 16 j 06:23	1° \mathbb{M} 23'17	0°45'05
evening rise	-12078 Feb 07 j 20:10	1° \mathbb{A} 28'11		asc. node	-12077 Jan 21 j 03:09	11° \mathbb{M} 57'10	
	-12078 Feb 23 j 13:28	0° \mathbb{B}		evening rise	-12077 Jan 23 j 05:34	16° \mathbb{M} 24'19	
evening max el	-12078 Mar 09 j 21:23	18° \mathbb{B} 09'47	26°44'25		-12077 Jan 30 j 02:04	0° \mathbb{A}	
desc. node	-12078 Mar 23 j 08:20	25° \mathbb{B} 34'02		evening max el	-12077 Feb 19 j 19:16	29° \mathbb{A} 33'48	25°38'08
retrograde	-12078 Mar 24 j 00:11	25° \mathbb{B} 35'10			-12077 Feb 20 j 06:24	0° \mathbb{B}	
evening set	-12078 Mar 30 j 06:24	23° \mathbb{B} 52'12		retrograde	-12077 Mar 05 j 20:54	6° \mathbb{B} 45'10	
min. Earth dist.	-12078 Apr 03 j 10:47	21° \mathbb{B} 01'30	0.59926 AU	desc. node	-12077 Mar 10 j 05:21	5° \mathbb{B} 59'42	
inferior conj	-12078 Apr 06 j 18:42	18° \mathbb{B} 16'06	-2°59'11	evening set	-12077 Mar 11 j 05:32	5° \mathbb{B} 36'39	
minimum elong	-12078 Apr 06 j 15:59	18° \mathbb{B} 21'47	2°59'27	min. Earth dist.	-12077 Mar 16 j 08:41	2° \mathbb{B} 40'46	0.58014 AU
morning rise	-12078 Apr 14 j 04:07	13° \mathbb{B} 33'54		inferior conj	-12077 Mar 19 j 11:50	0° \mathbb{B} 26'24	-2°09'06
direct	-12078 Apr 16 j 14:56	13° \mathbb{B} 10'50		minimum elong	-12077 Mar 19 j 08:18	0° \mathbb{B} 32'47	2°08'57
morning max el	-12078 Apr 23 j 22:12	16° \mathbb{B} 44'37	18°15'57		-12077 Mar 20 j 02:34	30° \mathbb{A} \mathbb{A}	
asc. node	-12078 May 02 j 05:05	28° \mathbb{B} 04'49		morning rise	-12077 Mar 27 j 14:14	26° \mathbb{A} 03'28	
	-12078 May 03 j 08:02	0° \approx		direct	-12077 Mar 29 j 20:53	25° \mathbb{A} 46'50	
morning set	-12078 May 10 j 00:28	12° \approx 12'48		morning max el	-12077 Apr 07 j 05:00	29° \mathbb{A} 45'14	18°48'43
					-12077 Apr 07 j 11:08	0° \mathbb{B}	
superior conj	-12078 May 19 j 22:29	0° \mathbb{A} 34'27	1°47'25	asc. node	-12077 Apr 19 j 01:59	17° \mathbb{B} 14'35	
minimum elong	-12078 May 19 j 21:03	0° \mathbb{A} 28'00	1°47'01	morning set	-12077 Apr 23 j 15:12	25° \mathbb{B} 55'08	
	-12078 May 19 j 14:51	0° \mathbb{A}			-12077 Apr 25 j 17:28	0° \approx	
max. Earth dist.	-12078 May 27 j 07:32	13° \mathbb{A} 29'37	1.40843 AU				
evening rise	-12078 Jun 01 j 15:20	22° \mathbb{A} 22'21		superior conj	-12077 May 02 j 12:50	13° \approx 07'40	1°36'50
	-12078 Jun 06 j 09:18	0° \mathbb{Y}		minimum elong	-12077 May 02 j 10:00	12° \approx 54'13	1°36'06
desc. node	-12078 Jun 19 j 05:46	19° \mathbb{Y} 24'42		max. Earth dist.	-12077 May 09 j 08:14	25° \approx 38'03	1.38970 AU
	-12078 Jun 26 j 21:32	0° \mathbb{B}			-12077 May 11 j 19:45	0° \mathbb{A}	
evening max el	-12078 Jul 05 j 11:29	10° \mathbb{B} 10'58	22°45'37	evening rise	-12077 May 13 j 12:17	2° \mathbb{A} 55'00	
retrograde	-12078 Jul 15 j 06:50	16° \mathbb{B} 00'01			-12077 May 30 j 14:11	0° \mathbb{Y}	
evening set	-12078 Jul 20 j 01:57	13° \mathbb{B} 59'49		desc. node	-12077 Jun 06 j 03:14	9° \mathbb{Y} 14'40	
inferior conj	-12078 Jul 25 j 07:11	7° \mathbb{B} 46'16	-1°12'23	evening max el	-12077 Jun 17 j 22:24	23° \mathbb{Y} 31'04	24°08'02
minimum elong	-12078 Jul 25 j 08:36	7° \mathbb{B} 41'22	1°11'27		-12077 Jun 28 j 10:37	0° \mathbb{B}	
min. Earth dist.	-12078 Jul 25 j 06:06	7° \mathbb{B} 50'00	0.67242 AU	retrograde	-12077 Jun 28 j 21:39	0° \mathbb{B} 00'55	
asc. node	-12078 Jul 29 j 06:11	2° \mathbb{B} 45'47			-12077 Jun 29 j 08:33	30° \mathbb{A} \mathbb{Y}	
morning rise	-12078 Jul 30 j 15:09	1° \mathbb{B} 29'13		evening set	-12077 Jul 04 j 07:34	27° \mathbb{Y} 40'08	
	-12078 Aug 02 j 06:18	30° \mathbb{A} \mathbb{Y}		min. Earth dist.	-12077 Jul 09 j 00:56	22° \mathbb{Y} 06'14	0.67119 AU
direct	-12078 Aug 04 j 01:05	29° \mathbb{Y} 43'15		inferior conj	-12077 Jul 09 j 13:11	21° \mathbb{Y} 24'33	-1°54'52
	-12078 Aug 05 j 21:41	0° \mathbb{B}		minimum elong	-12077 Jul 09 j 15:13	21° \mathbb{Y} 17'36	1°53'59
morning max el	-12078 Aug 13 j 08:54	5° \mathbb{B} 19'31	22°06'40	morning rise	-12077 Jul 14 j 22:50	15° \mathbb{Y} 14'46	
	-12078 Sep 01 j 00:23	0° \mathbb{I}		asc. node	-12077 Jul 16 j 02:59	14° \mathbb{Y} 29'37	
morning set	-12078 Sep 14 j 17:24	21° \mathbb{I} 05'06		direct	-12077 Jul 18 j 21:14	13° \mathbb{Y} 46'26	
desc. node	-12078 Sep 15 j 03:03	21° \mathbb{I} 43'46		morning max el	-12077 Jul 27 j 03:43	18° \mathbb{Y} 40'50	20°49'52
	-12078 Sep 20 j 04:49	0° \mathbb{B}			-12077 Aug 05 j 04:25	0° \mathbb{B}	
max. Earth dist.	-12078 Sep 21 j 04:06	1° \mathbb{B} 36'45	1.41497 AU	morning set	-12077 Aug 25 j 01:21	29° \mathbb{B} 46'41	
					-12077 Aug 25 j 04:45	0° \mathbb{I}	
superior conj	-12078 Sep 28 j 16:14	14° \mathbb{B} 28'28	-1°14'43	desc. node	-12077 Sep 02 j 00:11	12° \mathbb{I} 21'44	
minimum elong	-12078 Sep 28 j 12:22	14° \mathbb{B} 11'27	1°13'39	max. Earth dist.	-12077 Sep 03 j 12:23	14° \mathbb{I} 47'49	1.43104 AU
	-12078 Oct 07 j 06:20	0° Ω					
evening rise	-12078 Oct 09 j 03:36	3° Ω 29'09		superior conj	-12077 Sep 09 j 18:10	25° \mathbb{I} 03'49	-0°45'26
asc. node	-12078 Oct 25 j 05:40	29° Ω 13'39		minimum elong	-12077 Sep 09 j 14:20	24° \mathbb{I} 47'48	0°44'16
evening max el	-12078 Oct 25 j 09:23	29° Ω 22'55	18°11'57		-12077 Sep 12 j 16:28	0° \mathbb{B}	
	-12078 Oct 26 j 00:59	0° \mathbb{M}		evening rise	-12077 Sep 21 j 22:27	16° \mathbb{B} 03'25	
retrograde	-12078 Nov 01 j 11:40	2° \mathbb{M} 59'17			-12077 Sep 29 j 22:49	0° Ω	
evening set	-12078 Nov 03 j 23:32	2° \mathbb{M} 33'17		evening max el	-12077 Oct 08 j 21:42	12° Ω 37'30	18°07'40
	-12078 Nov 08 j 08:44	30° \mathbb{A} Ω		asc. node	-12077 Oct 12 j 02:53	15° Ω 10'38	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

retrograde	-12077 Oct 15 j 14:26	16°♏10'00		retrograde	-12076 Sep 28 j 02:18	29°♎39'52	
evening set	-12077 Oct 18 j 04:31	15°♏37'41		asc. node	-12076 Sep 28 j 00:02	29°♎39'49	
inferior conj	-12077 Oct 24 j 20:17	10°♏23'52	3°23'30	evening set	-12076 Sep 30 j 20:51	28°♎58'42	
minimum elong	-12077 Oct 24 j 16:27	10°♏33'33	3°23'10	inferior conj	-12076 Oct 07 j 02:23	23°♎27'24	2°37'51
min. Earth dist.	-12077 Oct 27 j 11:49	7°♏43'57	0.62407 AU	minimum elong	-12076 Oct 06 j 22:57	23°♎37'01	2°37'27
morning rise	-12077 Oct 31 j 03:21	4°♏35'00		min. Earth dist.	-12076 Oct 09 j 05:23	21°♎04'30	0.63950 AU
direct	-12077 Nov 07 j 04:47	2°♏01'29		morning rise	-12076 Oct 13 j 00:18	17°♎24'46	
morning max el	-12077 Nov 20 j 23:29	9°♏31'12	27°33'55	direct	-12076 Oct 19 j 21:11	14°♎41'24	
desc. node	-12077 Nov 29 j 00:39	18°♏38'43		morning max el	-12076 Nov 02 j 08:24	22°♎14'04	27°22'23
	-12077 Dec 07 j 01:43	0°♏			-12076 Nov 09 j 07:35	0°♏	
	-12077 Dec 23 j 22:36	0°♏		desc. node	-12076 Nov 14 j 21:18	7°♏21'44	
morning set	-12077 Dec 24 j 06:15	0°♏38'44			-12076 Nov 29 j 04:18	0°♏	
max. Earth dist.	-12077 Dec 30 j 00:43	12°♏43'45	1.33150 AU	morning set	-12076 Dec 07 j 02:35	14°♏48'49	
				max. Earth dist.	-12076 Dec 12 j 04:05	25°♏05'28	1.33859 AU
superior conj	-12077 Dec 31 j 15:24	16°♏12'19	-1°03'54				
minimum elong	-12077 Dec 31 j 17:25	16°♏23'13	1°03'47	superior conj	-12076 Dec 14 j 23:05	0°♏58'18	-1°19'40
	-12076 Jan 07 j 00:58	0°♏		minimum elong	-12076 Dec 15 j 01:05	1°♏08'58	1°19'26
evening rise	-12076 Jan 07 j 16:37	1°♏22'32			-12076 Dec 14 j 12:06	0°♏	
asc. node	-12076 Jan 08 j 00:28	2°♏03'39		evening rise	-12076 Dec 22 j 03:40	16°♏16'56	
	-12076 Jan 23 j 16:26	0°♏		asc. node	-12076 Dec 24 j 21:49	21°♏56'58	
evening max el	-12076 Feb 01 j 12:54	10°♏30'53	24°11'26		-12076 Dec 29 j 01:55	0°♏	
retrograde	-12076 Feb 15 j 05:49	17°♏18'33		evening max el	-12075 Jan 13 j 06:53	21°♏23'27	22°37'28
evening set	-12076 Feb 19 j 12:35	16°♏37'39		retrograde	-12075 Jan 26 j 03:10	27°♏33'38	
desc. node	-12076 Feb 25 j 02:16	14°♏00'31		evening set	-12075 Jan 29 j 11:33	27°♏09'03	
min. Earth dist.	-12076 Feb 26 j 02:09	13°♏24'25	0.56465 AU	min. Earth dist.	-12075 Feb 06 j 17:35	23°♏25'51	0.55578 AU
inferior conj	-12076 Feb 28 j 09:10	11°♏58'10	-0°49'23	inferior conj	-12075 Feb 07 j 13:47	22°♏56'39	0°51'59
minimum elong	-12076 Feb 28 j 07:15	12°♏01'11	0°49'27	minimum elong	-12075 Feb 07 j 15:59	22°♏53'29	0°50'45
morning rise	-12076 Mar 08 j 04:51	7°♏50'32		desc. node	-12075 Feb 10 j 23:06	21°♏03'39	
direct	-12076 Mar 10 j 08:44	7°♏37'57		morning rise	-12075 Feb 16 j 21:39	18°♏53'11	
morning max el	-12076 Mar 20 j 03:50	12°♏15'46	19°41'15	direct	-12075 Feb 19 j 05:06	18°♏40'37	
	-12076 Apr 01 j 09:33	0°♏		morning max el	-12075 Mar 02 j 16:16	24°♏08'44	20°52'55
asc. node	-12076 Apr 04 j 22:54	6°♏49'22			-12075 Mar 07 j 18:54	0°♏	
morning set	-12076 Apr 06 j 15:11	10°♏09'32		morning set	-12075 Mar 21 j 21:31	24°♏48'08	
				asc. node	-12075 Mar 22 j 19:55	26°♏43'05	
superior conj	-12076 Apr 14 j 19:01	26°♏31'39	1°19'44		-12075 Mar 24 j 10:00	0°♏	
minimum elong	-12076 Apr 14 j 16:00	26°♏16'48	1°18'44	superior conj	-12075 Mar 29 j 12:40	10°♏34'09	0°58'47
	-12076 Apr 16 j 13:33	0°♏		minimum elong	-12075 Mar 29 j 10:14	10°♏21'39	0°57'42
max. Earth dist.	-12076 Apr 20 j 09:53	7°♏21'06	1.37163 AU	max. Earth dist.	-12075 Apr 02 j 18:41	19°♏07'04	1.35611 AU
evening rise	-12076 Apr 24 j 10:49	14°♏46'04		evening rise	-12075 Apr 07 j 05:34	27°♏41'25	
	-12076 May 03 j 08:15	0°♏			-12075 Apr 08 j 11:20	0°♏	
desc. node	-12076 May 23 j 00:42	28°♏35'19			-12075 Apr 26 j 14:59	0°♏	
	-12076 May 24 j 04:10	0°♏		desc. node	-12075 May 09 j 22:07	17°♏14'52	
evening max el	-12076 May 30 j 07:51	6°♏51'52	25°25'48	evening max el	-12075 May 12 j 18:02	20°♏12'35	26°30'10
retrograde	-12076 Jun 11 j 08:29	13°♏55'07		retrograde	-12075 May 25 j 14:45	27°♏37'03	
evening set	-12076 Jun 17 j 08:43	11°♏17'44		evening set	-12075 Jun 01 j 03:10	24°♏50'46	
min. Earth dist.	-12076 Jun 21 j 16:39	6°♏22'23	0.66650 AU	min. Earth dist.	-12075 Jun 05 j 03:08	20°♏34'28	0.65809 AU
inferior conj	-12076 Jun 22 j 17:08	5°♏02'06	-2°31'25	inferior conj	-12075 Jun 06 j 17:07	18°♏37'16	-3°00'27
minimum elong	-12076 Jun 22 j 19:26	4°♏54'34	2°30'48	minimum elong	-12075 Jun 06 j 19:13	18°♏30'44	3°00'14
	-12076 Jun 27 j 01:14	30°♏		morning rise	-12075 Jun 12 j 11:29	12°♏50'50	
morning rise	-12076 Jun 28 j 06:12	29°♏02'40		direct	-12075 Jun 15 j 16:24	11°♏52'15	
direct	-12076 Jul 01 j 18:55	27°♏50'16		asc. node	-12075 Jun 18 j 20:28	12°♏46'16	
asc. node	-12076 Jul 01 j 23:44	27°♏50'29		morning max el	-12075 Jun 22 j 12:17	15°♏42'21	18°53'42
	-12076 Jul 06 j 20:55	0°♏			-12075 Jul 03 j 00:09	0°♏	
morning max el	-12076 Jul 09 j 05:02	2°♏08'31	19°44'27	morning set	-12075 Jul 14 j 00:31	17°♏33'23	
	-12076 Jul 28 j 21:14	0°♏			-12075 Jul 21 j 19:27	0°♏	
morning set	-12076 Aug 03 j 05:25	8°♏19'06					
max. Earth dist.	-12076 Aug 16 j 01:51	28°♏32'51	1.44173 AU	superior conj	-12075 Jul 29 j 19:00	12°♏39'01	0°40'31
	-12076 Aug 16 j 23:44	0°♏		minimum elong	-12075 Jul 29 j 23:44	12°♏57'44	0°40'27
desc. node	-12076 Aug 18 j 21:24	3°♏02'36		max. Earth dist.	-12075 Jul 29 j 17:49	12°♏34'22	1.44581 AU
				desc. node	-12075 Aug 05 j 18:43	23°♏43'19	
superior conj	-12076 Aug 19 j 16:25	4°♏18'53	-0°04'45		-12075 Aug 09 j 17:22	0°♏	
minimum elong	-12076 Aug 19 j 15:56	4°♏16'58	0°04'05	evening rise	-12075 Aug 14 j 18:55	8°♏06'34	
behind sun begin	-12076 Aug 19 j 05:18	3°♏34'15			-12075 Aug 28 j 15:30	0°♏	
behind sun end	-12076 Aug 20 j 02:35	4°♏59'45		evening max el	-12075 Sep 04 j 23:36	9°♏31'57	18°53'51
evening rise	-12076 Sep 02 j 21:25	27°♏40'39		retrograde	-12075 Sep 11 j 19:43	13°♏23'05	
	-12076 Sep 04 j 06:36	0°♏		evening set	-12075 Sep 14 j 21:06	12°♏29'54	
evening max el	-12076 Sep 21 j 11:23	26°♏02'15	18°21'59				

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

asc. node	-12075 Sep 14 j 21:07	12°♄29'54		greatest brilliancy	-12074 Aug 06 j 02:36	5°♄08'32	-0.7m
inferior conj	-12075 Sep 20 j 17:59	6°♄44'15	1°47'12	evening max el	-12074 Aug 19 j 07:44	23°♄02'15	19°42'03
minimum elong	-12075 Sep 20 j 15:33	6°♄51'43	1°47'02	retrograde	-12074 Aug 26 j 15:51	27°♄15'49	
min. Earth dist.	-12075 Sep 22 j 08:22	4°♄47'12	0.65206 AU	evening set	-12074 Aug 30 j 02:26	26°♄07'07	
morning rise	-12075 Sep 26 j 09:28	0°♄31'38		asc. node	-12074 Sep 01 j 18:07	23°♄45'13	
	-12075 Sep 27 j 01:14	30°♄		inferior conj	-12074 Sep 04 j 16:25	20°♄10'06	0°54'57
direct	-12075 Oct 02 j 20:12	27°♄50'18		minimum elong	-12074 Sep 04 j 15:10	20°♄14'11	0°55'10
	-12075 Oct 09 j 07:33	0°♄		min. Earth dist.	-12074 Sep 05 j 18:56	18°♄43'56	0.66155 AU
morning max el	-12075 Oct 15 j 18:38	5°♄17'26	26°40'52	morning rise	-12074 Sep 10 j 03:35	13°♄51'24	
desc. node	-12075 Nov 01 j 18:01	26°♄45'07		direct	-12074 Sep 16 j 01:02	11°♄20'57	
	-12075 Nov 03 j 21:49	0°♄		morning max el	-12074 Sep 28 j 04:35	18°♄30'28	25°36'40
morning set	-12075 Nov 20 j 11:53	28°♄21'18			-12074 Oct 07 j 23:36	0°♄	
	-12075 Nov 21 j 08:35	0°♄		desc. node	-12074 Oct 19 j 14:49	16°♄37'20	
max. Earth dist.	-12075 Nov 24 j 21:23	6°♄54'51	1.34997 AU		-12074 Oct 27 j 22:04	0°♄	
				morning set	-12074 Nov 03 j 05:47	11°♄03'35	
superior conj	-12075 Nov 29 j 01:36	15°♄24'40	-1°31'17	max. Earth dist.	-12074 Nov 07 j 04:16	18°♄21'12	1.36557 AU
minimum elong	-12075 Nov 29 j 03:07	15°♄32'31	1°31'00				
	-12075 Dec 06 j 01:12	0°♄		superior conj	-12074 Nov 12 j 20:17	29°♄23'12	-1°37'26
evening rise	-12075 Dec 06 j 13:03	1°♄01'22		minimum elong	-12074 Nov 12 j 20:45	29°♄25'30	1°37'03
asc. node	-12075 Dec 11 j 19:13	11°♄30'40			-12074 Nov 13 j 03:39	0°♄	
	-12075 Dec 23 j 19:09	0°♄		evening rise	-12074 Nov 20 j 18:59	15°♄30'38	
evening max el	-12075 Dec 26 j 06:40	2°♄33'27	21°08'42		-12074 Nov 28 j 08:01	0°♄	
retrograde	-12074 Jan 06 j 17:34	7°♄56'31		asc. node	-12074 Nov 28 j 16:36	0°♄37'29	
evening set	-12074 Jan 09 j 13:02	7°♄38'14		evening max el	-12074 Dec 08 j 15:52	14°♄14'48	19°54'06
inferior conj	-12074 Jan 18 j 11:13	3°♄39'07	2°31'45	retrograde	-12074 Dec 18 j 12:45	18°♄53'20	
minimum elong	-12074 Jan 18 j 16:45	3°♄31'09	2°29'53	evening set	-12074 Dec 21 j 02:59	18°♄35'35	
min. Earth dist.	-12074 Jan 19 j 07:43	3°♄09'36	0.55543 AU	inferior conj	-12074 Dec 29 j 14:43	14°♄31'56	3°43'06
	-12074 Jan 25 j 18:10	30°♄		minimum elong	-12074 Dec 29 j 19:34	14°♄24'22	3°42'09
morning rise	-12074 Jan 27 j 19:30	29°♄24'37		min. Earth dist.	-12074 Dec 31 j 20:53	13°♄07'36	0.56350 AU
desc. node	-12074 Jan 28 j 19:52	29°♄13'23		morning rise	-12073 Jan 07 j 10:11	9°♄55'53	
direct	-12074 Jan 30 j 20:11	29°♄04'19		direct	-12073 Jan 11 j 16:52	9°♄15'07	
	-12074 Feb 04 j 18:06	0°♄		desc. node	-12073 Jan 15 j 16:35	9°♄51'29	
morning max el	-12074 Feb 12 j 17:20	5°♄21'16	22°20'51	morning max el	-12073 Jan 25 j 10:00	16°♄06'11	23°57'28
	-12074 Mar 01 j 11:54	0°♄			-12073 Feb 05 j 10:46	0°♄	
morning set	-12074 Mar 06 j 07:50	9°♄42'24		morning set	-12073 Feb 18 j 20:06	24°♄45'30	
asc. node	-12074 Mar 09 j 17:01	16°♄49'33			-12073 Feb 21 j 07:25	0°♄	
				asc. node	-12073 Feb 24 j 14:13	7°♄04'01	
superior conj	-12074 Mar 13 j 14:19	25°♄03'37	0°35'51				
minimum elong	-12074 Mar 13 j 12:48	24°♄55'36	0°34'52	superior conj	-12073 Feb 25 j 21:21	9°♄51'39	0°12'17
	-12074 Mar 15 j 23:04	0°♄		minimum elong	-12073 Feb 25 j 20:51	9°♄48'58	0°11'31
max. Earth dist.	-12074 Mar 16 j 13:45	1°♄15'50	1.34397 AU	behind sun begin	-12073 Feb 25 j 17:18	9°♄29'53	
evening rise	-12074 Mar 21 j 14:58	11°♄23'37		behind sun end	-12073 Feb 26 j 00:24	10°♄08'04	
	-12074 Mar 31 j 20:28	0°♄		max. Earth dist.	-12073 Feb 27 j 18:14	13°♄51'44	1.33531 AU
	-12074 Apr 21 j 22:35	0°♄		evening rise	-12073 Mar 05 j 10:46	25°♄39'05	
evening max el	-12074 Apr 25 j 05:00	3°♄25'23	27°12'55		-12073 Mar 07 j 15:33	0°♄	
desc. node	-12074 Apr 26 j 19:28	4°♄55'55			-12073 Mar 25 j 07:55	0°♄	
retrograde	-12074 May 08 j 15:39	10°♄58'50		evening max el	-12073 Apr 07 j 14:54	16°♄18'29	27°27'17
evening set	-12074 May 15 j 12:10	8°♄14'37		desc. node	-12073 Apr 13 j 16:44	21°♄14'54	
min. Earth dist.	-12074 May 19 j 06:19	4°♄34'42	0.64575 AU	retrograde	-12073 Apr 21 j 10:20	23°♄52'32	
inferior conj	-12074 May 21 j 10:45	2°♄05'58	-3°19'48	evening set	-12073 Apr 28 j 08:34	21°♄23'05	
minimum elong	-12074 May 21 j 12:08	2°♄02'03	3°20'01	min. Earth dist.	-12073 May 02 j 00:41	18°♄12'24	0.62969 AU
	-12074 May 23 j 08:25	30°♄		inferior conj	-12073 May 04 j 19:16	15°♄22'53	-3°26'20
morning rise	-12074 May 27 j 12:37	26°♄35'04		minimum elong	-12073 May 04 j 19:18	15°♄22'47	3°26'51
direct	-12074 May 30 j 11:25	25°♄48'18		morning rise	-12073 May 11 j 07:09	10°♄09'51	
asc. node	-12074 Jun 05 j 17:14	29°♄03'00		direct	-12073 May 14 j 01:00	9°♄33'17	
morning max el	-12074 Jun 05 j 23:53	29°♄19'26	18°19'41	morning max el	-12073 May 20 j 13:38	12°♄55'44	18°03'33
	-12074 Jun 06 j 15:26	0°♄		asc. node	-12073 May 23 j 14:03	16°♄24'55	
morning set	-12074 Jun 24 j 20:15	27°♄55'52			-12073 Jun 01 j 06:15	0°♄	
	-12074 Jun 26 j 01:59	0°♄		morning set	-12073 Jun 06 j 16:24	9°♄27'17	
superior conj	-12074 Jul 08 j 22:18	21°♄02'40	1°18'51	superior conj	-12073 Jun 18 j 21:48	0°♄25'45	1°42'00
minimum elong	-12074 Jul 09 j 04:50	21°♄28'55	1°18'31	minimum elong	-12073 Jun 19 j 01:36	0°♄41'31	1°41'47
max. Earth dist.	-12074 Jul 12 j 09:51	26°♄36'35	1.44285 AU		-12073 Jun 18 j 15:38	0°♄	
	-12074 Jul 14 j 13:07	0°♄		max. Earth dist.	-12073 Jun 24 j 23:13	10°♄22'38	1.43333 AU
desc. node	-12074 Jul 23 j 16:08	14°♄20'45		evening rise	-12073 Jul 04 j 14:30	25°♄39'38	
evening rise	-12074 Jul 25 j 13:20	17°♄17'14			-12073 Jul 07 j 09:42	0°♄	
	-12074 Aug 02 j 17:54	0°♄		desc. node	-12073 Jul 10 j 13:35	4°♄51'03	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12073 Jul 27 j 21:45	0°♂				-12072 May 23 j 18:13	0°♄	
evening max el	-12073 Aug 02 j 09:37	6°♂28'48	20°44'48					
retrograde	-12073 Aug 10 j 12:30	11°♂14'06		superior conj	-12072 May 30 j 00:28	11°♄10'05	1°49'12	
evening set	-12073 Aug 14 j 10:24	9°♂46'46		minimum elong	-12072 May 30 j 00:35	11°♄10'34	1°48'57	
inferior conj	-12073 Aug 19 j 19:23	3°♂41'05	0°03'23	max. Earth dist.	-12072 Jun 06 j 07:09	23°♄35'16	1.41851 AU	
minimum elong	-12073 Aug 19 j 19:17	3°♂41'24	0°03'58		-12072 Jun 10 j 04:47	0°♂		
transit middle	-12073 Aug 19 j 19:17	3°♂41'24	0°03'58	evening rise	-12072 Jun 12 j 20:27	4°♂16'12		
transit begin	-12073 Aug 19 j 16:38	3°♂50'22		desc. node	-12072 Jun 26 j 11:04	25°♂10'24		
transit end	-12073 Aug 19 j 21:56	3°♂32'25			-12072 Jun 29 j 18:29	0°♄		
asc. node	-12073 Aug 19 j 15:05	3°♂55'38		evening max el	-12072 Jul 15 j 04:25	19°♄50'53	21°59'11	
min. Earth dist.	-12073 Aug 20 j 10:51	2°♂48'38	0.66807 AU	retrograde	-12072 Jul 24 j 07:58	25°♄15'56		
	-12073 Aug 22 j 14:55	30°♄		evening set	-12072 Jul 28 j 18:57	23°♄27'49		
morning rise	-12073 Aug 25 j 04:01	27°♄20'08		inferior conj	-12072 Aug 03 j 00:56	17°♄16'13	-0°45'46	
direct	-12073 Aug 30 j 11:06	25°♄05'49		minimum elong	-12072 Aug 03 j 01:52	17°♄13'00	0°44'54	
	-12073 Sep 08 j 18:35	0°♂		min. Earth dist.	-12072 Aug 03 j 05:52	16°♄59'09	0.67168 AU	
morning max el	-12073 Sep 10 j 14:23	1°♂45'37	24°18'11	asc. node	-12072 Aug 05 j 11:58	13°♄58'34		
	-12073 Oct 02 j 01:35	0°♄		morning rise	-12072 Aug 08 j 08:41	10°♄56'39		
desc. node	-12073 Oct 06 j 11:42	6°♄49'02		direct	-12072 Aug 13 j 01:51	9°♄00'27		
morning set	-12073 Oct 16 j 02:52	22°♄40'20		morning max el	-12072 Aug 23 j 01:47	15°♄01'29	22°54'12	
max. Earth dist.	-12073 Oct 20 j 04:19	29°♄48'20	1.38432 AU		-12072 Sep 04 j 03:30	0°♂		
	-12073 Oct 20 j 06:55	0°♂		desc. node	-12072 Sep 22 j 08:39	27°♂14'23		
					-12072 Sep 24 j 01:54	0°♄		
superior conj	-12073 Oct 27 j 03:22	12°♂41'54	-1°36'21	morning set	-12072 Sep 25 j 22:33	3°♄01'35		
minimum elong	-12073 Oct 27 j 02:13	12°♂36'24	1°35'47	max. Earth dist.	-12072 Oct 01 j 03:46	11°♄45'04	1.40412 AU	
evening rise	-12073 Nov 04 j 19:10	29°♂37'31						
	-12073 Nov 04 j 23:44	0°♄		superior conj	-12072 Oct 08 j 18:12	25°♄08'08	-1°25'53	
asc. node	-12073 Nov 15 j 13:56	19°♄07'36		minimum elong	-12072 Oct 08 j 15:10	24°♄54'26	1°25'00	
evening max el	-12073 Nov 21 j 11:10	26°♄29'17	18°58'27		-12072 Oct 11 j 09:53	0°♂		
	-12073 Nov 26 j 18:25	0°♄		evening rise	-12072 Oct 18 j 10:55	13°♂15'17		
retrograde	-12073 Nov 29 j 23:10	0°♄34'15			-12072 Oct 27 j 17:15	0°♄		
evening set	-12073 Dec 02 j 11:05	0°♄14'35		asc. node	-12072 Nov 01 j 11:14	6°♄49'39		
	-12073 Dec 03 j 06:47	30°♄		evening max el	-12072 Nov 03 j 15:12	9°♄12'48	18°23'09	
inferior conj	-12073 Dec 10 j 10:12	25°♄54'27	4°14'49	retrograde	-12072 Nov 11 j 03:17	12°♄56'33		
minimum elong	-12073 Dec 10 j 11:29	25°♄52'09	4°14'51	evening set	-12072 Nov 13 j 14:32	12°♄33'27		
min. Earth dist.	-12073 Dec 13 j 11:00	23°♄45'22	0.57788 AU	inferior conj	-12072 Nov 21 j 00:56	7°♄52'31	4°12'04	
morning rise	-12073 Dec 18 j 09:54	20°♄54'24		minimum elong	-12072 Nov 20 j 22:57	7°♄56'37	4°12'12	
direct	-12073 Dec 24 j 00:12	19°♄40'16		min. Earth dist.	-12072 Nov 24 j 05:31	5°♄15'43	0.59565 AU	
desc. node	-12072 Jan 02 j 13:15	23°♄07'22		morning rise	-12072 Nov 28 j 05:41	2°♄30'58		
morning max el	-12072 Jan 07 j 00:50	26°♄50'04	25°29'46	direct	-12072 Dec 04 j 19:00	0°♄39'12		
	-12072 Jan 10 j 02:10	0°♄		morning max el	-12072 Dec 18 j 19:51	7°♄59'36	26°42'40	
	-12072 Jan 29 j 11:55	0°♄		desc. node	-12072 Dec 19 j 09:53	8°♄33'42		
morning set	-12072 Feb 03 j 08:30	9°♄50'33			-12071 Jan 04 j 12:39	0°♄		
				morning set	-12071 Jan 17 j 19:10	24°♄50'29		
					-12071 Jan 20 j 05:44	0°♄		
superior conj	-12072 Feb 10 j 07:39	24°♄50'58	-0°11'00					
minimum elong	-12072 Feb 10 j 08:07	24°♄53'33	0°11'28	superior conj	-12071 Jan 24 j 19:24	9°♄54'57	-0°33'06	
behind sun begin	-12072 Feb 10 j 04:39	24°♄34'37		minimum elong	-12071 Jan 24 j 20:41	10°♄01'57	0°33'18	
behind sun end	-12072 Feb 10 j 11:36	25°♄12'28		max. Earth dist.	-12071 Jan 24 j 18:18	9°♄48'57	1.32782 AU	
max. Earth dist.	-12072 Feb 11 j 04:59	26°♄46'55	1.32994 AU	asc. node	-12071 Jan 28 j 08:43	17°♄39'10		
asc. node	-12072 Feb 11 j 11:27	27°♄22'01		evening rise	-12071 Jan 31 j 21:18	25°♄08'19		
	-12072 Feb 12 j 16:41	0°♄			-12071 Feb 03 j 06:15	0°♄		
evening rise	-12072 Feb 17 j 13:42	10°♄16'54			-12071 Feb 20 j 23:39	0°♄		
	-12072 Feb 27 j 23:33	0°♄		evening max el	-12071 Mar 01 j 22:02	10°♄24'12	26°19'21	
evening max el	-12072 Mar 19 j 21:10	28°♄40'12	27°09'21	retrograde	-12071 Mar 16 j 01:08	17°♄45'26		
	-12072 Mar 21 j 07:31	0°♄		desc. node	-12071 Mar 17 j 11:00	17°♄40'23		
desc. node	-12072 Mar 30 j 13:54	5°♄40'58		evening set	-12071 Mar 21 j 23:08	16°♄17'07		
retrograde	-12072 Apr 02 j 21:58	6°♄10'20		min. Earth dist.	-12071 Mar 26 j 11:23	13°♄25'57	0.59086 AU	
evening set	-12072 Apr 09 j 13:06	4°♄07'39		inferior conj	-12071 Mar 29 j 19:10	10°♄50'48	-2°41'30	
min. Earth dist.	-12072 Apr 13 j 09:57	1°♄14'10	0.61075 AU	minimum elong	-12071 Mar 29 j 15:53	10°♄57'14	2°41'35	
	-12072 Apr 14 j 19:34	30°♄		morning rise	-12071 Apr 06 j 11:38	6°♄17'26		
inferior conj	-12072 Apr 16 j 15:18	28°♄20'54	-3°15'32	direct	-12071 Apr 08 j 20:34	5°♄57'26		
minimum elong	-12072 Apr 16 j 13:34	28°♄24'49	3°16'00	morning max el	-12071 Apr 16 j 13:10	9°♄39'46	18°27'31	
morning rise	-12072 Apr 23 j 16:03	23°♄27'32		asc. node	-12071 Apr 26 j 07:44	23°♄29'34		
direct	-12072 Apr 26 j 05:28	22°♄59'55			-12071 Apr 29 j 21:25	0°♄		
morning max el	-12072 May 03 j 03:02	26°♄25'28	18°06'00	morning set	-12071 May 02 j 16:36	5°♄17'46		
	-12072 May 06 j 05:57	0°♄						
asc. node	-12072 May 09 j 10:53	4°♄37'54		superior conj	-12071 May 12 j 03:22	23°♄07'44	1°43'56	
morning set	-12072 May 19 j 08:48	21°♄58'35						

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-12071 May 12 j 01:09	22° \approx 57'32	1°43'24	minimum elong	-12070 Apr 24 j 22:02	5° \approx 49'42	1°29'20
	-12071 May 15 j 22:22	0° \mathbb{H}		max. Earth dist.	-12070 May 01 j 09:06	17° \approx 57'00	1.38186 AU
max. Earth dist.	-12071 May 19 j 09:07	6° \mathbb{H} 03'45	1.40050 AU	evening rise	-12070 May 05 j 09:53	25° \approx 08'40	
evening rise	-12071 May 24 j 01:24	14° \mathbb{H} 00'38			-12070 May 08 j 05:29	0° \mathbb{H}	
	-12071 Jun 03 j 01:04	0° \mathbb{Y}			-12070 May 27 j 15:44	0° \mathbb{Y}	
desc. node	-12071 Jun 13 j 08:34	15° \mathbb{Y} 13'02		desc. node	-12070 May 31 j 06:03	4° \mathbb{Y} 51'45	
	-12071 Jun 24 j 18:42	0° \mathbb{B}		evening max el	-12070 Jun 10 j 03:21	16° \mathbb{Y} 30'45	24°42'12
evening max el	-12071 Jun 27 j 17:20	3° \mathbb{B} 10'14	23°20'38	retrograde	-12070 Jun 21 j 14:08	23° \mathbb{Y} 16'14	
retrograde	-12071 Jul 08 j 00:53	9° \mathbb{B} 17'52		evening set	-12070 Jun 27 j 06:08	20° \mathbb{Y} 47'59	
evening set	-12071 Jul 13 j 02:10	7° \mathbb{B} 08'39		min. Earth dist.	-12070 Jul 01 j 19:26	15° \mathbb{Y} 29'56	0.66965 AU
inferior conj	-12071 Jul 18 j 07:16	0° \mathbb{B} 53'41	-1°31'03	inferior conj	-12070 Jul 02 j 12:39	14° \mathbb{Y} 32'05	-2°11'12
minimum elong	-12071 Jul 18 j 08:59	0° \mathbb{B} 47'45	1°30'07	minimum elong	-12070 Jul 02 j 14:51	14° \mathbb{Y} 24'41	2°10'24
min. Earth dist.	-12071 Jul 18 j 01:31	1° \mathbb{B} 13'30	0.67227 AU	morning rise	-12070 Jul 07 j 23:30	8° \mathbb{Y} 26'02	
	-12071 Jul 18 j 22:53	30° \mathbb{R} \mathbb{Y}		asc. node	-12070 Jul 10 j 05:33	7° \mathbb{Y} 17'24	
asc. node	-12071 Jul 23 j 08:47	24° \mathbb{Y} 53'18		direct	-12070 Jul 11 j 17:34	7° \mathbb{Y} 04'36	
morning rise	-12071 Jul 23 j 15:44	24° \mathbb{Y} 39'09		morning max el	-12070 Jul 19 j 14:40	11° \mathbb{Y} 42'59	20°20'16
direct	-12071 Jul 27 j 20:27	23° \mathbb{Y} 00'59			-12070 Aug 02 j 07:29	0° \mathbb{B}	
morning max el	-12071 Aug 05 j 17:13	28° \mathbb{Y} 19'35	21°32'48	morning set	-12070 Aug 15 j 20:33	20° \mathbb{B} 41'13	
	-12071 Aug 07 j 06:31	0° \mathbb{B}			-12070 Aug 21 j 19:13	0° \mathbb{I}	
	-12071 Aug 28 j 20:03	0° \mathbb{I}		max. Earth dist.	-12070 Aug 26 j 18:02	7° \mathbb{I} 52'49	1.43635 AU
morning set	-12071 Sep 05 j 16:53	12° \mathbb{I} 11'07		desc. node	-12070 Aug 27 j 02:52	8° \mathbb{I} 28'17	
desc. node	-12071 Sep 09 j 05:43	17° \mathbb{I} 48'47					
max. Earth dist.	-12071 Sep 13 j 07:43	24° \mathbb{I} 27'00	1.42228 AU	superior conj	-12070 Sep 01 j 01:11	16° \mathbb{I} 28'24	-0°29'18
	-12071 Sep 16 j 15:53	0° \mathbb{E}		minimum elong	-12070 Aug 31 j 22:20	16° \mathbb{I} 16'44	0°28'16
					-12070 Sep 09 j 03:32	0° \mathbb{E}	
superior conj	-12071 Sep 20 j 11:07	6° \mathbb{E} 27'39	-1°03'50	evening rise	-12070 Sep 14 j 01:43	8° \mathbb{E} 26'49	
minimum elong	-12071 Sep 20 j 06:57	6° \mathbb{E} 09'42	1°02'41		-12070 Sep 27 j 02:09	0° \mathbb{O}	
evening rise	-12071 Oct 01 j 14:40	26° \mathbb{E} 15'33		evening max el	-12070 Oct 01 j 14:45	5° \mathbb{O} 38'27	18°11'38
	-12071 Oct 03 j 16:12	0° \mathbb{O}		asc. node	-12070 Oct 06 j 05:39	8° \mathbb{O} 51'12	
evening max el	-12071 Oct 18 j 01:25	22° \mathbb{O} 18'34	18°07'53	retrograde	-12070 Oct 08 j 05:40	9° \mathbb{O} 11'43	
asc. node	-12071 Oct 19 j 08:28	23° \mathbb{O} 29'42		evening set	-12070 Oct 10 j 21:27	8° \mathbb{O} 35'55	
retrograde	-12071 Oct 24 j 22:44	25° \mathbb{O} 52'09		inferior conj	-12070 Oct 17 j 08:42	3° \mathbb{O} 14'31	3°04'59
evening set	-12071 Oct 27 j 11:12	25° \mathbb{O} 23'51		minimum elong	-12070 Oct 17 j 04:56	3° \mathbb{O} 24'29	3°04'35
inferior conj	-12071 Nov 03 j 09:31	20° \mathbb{O} 21'51	3°45'39	min. Earth dist.	-12070 Oct 19 j 19:07	0° \mathbb{O} 40'25	0.63097 AU
minimum elong	-12071 Nov 03 j 05:54	20° \mathbb{O} 30'21	3°45'28		-12070 Oct 20 j 11:06	30° \mathbb{R} \mathbb{E}	
min. Earth dist.	-12071 Nov 06 j 07:35	17° \mathbb{O} 37'39	0.61403 AU	morning rise	-12070 Oct 23 j 11:31	27° \mathbb{E} 19'40	
morning rise	-12071 Nov 09 j 23:19	14° \mathbb{O} 42'13		direct	-12070 Oct 30 j 12:07	24° \mathbb{E} 40'07	
direct	-12071 Nov 16 j 23:41	12° \mathbb{O} 19'55			-12070 Nov 10 j 18:13	0° \mathbb{O}	
morning max el	-12071 Nov 30 j 21:12	19° \mathbb{O} 47'20	27°25'10	morning max el	-12070 Nov 13 j 03:48	2° \mathbb{O} 11'30	27°33'03
desc. node	-12071 Dec 06 j 06:30	25° \mathbb{O} 37'17		desc. node	-12070 Nov 23 j 03:07	13° \mathbb{O} 49'51	
	-12071 Dec 09 j 17:59	0° \mathbb{P}			-12070 Dec 03 j 22:54	0° \mathbb{P}	
	-12071 Dec 28 j 05:46	0° \mathbb{A}		morning set	-12070 Dec 17 j 03:14	24° \mathbb{P} 04'04	
morning set	-12070 Jan 02 j 02:13	9° \mathbb{A} 38'09			-12070 Dec 20 j 00:57	0° \mathbb{A}	
max. Earth dist.	-12070 Jan 08 j 06:38	22° \mathbb{A} 45'13	1.32906 AU	max. Earth dist.	-12070 Dec 22 j 14:13	5° \mathbb{A} 21'52	1.33398 AU
superior conj	-12070 Jan 09 j 06:59	24° \mathbb{A} 57'33	-0°53'22	superior conj	-12070 Dec 24 j 16:36	9° \mathbb{A} 51'12	-1°11'01
minimum elong	-12070 Jan 09 j 08:49	25° \mathbb{A} 07'34	0°53'20	minimum elong	-12070 Dec 24 j 18:40	10° \mathbb{A} 02'18	1°10'51
	-12070 Jan 11 j 14:31	0° \mathbb{M}		evening rise	-12070 Dec 31 j 18:50	25° \mathbb{A} 03'38	
asc. node	-12070 Jan 15 j 06:01	7° \mathbb{M} 51'19		asc. node	-12069 Jan 02 j 03:21	27° \mathbb{A} 52'52	
evening rise	-12070 Jan 16 j 07:36	10° \mathbb{M} 06'26			-12069 Jan 03 j 04:12	0° \mathbb{M}	
	-12070 Jan 26 j 16:23	0° \mathbb{J}			-12069 Jan 22 j 00:42	0° \mathbb{J}	
evening max el	-12070 Feb 11 j 17:49	21° \mathbb{J} 35'34	25°03'10	evening max el	-12069 Jan 24 j 11:07	2° \mathbb{J} 28'16	23°31'42
retrograde	-12070 Feb 25 j 17:27	28° \mathbb{J} 38'47		retrograde	-12069 Feb 06 j 20:48	9° \mathbb{J} 00'52	
evening set	-12070 Mar 02 j 14:52	27° \mathbb{J} 43'28		evening set	-12069 Feb 10 j 17:08	8° \mathbb{J} 28'26	
desc. node	-12070 Mar 04 j 07:57	26° \mathbb{J} 59'40		min. Earth dist.	-12069 Feb 17 j 23:59	5° \mathbb{J} 04'19	0.55995 AU
min. Earth dist.	-12070 Mar 08 j 07:28	24° \mathbb{J} 41'20	0.57289 AU	desc. node	-12069 Feb 19 j 04:50	4° \mathbb{J} 21'05	
inferior conj	-12070 Mar 11 j 03:58	22° \mathbb{J} 45'41	-1°38'51	inferior conj	-12069 Feb 19 j 17:27	4° \mathbb{J} 02'04	-0°08'02
minimum elong	-12070 Mar 11 j 00:45	22° \mathbb{J} 51'09	1°38'40	minimum elong	-12069 Feb 19 j 17:06	4° \mathbb{J} 02'36	0°08'32
morning rise	-12070 Mar 19 j 13:54	18° \mathbb{J} 29'55		transit middle	-12069 Feb 19 j 17:06	4° \mathbb{J} 02'36	0°08'32
direct	-12070 Mar 21 j 18:47	18° \mathbb{J} 15'29		transit begin	-12069 Feb 19 j 13:43	4° \mathbb{J} 07'41	
morning max el	-12070 Mar 30 j 17:00	22° \mathbb{J} 29'24	19°08'33	transit end	-12069 Feb 19 j 20:28	3° \mathbb{J} 57'31	
	-12070 Apr 05 j 18:44	0° \mathbb{Z}		morning rise	-12069 Feb 28 j 19:16	29° \mathbb{M} 57'30	
asc. node	-12070 Apr 13 j 04:39	12° \mathbb{Z} 51'06			-12069 Feb 28 j 14:00	30° \mathbb{R} \mathbb{M}	
morning set	-12070 Apr 16 j 11:41	19° \mathbb{Z} 14'55		direct	-12069 Mar 02 j 23:37	29° \mathbb{M} 45'28	
	-12070 Apr 21 j 22:14	0° \mathbb{A}			-12069 Mar 05 j 07:49	0° \mathbb{J}	
				morning max el	-12069 Mar 13 j 11:32	4° \mathbb{J} 44'05	20°09'23
superior conj	-12070 Apr 25 j 01:04	6° \mathbb{A} 04'21	1°30'13		-12069 Mar 29 j 18:40	0° \mathbb{Z}	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

asc. node	-12069 Mar 31 j 01:38	2° Z 34'48			-12068 Mar 05 j 04:55	0° Z	
morning set	-12069 Mar 31 j 14:43	3° Z 40'45		morning set	-12068 Mar 14 j 23:00	18° Z 26'47	
				asc. node	-12068 Mar 16 j 22:42	22° Z 34'28	
superior conj	-12069 Apr 08 j 12:36	19° Z 45'51	1°11'12		-12068 Mar 20 j 11:47	0° Z	
minimum elong	-12069 Apr 08 j 09:46	19° Z 31'38	1°10'08				
max. Earth dist.	-12069 Apr 13 j 13:28	29° Z 39'20	1.36473 AU	superior conj	-12068 Mar 22 j 09:59	4° Z 00'38	0°49'12
	-12069 Apr 13 j 17:47	0° \approx		minimum elong	-12068 Mar 22 j 07:55	3° Z 49'53	0°48'09
evening rise	-12069 Apr 17 j 17:46	7° \approx 29'20		max. Earth dist.	-12068 Mar 26 j 02:47	11° Z 34'24	1.35050 AU
	-12069 Apr 30 j 23:54	0° X		evening rise	-12068 Mar 30 j 19:16	20° Z 45'52	
desc. node	-12069 May 18 j 03:29	23° X 56'46			-12068 Apr 04 j 19:06	0° \approx	
evening max el	-12069 May 23 j 13:15	29° X 53'11	25°55'21		-12068 Apr 23 j 20:40	0° X	
	-12069 May 23 j 16:00	0° Y		desc. node	-12068 May 04 j 00:53	12° X 13'56	
retrograde	-12069 Jun 04 j 22:59	7° Y 06'09		evening max el	-12068 May 04 j 23:52	13° X 11'41	26°51'25
evening set	-12069 Jun 11 j 04:46	4° Y 24'07		retrograde	-12068 May 18 j 02:52	20° X 40'46	
	-12069 Jun 15 j 04:37	30° R X		evening set	-12068 May 24 j 19:33	17° X 53'40	
min. Earth dist.	-12069 Jun 15 j 09:14	29° X 45'23	0.66345 AU	min. Earth dist.	-12068 May 28 j 16:41	13° X 53'46	0.65337 AU
inferior conj	-12069 Jun 16 j 15:13	28° X 09'21	-2°44'47	inferior conj	-12068 May 30 j 12:48	11° X 42'10	-3°10'01
minimum elong	-12069 Jun 16 j 17:30	28° X 02'02	2°44'19	minimum elong	-12068 May 30 j 14:40	11° X 36'34	3°09'59
morning rise	-12069 Jun 22 j 06:16	22° X 15'02		morning rise	-12068 Jun 05 j 10:06	6° X 02'17	
direct	-12069 Jun 25 j 15:34	21° X 08'34		direct	-12068 Jun 08 j 12:18	5° X 08'54	
asc. node	-12069 Jun 27 j 02:19	21° X 20'11		asc. node	-12068 Jun 12 j 23:06	6° X 52'27	
morning max el	-12069 Jul 02 j 18:37	25° X 13'25	19°20'53	morning max el	-12068 Jun 15 j 04:02	8° X 49'21	18°37'09
	-12069 Jul 06 j 19:20	0° Y			-12068 Jun 29 j 19:44	0° Y	
morning set	-12069 Jul 26 j 05:15	29° Y 27'09		morning set	-12068 Jul 05 j 10:23	9° Y 09'23	
	-12069 Jul 26 j 13:36	0° Z			-12068 Jul 18 j 08:50	0° Z	
max. Earth dist.	-12069 Aug 09 j 09:26	21° Z 49'10	1.44438 AU				
superior conj	-12069 Aug 11 j 13:20	25° Z 15'17	0°14'33	superior conj	-12068 Jul 20 j 13:17	3° Z 28'18	0°58'19
minimum elong	-12069 Aug 11 j 15:08	25° Z 22'26	0°14'54	minimum elong	-12068 Jul 20 j 19:26	3° Z 52'44	0°58'02
behind sun begin	-12069 Aug 11 j 10:27	25° Z 03'47		max. Earth dist.	-12068 Jul 22 j 02:21	5° Z 55'14	1.44544 AU
behind sun end	-12069 Aug 11 j 19:49	25° Z 41'06		desc. node	-12068 Jul 30 j 21:31	19° Z 49'27	
desc. node	-12069 Aug 14 j 00:09	29° Z 09'45		evening rise	-12068 Aug 06 j 00:15	29° Z 29'19	
	-12069 Aug 14 j 12:43	0° II			-12068 Aug 06 j 08:01	0° II	
evening rise	-12069 Aug 26 j 14:30	19° II 35'46			-12068 Aug 26 j 07:26	0° III	
	-12069 Sep 01 j 22:20	0° III		evening max el	-12068 Aug 28 j 14:57	2° III 36'29	19°12'22
evening max el	-12069 Sep 15 j 04:13	19° III 06'26	18°33'27	retrograde	-12068 Sep 04 j 15:20	6° III 36'14	
retrograde	-12069 Sep 21 j 20:19	22° III 48'28		evening set	-12068 Sep 07 j 20:22	5° III 36'48	
asc. node	-12069 Sep 23 j 02:46	22° III 39'32		asc. node	-12068 Sep 08 j 23:50	4° III 47'37	
evening set	-12069 Sep 24 j 17:36	22° III 02'25			-12068 Sep 13 j 09:29	30° R II	
inferior conj	-12069 Sep 30 j 19:14	16° III 24'28	2°16'43	inferior conj	-12068 Sep 13 j 14:04	29° II 45'38	1°25'04
minimum elong	-12069 Sep 30 j 16:10	16° III 33'22	2°16'24	minimum elong	-12068 Sep 13 j 12:07	29° II 51'45	1°25'03
min. Earth dist.	-12069 Oct 02 j 16:42	14° III 12'05	0.64527 AU	min. Earth dist.	-12068 Sep 14 j 23:10	28° II 01'32	0.65648 AU
morning rise	-12069 Oct 06 j 14:09	10° III 17'21		morning rise	-12068 Sep 19 j 03:28	23° II 29'50	
direct	-12069 Oct 13 j 07:16	7° III 33'49		direct	-12068 Sep 25 j 08:37	20° II 52'36	
morning max el	-12069 Oct 26 j 13:31	15° III 04'25	27°08'02	morning max el	-12068 Oct 08 j 00:00	28° II 13'50	26°15'51
	-12069 Nov 07 j 23:11	0° IV			-12068 Oct 09 j 17:16	0° III	
desc. node	-12069 Nov 09 j 23:49	2° IV 51'49		desc. node	-12068 Oct 26 j 20:35	22° III 28'33	
	-12069 Nov 26 j 13:53	0° V			-12068 Oct 31 j 16:40	0° IV	
morning set	-12069 Nov 30 j 19:18	7° V 59'02		morning set	-12068 Nov 12 j 22:39	21° IV 11'42	
max. Earth dist.	-12069 Dec 05 j 13:45	17° V 30'26	1.34297 AU	max. Earth dist.	-12068 Nov 17 j 02:44	29° IV 09'05	1.35616 AU
					-12068 Nov 17 j 13:08	0° V	
superior conj	-12069 Dec 08 j 22:22	24° V 29'24	-1°25'10	superior conj	-12068 Nov 21 j 21:54	8° V 44'40	-1°34'40
minimum elong	-12069 Dec 09 j 00:14	24° V 39'12	1°24'55	minimum elong	-12068 Nov 21 j 23:02	8° V 50'29	1°34'21
	-12069 Dec 11 j 12:52	0° VI		evening rise	-12068 Nov 29 j 13:33	24° V 33'00	
evening rise	-12069 Dec 16 j 05:24	9° VI 54'23			-12068 Dec 02 j 06:11	0° VI	
asc. node	-12069 Dec 20 j 00:43	17° VI 38'24		asc. node	-12068 Dec 05 j 22:06	7° VI 01'36	
	-12069 Dec 26 j 20:55	0° VII		evening max el	-12068 Dec 18 j 10:13	24° VI 46'32	20°34'47
evening max el	-12068 Jan 06 j 06:53	13° VII 24'52	21°58'20	retrograde	-12068 Dec 29 j 05:09	29° VI 50'22	
retrograde	-12068 Jan 18 j 13:44	19° VII 15'20		evening set	-12068 Dec 31 j 21:35	29° VI 32'50	
evening set	-12068 Jan 21 j 15:45	18° VII 54'12		inferior conj	-12067 Jan 09 j 15:45	25° VI 33'19	3°06'41
inferior conj	-12068 Jan 30 j 17:19	14° VII 49'38	1°36'19	minimum elong	-12067 Jan 09 j 21:31	25° VI 24'46	3°05'05
minimum elong	-12068 Jan 30 j 21:17	14° VII 43'58	1°34'37	min. Earth dist.	-12067 Jan 11 j 03:53	24° VI 39'52	0.55785 AU
min. Earth dist.	-12068 Jan 30 j 14:21	14° VII 53'51	0.55459 AU	morning rise	-12067 Jan 18 j 19:58	21° VI 10'31	
desc. node	-12068 Feb 06 j 01:38	11° VII 37'04		direct	-12067 Jan 22 j 08:03	20° VI 43'30	
morning rise	-12068 Feb 09 j 03:08	10° VII 43'44		desc. node	-12067 Jan 22 j 22:25	20° VI 44'19	
direct	-12068 Feb 11 j 16:17	10° VII 29'01		morning max el	-12067 Feb 04 j 15:56	27° VI 17'08	23°01'46
morning max el	-12068 Feb 23 j 18:54	16° VII 18'18	21°28'45		-12067 Feb 07 j 06:49	0° VII	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12067 Feb 25 j 18:32	0°♊		morning set	-12066 Feb 11 j 22:54	18°♊30'38	
morning set	-12067 Feb 27 j 10:24	3°♊26'03			-12066 Feb 17 j 07:29	0°♊	
asc. node	-12067 Mar 03 j 19:51	12°♊45'13					
				superior conj	-12066 Feb 18 j 22:53	3°♊33'20	0°02'19
superior conj	-12067 Mar 06 j 14:14	18°♊39'30	0°25'52	minimum elong	-12066 Feb 18 j 22:49	3°♊32'57	0°01'42
minimum elong	-12067 Mar 06 j 13:09	18°♊33'42	0°24'58	behind sun begin	-12066 Feb 18 j 17:44	3°♊05'31	
max. Earth dist.	-12067 Mar 09 j 02:01	23°♊54'49	1.33976 AU	behind sun end	-12066 Feb 19 j 03:53	4°♊00'23	
	-12067 Mar 12 j 00:51	0°♋		asc. node	-12066 Feb 18 j 17:02	3°♊01'44	
evening rise	-12067 Mar 14 j 09:33	4°♋43'52		max. Earth dist.	-12066 Feb 20 j 09:19	6°♊39'00	1.33254 AU
	-12067 Mar 28 j 12:33	0°♌		evening rise	-12066 Feb 26 j 08:42	19°♊10'05	
evening max el	-12067 Apr 17 j 10:24	26°♌17'12	27°22'47		-12066 Mar 03 j 22:06	0°♍	
desc. node	-12067 Apr 20 j 22:12	29°♌23'53			-12066 Mar 22 j 21:17	0°♍	
	-12067 Apr 21 j 16:46	0°♎		evening max el	-12066 Mar 30 j 18:58	8°♍57'58	27°23'47
retrograde	-12067 May 01 j 01:23	3°♎52'30		desc. node	-12066 Apr 07 j 19:27	14°♍58'57	
evening set	-12067 May 07 j 23:39	1°♎12'34		retrograde	-12066 Apr 13 j 17:30	16°♍31'38	
	-12067 May 09 j 10:12	30°♏		evening set	-12066 Apr 20 j 13:41	14°♍12'16	
min. Earth dist.	-12067 May 11 j 16:10	27°♏46'33	0.63933 AU	min. Earth dist.	-12066 Apr 24 j 06:44	11°♍10'27	0.62183 AU
inferior conj	-12067 May 14 j 02:56	25°♏06'54	-3°24'24	inferior conj	-12066 Apr 27 j 06:32	8°♍16'43	-3°24'14
minimum elong	-12067 May 14 j 03:49	25°♏04'30	3°24'46	minimum elong	-12066 Apr 27 j 05:51	8°♍18'23	3°24'47
morning rise	-12067 May 20 j 08:46	19°♏43'41		morning rise	-12066 May 03 j 23:32	3°♎11'51	
direct	-12067 May 23 j 05:17	19°♏01'34		direct	-12066 May 06 j 15:20	2°♎39'23	
morning max el	-12067 May 29 j 16:56	22°♎27'40	18°10'37	morning max el	-12066 May 13 j 06:51	6°♎02'03	18°02'17
asc. node	-12067 May 30 j 19:55	23°♎39'19		asc. node	-12066 May 17 j 16:43	11°♎24'34	
	-12067 Jun 04 j 14:15	0°♏			-12066 May 28 j 19:16	0°♏	
morning set	-12067 Jun 16 j 16:52	20°♏02'07		morning set	-12066 May 29 j 22:14	2°♏00'22	
	-12067 Jun 22 j 14:05	0°♑					
				superior conj	-12066 Jun 10 j 10:33	22°♏10'33	1°46'50
superior conj	-12067 Jun 29 j 23:33	12°♑13'06	1°30'44	minimum elong	-12066 Jun 10 j 12:41	22°♏19'40	1°46'39
minimum elong	-12067 Jun 30 j 05:18	12°♑36'27	1°30'26		-12066 Jun 15 j 02:30	0°♑	
max. Earth dist.	-12067 Jul 04 j 17:18	19°♑51'51	1.43955 AU	max. Earth dist.	-12066 Jun 17 j 03:59	3°♑23'30	1.42755 AU
	-12067 Jul 11 j 02:49	0°♒		evening rise	-12066 Jun 25 j 09:30	16°♑33'55	
evening rise	-12067 Jul 16 j 09:15	8°♒13'44			-12066 Jul 04 j 02:55	0°♒	
desc. node	-12067 Jul 17 j 18:55	10°♒24'19		desc. node	-12066 Jul 04 j 16:22	0°♒50'43	
	-12067 Jul 30 j 15:49	0°♓		evening max el	-12066 Jul 25 j 19:27	29°♒30'33	21°15'17
evening max el	-12067 Aug 11 j 20:32	16°♓05'08	20°07'01		-12066 Jul 26 j 07:13	0°♓	
retrograde	-12067 Aug 19 j 12:02	20°♓31'35		retrograde	-12066 Aug 03 j 08:20	4°♓32'03	
evening set	-12067 Aug 23 j 03:05	19°♓15'27		evening set	-12066 Aug 07 j 11:32	2°♓56'18	
asc. node	-12067 Aug 26 j 20:50	15°♓30'00			-12066 Aug 10 j 08:45	30°♔	
inferior conj	-12067 Aug 28 j 14:42	13°♓14'15	0°32'53	inferior conj	-12066 Aug 12 j 19:00	26°♔47'58	-0°17'49
minimum elong	-12067 Aug 28 j 13:57	13°♓16'45	0°33'15	minimum elong	-12066 Aug 12 j 19:22	26°♔46'43	0°17'07
min. Earth dist.	-12067 Aug 29 j 12:27	12°♓02'02	0.66469 AU	min. Earth dist.	-12066 Aug 13 j 06:04	26°♔10'03	0.66997 AU
morning rise	-12067 Sep 03 j 00:33	6°♓53'50		asc. node	-12066 Aug 13 j 17:46	25°♔30'14	
direct	-12067 Sep 08 j 15:50	4°♓29'46		morning rise	-12066 Aug 18 j 03:03	20°♔26'59	
morning max el	-12067 Sep 20 j 09:53	11°♓28'51	25°04'21	direct	-12066 Aug 23 j 04:11	18°♔19'59	
	-12067 Oct 05 j 07:30	0°♕		morning max el	-12066 Sep 02 j 19:57	24°♔44'20	23°42'31
desc. node	-12067 Oct 13 j 17:24	12°♕29'47			-12066 Sep 07 j 12:54	0°♖	
	-12067 Oct 24 j 08:57	0°♗			-12066 Sep 28 j 19:30	0°♕	
morning set	-12067 Oct 26 j 08:22	3°♗28'07		desc. node	-12066 Sep 30 j 14:17	2°♕48'17	
max. Earth dist.	-12067 Oct 30 j 05:47	10°♗31'01	1.37323 AU	morning set	-12066 Oct 07 j 19:09	14°♕34'28	
				max. Earth dist.	-12066 Oct 12 j 04:24	22°♕06'43	1.39276 AU
					-12066 Oct 16 j 14:16	0°♘	
superior conj	-12067 Nov 05 j 12:07	22°♘27'31	-1°37'59				
minimum elong	-12067 Nov 05 j 11:57	22°♘26'43	1°37'32	superior conj	-12066 Oct 19 j 13:01	5°♘26'42	-1°33'13
	-12067 Nov 09 j 07:15	0°♙		minimum elong	-12066 Oct 19 j 11:04	5°♘17'35	1°32'31
evening rise	-12067 Nov 13 j 17:19	8°♙53'24		evening rise	-12066 Oct 28 j 14:19	22°♘49'21	
asc. node	-12067 Nov 22 j 19:28	25°♙54'09			-12066 Nov 01 j 08:10	0°♙	
	-12067 Nov 25 j 10:40	0°♚		asc. node	-12066 Nov 09 j 16:47	14°♙05'58	
evening max el	-12067 Nov 30 j 23:47	6°♚42'24	19°28'00	evening max el	-12066 Nov 13 j 23:14	19°♙11'18	18°40'58
retrograde	-12067 Dec 10 j 05:57	11°♚05'12		retrograde	-12066 Nov 21 j 23:38	23°♙05'14	
evening set	-12067 Dec 12 j 18:46	10°♚46'59		evening set	-12066 Nov 24 j 11:14	22°♙44'13	
inferior conj	-12067 Dec 21 j 01:16	6°♚37'37	4°01'24	inferior conj	-12066 Dec 02 j 04:55	18°♙15'47	4°17'15
minimum elong	-12067 Dec 21 j 04:44	6°♚31'53	4°00'57	minimum elong	-12066 Dec 02 j 04:39	18°♙16'19	4°17'24
min. Earth dist.	-12067 Dec 23 j 17:32	4°♚52'11	0.56893 AU	min. Earth dist.	-12066 Dec 05 j 09:08	15°♙52'22	0.58525 AU
morning rise	-12067 Dec 29 j 12:33	1°♚50'47		morning rise	-12066 Dec 09 j 20:12	13°♙06'24	
direct	-12066 Jan 03 j 09:07	0°♚56'57		direct	-12066 Dec 15 j 22:01	11°♙35'46	
desc. node	-12066 Jan 09 j 19:07	2°♚31'20		desc. node	-12066 Dec 27 j 15:46	16°♙47'15	
morning max el	-12066 Jan 17 j 07:02	7°♚58'32	24°38'14	morning max el	-12066 Dec 29 j 22:55	18°♙50'37	26°03'49
	-12066 Feb 02 j 09:47	0°♛					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12065 Jan 08 j 09:25	0°♌			-12064 Jan 02 j 05:52	0°♌	
	-12065 Jan 25 j 17:23	0°♌	morning set		-12064 Jan 11 j 20:08	18°♌29'42	
morning set	-12065 Jan 27 j 10:45	3°♌34'14			-12064 Jan 17 j 05:37	0°♌	
superior conj	-12065 Feb 03 j 09:59	18°♌35'27	-0°20'33	superior conj	-12064 Jan 18 j 21:51	3°♌39'20	-0°41'58
minimum elong	-12065 Feb 03 j 10:50	18°♌40'03	0°20'54	minimum elong	-12064 Jan 18 j 23:24	3°♌47'49	0°42'04
max. Earth dist.	-12065 Feb 03 j 21:35	19°♌38'40	1.32868 AU	max. Earth dist.	-12064 Jan 18 j 11:05	2°♌40'30	1.32801 AU
asc. node	-12065 Feb 05 j 14:16	23°♌19'55		asc. node	-12064 Jan 23 j 11:33	13°♌35'26	
	-12065 Feb 08 j 16:57	0°♌		evening rise	-12064 Jan 25 j 22:53	18°♌50'03	
evening rise	-12065 Feb 10 j 13:54	3°♌54'55			-12064 Jan 31 j 12:34	0°♌	
	-12065 Feb 24 j 18:11	0°♌			-12064 Feb 20 j 09:38	0°♌	
evening max el	-12065 Mar 12 j 23:17	21°♌04'26	26°51'51	evening max el	-12064 Feb 22 j 21:54	2°♌33'27	25°49'32
desc. node	-12065 Mar 25 j 16:36	28°♌25'57		retrograde	-12064 Mar 08 j 00:00	9°♌47'38	
retrograde	-12065 Mar 27 j 01:36	28°♌30'53		desc. node	-12064 Mar 11 j 13:38	9°♌16'33	
evening set	-12065 Apr 02 j 10:28	26°♌42'45		evening set	-12064 Mar 13 j 12:23	8°♌34'05	
min. Earth dist.	-12065 Apr 06 j 12:35	23°♌51'46	0.60225 AU	min. Earth dist.	-12064 Mar 18 j 11:13	5°♌39'56	0.58283 AU
inferior conj	-12065 Apr 09 j 20:06	21°♌03'44	-3°04'20	inferior conj	-12064 Mar 21 j 16:06	3°♌19'31	-2°18'38
minimum elong	-12065 Apr 09 j 17:37	21°♌09'02	3°04'41	minimum elong	-12064 Mar 21 j 12:34	3°♌26'03	2°18'32
morning rise	-12065 Apr 17 j 03:10	16°♌18'33			-12064 Mar 26 j 19:03	30°♌	
direct	-12065 Apr 19 j 14:42	15°♌54'19		morning rise	-12064 Mar 29 j 15:53	28°♌54'05	
morning max el	-12065 Apr 26 j 19:04	19°♌25'29	18°12'46	direct	-12064 Mar 31 j 23:10	28°♌36'36	
asc. node	-12065 May 04 j 13:32	29°♌55'01			-12064 Apr 05 j 20:13	0°♌	
	-12065 May 04 j 14:44	0°♌		morning max el	-12064 Apr 09 j 02:50	2°♌30'12	18°42'37
morning set	-12065 May 12 j 21:42	14°♌53'14		asc. node	-12064 Apr 20 j 10:24	19°♌00'29	
	-12065 May 21 j 02:01	0°♌		morning set	-12064 Apr 25 j 10:46	28°♌30'04	
					-12064 Apr 26 j 05:20	0°♌	
superior conj	-12065 May 22 j 23:59	3°♌26'51	1°48'15	superior conj	-12064 May 04 j 11:34	15°♌51'36	1°38'57
minimum elong	-12065 May 22 j 22:54	3°♌22'01	1°47'54	minimum elong	-12064 May 04 j 08:50	15°♌38'48	1°38'15
max. Earth dist.	-12065 May 30 j 09:21	16°♌18'07	1.41110 AU	max. Earth dist.	-12064 May 11 j 10:20	28°♌31'52	1.39247 AU
evening rise	-12065 Jun 04 j 23:45	25°♌34'55			-12064 May 12 j 06:21	0°♌	
	-12065 Jun 07 j 17:40	0°♌		evening rise	-12064 May 15 j 16:33	5°♌54'59	
desc. node	-12065 Jun 21 j 13:52	21°♌03'44			-12064 May 30 j 19:40	0°♌	
	-12065 Jun 27 j 22:18	0°♌		desc. node	-12064 Jun 07 j 11:23	10°♌57'33	
evening max el	-12065 Jul 08 j 11:36	12°♌51'47	22°33'27	evening max el	-12064 Jun 19 j 22:54	26°♌11'27	23°55'49
retrograde	-12065 Jul 18 j 02:43	18°♌34'24			-12064 Jun 24 j 07:03	0°♌	
evening set	-12065 Jul 22 j 19:43	16°♌37'17		retrograde	-12064 Jun 30 j 18:06	2°♌35'50	
inferior conj	-12065 Jul 28 j 01:05	10°♌24'14	-1°05'31	evening set	-12064 Jul 06 j 01:49	0°♌17'50	
minimum elong	-12065 Jul 28 j 02:23	10°♌19'44	1°04'36		-12064 Jul 06 j 09:41	30°♌	
min. Earth dist.	-12065 Jul 28 j 01:34	10°♌22'33	0.67233 AU	inferior conj	-12064 Jul 11 j 07:13	24°♌02'18	-1°48'49
asc. node	-12065 Jul 31 j 14:36	5°♌48'48		minimum elong	-12064 Jul 11 j 09:11	23°♌55'35	1°47'54
morning rise	-12065 Aug 02 j 08:56	4°♌06'32		min. Earth dist.	-12064 Jul 10 j 20:39	24°♌38'25	0.67157 AU
direct	-12065 Aug 06 j 20:44	2°♌17'56		morning rise	-12064 Jul 16 j 16:30	17°♌51'16	
morning max el	-12065 Aug 16 j 08:36	8°♌00'25	22°18'53	asc. node	-12064 Jul 17 j 11:23	17°♌18'49	
	-12065 Sep 02 j 05:35	0°♌		direct	-12064 Jul 20 j 16:28	16°♌20'32	
desc. node	-12065 Sep 17 j 11:14	23°♌18'01		morning max el	-12064 Jul 29 j 02:32	21°♌21'03	21°00'42
morning set	-12065 Sep 18 j 03:29	24°♌23'14			-12064 Aug 05 j 05:22	0°♌	
	-12065 Sep 21 j 14:15	0°♌			-12064 Aug 25 j 12:36	0°♌	
max. Earth dist.	-12065 Sep 24 j 05:38	4°♌23'26	1.41228 AU	morning set	-12064 Aug 27 j 13:38	3°♌10'48	
				desc. node	-12064 Sep 03 j 08:20	13°♌55'14	
superior conj	-12065 Oct 01 j 19:16	17°♌26'57	-1°18'04	max. Earth dist.	-12064 Sep 05 j 12:55	17°♌27'43	1.42894 AU
minimum elong	-12065 Oct 01 j 15:35	17°♌10'36	1°17'03				
	-12065 Oct 08 j 17:14	0°♌		superior conj	-12064 Sep 12 j 01:11	28°♌13'57	-0°50'39
evening rise	-12065 Oct 12 j 01:27	6°♌12'36		minimum elong	-12064 Sep 11 j 21:10	27°♌56'59	0°49'29
	-12065 Oct 26 j 08:36	0°♌			-12064 Sep 13 j 02:18	0°♌	
asc. node	-12065 Oct 27 j 14:03	1°♌23'44		evening rise	-12064 Sep 23 j 22:46	18°♌54'07	
evening max el	-12065 Oct 28 j 06:16	2°♌05'24	18°14'11		-12064 Sep 30 j 05:54	0°♌	
retrograde	-12065 Nov 04 j 10:47	5°♌43'21		evening max el	-12064 Oct 10 j 18:06	15°♌17'47	18°07'05
evening set	-12065 Nov 06 j 22:26	5°♌18'08		asc. node	-12064 Oct 13 j 11:16	17°♌32'34	
inferior conj	-12065 Nov 14 j 03:33	0°♌27'49	4°03'05	retrograde	-12064 Oct 17 j 11:49	18°♌50'24	
minimum elong	-12065 Nov 14 j 00:40	0°♌34'07	4°03'06	evening set	-12064 Oct 20 j 01:22	18°♌19'14	
	-12065 Nov 14 j 16:14	30°♌		inferior conj	-12064 Oct 26 j 18:48	13°♌08'21	3°29'39
min. Earth dist.	-12065 Nov 17 j 06:10	27°♌45'49	0.60364 AU	minimum elong	-12064 Oct 26 j 14:59	13°♌17'50	3°29'21
morning rise	-12065 Nov 21 j 01:28	24°♌58'29		min. Earth dist.	-12064 Oct 29 j 12:07	10°♌26'47	0.62154 AU
direct	-12065 Nov 27 j 21:02	22°♌52'37		morning rise	-12064 Nov 02 j 03:29	7°♌21'38	
	-12065 Dec 11 j 14:05	0°♌		direct	-12064 Nov 09 j 04:52	4°♌50'38	
morning max el	-12065 Dec 11 j 20:28	0°♌15'13	27°04'49	morning max el	-12064 Nov 23 j 00:32	12°♌20'02	27°32'45
desc. node	-12065 Dec 14 j 12:22	2°♌58'36					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

desc. node	-12064 Nov 30 j 08:57	20°Ω34'20		morning max el	-12063 Nov 05 j 08:59	24°☿59'04	27°26'10
	-12064 Dec 07 j 05:30	0°♊			-12063 Nov 10 j 01:16	0°Ω	
	-12064 Dec 24 j 11:20	0°♊		desc. node	-12063 Nov 17 j 05:37	9°Ω10'31	
morning set	-12064 Dec 26 j 00:57	3°♊09'24			-12063 Nov 30 j 13:43	0°♊	
max. Earth dist.	-12064 Dec 31 j 22:01	15°♊30'41	1.33073 AU	morning set	-12063 Dec 09 j 22:40	17°♊24'42	
				max. Earth dist.	-12063 Dec 15 j 02:34	27°♊56'54	1.33726 AU
					-12063 Dec 16 j 01:59	0°♊	
superior conj	-12063 Jan 02 j 08:49	18°♊38'47	-1°01'14				
minimum elong	-12063 Jan 02 j 10:48	18°♊49'32	1°01'08				
	-12063 Jan 07 j 14:43	0°♊		superior conj	-12063 Dec 17 j 17:08	3°♊27'43	-1°17'31
evening rise	-12063 Jan 09 j 09:48	3°♊48'29		minimum elong	-12063 Dec 17 j 19:10	3°♊38'35	1°17'18
asc. node	-12063 Jan 09 j 08:53	3°♊43'41		evening rise	-12063 Dec 24 j 21:00	18°♊44'24	
	-12063 Jan 23 j 16:57	0°♊		asc. node	-12063 Dec 27 j 06:15	23°♊39'43	
evening max el	-12063 Feb 03 j 15:54	13°♊33'30	24°25'10		-12063 Dec 30 j 11:34	0°♊	
retrograde	-12063 Feb 17 j 11:01	20°♊25'58		evening max el	-12062 Jan 16 j 09:36	24°♊25'55	22°51'25
evening set	-12063 Feb 21 j 21:30	19°♊41'39			-12062 Jan 25 j 02:20	0°♊	
desc. node	-12063 Feb 26 j 10:35	17°♊35'54		retrograde	-12062 Jan 29 j 09:55	0°♊42'17	
min. Earth dist.	-12063 Feb 28 j 05:17	16°♊31'41	0.56657 AU	evening set	-12062 Feb 01 j 20:59	0°♊16'05	
inferior conj	-12063 Mar 02 j 16:22	14°♊57'22	-1°03'13		-12062 Feb 02 j 20:03	30°♊	
minimum elong	-12063 Mar 02 j 14:01	15°♊01'08	1°03'11	min. Earth dist.	-12062 Feb 09 j 21:08	26°♊38'16	0.55661 AU
morning rise	-12063 Mar 11 j 09:38	10°♊48'01		inferior conj	-12062 Feb 10 j 23:05	26°♊00'28	0°36'03
direct	-12063 Mar 13 j 13:34	10°♊35'07		minimum elong	-12062 Feb 11 j 00:35	25°♊58'16	0°35'00
morning max el	-12063 Mar 23 j 03:07	15°♊06'20	19°32'10	desc. node	-12062 Feb 13 j 07:25	24°♊40'02	
	-12063 Apr 02 j 18:19	0°♊		morning rise	-12062 Feb 20 j 05:41	21°♊57'05	
asc. node	-12063 Apr 07 j 07:22	8°♊32'12		direct	-12062 Feb 22 j 11:54	21°♊44'51	
morning set	-12063 Apr 09 j 09:35	12°♊40'23		morning max el	-12062 Mar 05 j 17:13	27°♊05'26	20°41'02
					-12062 Mar 08 j 11:12	0°♊	
superior conj	-12063 Apr 17 j 15:44	29°♊09'11	1°22'39	morning set	-12062 Mar 24 j 15:10	27°♊16'00	
minimum elong	-12063 Apr 17 j 12:41	28°♊54'15	1°21'39	asc. node	-12062 Mar 25 j 04:26	28°♊23'45	
	-12063 Apr 18 j 02:07	0°♊			-12062 Mar 25 j 23:10	0°♊	
max. Earth dist.	-12063 Apr 23 j 11:15	10°♊16'23	1.37419 AU				
evening rise	-12063 Apr 27 j 11:38	17°♊35'31		superior conj	-12062 Apr 01 j 07:57	13°♊06'42	1°02'08
	-12063 May 04 j 17:01	0°♊		minimum elong	-12062 Apr 01 j 05:23	12°♊53'40	1°01'03
desc. node	-12063 May 25 j 08:53	0°♊23'27		max. Earth dist.	-12062 Apr 05 j 18:40	22°♊00'09	1.35827 AU
	-12063 May 25 j 01:30	0°♊			-12062 Apr 09 j 22:56	0°♊	
evening max el	-12063 Jun 02 j 08:22	9°♊31'58	25°14'51	evening rise	-12062 Apr 10 j 03:46	0°♊22'36	
retrograde	-12063 Jun 14 j 05:40	16°♊31'17			-12062 Apr 27 j 19:43	0°♊	
evening set	-12063 Jun 20 j 03:47	13°♊56'01		desc. node	-12062 May 12 j 06:18	19°♊10'09	
min. Earth dist.	-12063 Jun 24 j 13:03	8°♊54'42	0.66742 AU	evening max el	-12062 May 15 j 18:29	22°♊53'19	26°21'48
inferior conj	-12063 Jun 25 j 11:37	7°♊40'09	-2°26'23		-12062 May 26 j 10:26	0°♊	
minimum elong	-12063 Jun 25 j 13:54	7°♊32'35	2°25'42	retrograde	-12062 May 28 j 12:38	0°♊15'14	
morning rise	-12063 Jul 01 j 00:02	1°♊38'53			-12062 May 30 j 12:49	30°♊	
asc. node	-12063 Jul 04 j 08:10	0°♊24'36		evening set	-12062 Jun 03 j 23:24	27°♊29'50	
direct	-12063 Jul 04 j 14:03	0°♊24'16		min. Earth dist.	-12062 Jun 08 j 00:31	23°♊07'40	0.65959 AU
morning max el	-12063 Jul 12 j 02:53	4°♊47'41	19°53'16	inferior conj	-12062 Jun 09 j 12:20	21°♊15'54	-2°56'41
	-12063 Jul 30 j 04:08	0°♊		minimum elong	-12062 Jun 09 j 14:31	21°♊09'06	2°56'24
morning set	-12063 Aug 06 j 16:56	11°♊40'45		morning rise	-12062 Jun 15 j 05:47	15°♊27'14	
	-12063 Aug 18 j 08:28	0°♊		direct	-12062 Jun 18 j 11:47	14°♊26'40	
max. Earth dist.	-12063 Aug 19 j 01:25	1°♊07'30	1.44050 AU	asc. node	-12062 Jun 21 j 04:58	15°♊06'44	
desc. node	-12063 Aug 21 j 05:35	4°♊36'05		morning max el	-12062 Jun 25 j 09:19	18°♊20'23	19°00'10
					-12062 Jul 04 j 04:48	0°♊	
superior conj	-12063 Aug 23 j 03:26	7°♊40'32	-0°11'26	morning set	-12062 Jul 17 j 08:54	20°♊46'17	
minimum elong	-12063 Aug 23 j 02:14	7°♊35'43	0°10'38		-12062 Jul 23 j 04:00	0°♊	
behind sun begin	-12063 Aug 22 j 17:58	7°♊02'22		max. Earth dist.	-12062 Aug 01 j 17:10	15°♊07'32	1.44563 AU
behind sun end	-12063 Aug 23 j 10:30	8°♊09'06					
	-12063 Sep 05 j 15:24	0°♊		superior conj	-12062 Aug 02 j 07:52	16°♊05'42	0°33'52
evening rise	-12063 Sep 06 j 01:04	0°♊40'51		minimum elong	-12062 Aug 02 j 11:54	16°♊21'41	0°33'53
evening max el	-12063 Sep 24 j 07:49	28°♊41'58	18°18'46	desc. node	-12062 Aug 08 j 02:54	25°♊17'08	
	-12063 Sep 25 j 17:15	0°♊			-12062 Aug 11 j 01:52	0°♊	
asc. node	-12063 Sep 30 j 08:24	2°♊16'22		evening rise	-12062 Aug 18 j 02:37	11°♊17'54	
retrograde	-12063 Sep 30 j 22:34	2°♊18'14			-12062 Aug 29 j 19:05	0°♊	
evening set	-12063 Oct 03 j 16:17	1°♊38'37		evening max el	-12062 Sep 07 j 20:29	12°♊11'33	18°48'07
	-12063 Oct 06 j 03:40	30°♊		retrograde	-12062 Sep 14 j 15:19	15°♊59'59	
inferior conj	-12063 Oct 09 j 23:15	26°♊09'53	2°45'10	asc. node	-12062 Sep 17 j 05:31	15°♊21'58	
minimum elong	-12063 Oct 09 j 19:43	26°♊19'40	2°44'47	evening set	-12062 Sep 17 j 15:36	15°♊08'44	
min. Earth dist.	-12063 Oct 12 j 04:14	23°♊43'39	0.63735 AU	inferior conj	-12062 Sep 23 j 13:39	9°♊25'07	1°55'04
morning rise	-12063 Oct 15 j 22:21	20°♊09'07		minimum elong	-12062 Sep 23 j 11:02	9°♊33'00	1°54'51
direct	-12063 Oct 22 j 20:25	17°♊26'12		min. Earth dist.	-12062 Sep 25 j 05:52	7°♊23'53	0.65036 AU

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning rise	-12062 Sep 29 j 05:56	3°☿13'54		morning rise	-12061 Sep 12 j 22:54	16°♄31'42	
direct	-12062 Oct 05 j 18:30	0°☿31'36		direct	-12061 Sep 18 j 22:24	13°♄59'23	
morning max el	-12062 Oct 18 j 19:04	7°☿59'54	26°48'45	morning max el	-12061 Oct 01 j 05:08	21°♄12'04	25°47'21
desc. node	-12062 Nov 04 j 02:19	28°☿28'53			-12061 Oct 08 j 22:11	0°☿	
	-12062 Nov 05 j 02:55	0°♁		desc. node	-12061 Oct 21 j 23:06	18°☿17'13	
	-12062 Nov 22 j 20:29	0°♄			-12061 Oct 29 j 07:08	0°♁	
morning set	-12062 Nov 23 j 09:52	1°♄03'39		morning set	-12061 Nov 06 j 06:19	13°♁53'50	
max. Earth dist.	-12062 Nov 27 j 21:32	9°♄51'24	1.34802 AU	max. Earth dist.	-12061 Nov 10 j 05:56	21°♁20'13	1.36303 AU
					-12061 Nov 14 j 16:27	0°♄	
superior conj	-12062 Dec 01 j 20:36	17°♄57'48	-1°29'52				
minimum elong	-12062 Dec 01 j 22:13	18°♄06'15	1°29'34	superior conj	-12061 Nov 15 j 16:35	2°♄00'41	-1°36'57
	-12062 Dec 07 j 14:17	0°♁		minimum elong	-12061 Nov 15 j 17:15	2°♄04'00	1°36'35
evening rise	-12062 Dec 09 j 06:45	3°♁30'57		evening rise	-12061 Nov 23 j 13:17	18°♄02'39	
asc. node	-12062 Dec 14 j 03:37	13°♁16'51			-12061 Nov 29 j 16:06	0°♁	
	-12062 Dec 24 j 09:32	0°♄		asc. node	-12061 Dec 01 j 00:57	2°♁28'01	
evening max el	-12062 Dec 29 j 08:17	5°♄32'25	21°21'09	evening max el	-12061 Dec 11 j 15:52	17°♁08'13	20°04'02
retrograde	-12061 Jan 10 j 00:27	11°♄02'20		retrograde	-12061 Dec 21 j 18:16	21°♁53'01	
evening set	-12061 Jan 12 j 21:24	10°♄43'31		evening set	-12061 Dec 24 j 09:01	21°♁35'22	
inferior conj	-12061 Jan 21 j 20:44	6°♄43'41	2°17'55	inferior conj	-12060 Jan 01 j 22:30	17°♁33'05	3°34'50
minimum elong	-12061 Jan 22 j 01:59	6°♄36'09	2°16'03	minimum elong	-12060 Jan 02 j 03:42	17°♁25'04	3°33'42
min. Earth dist.	-12061 Jan 22 j 11:20	6°♄22'46	0.55498 AU	min. Earth dist.	-12060 Jan 04 j 00:23	16°♁16'37	0.56184 AU
morning rise	-12061 Jan 31 j 05:53	2°♄31'47		morning rise	-12060 Jan 10 j 20:33	13°♁00'43	
desc. node	-12061 Jan 31 j 04:12	2°♄32'41		direct	-12060 Jan 14 j 22:16	12°♁24'01	
direct	-12061 Feb 03 j 03:12	2°♄13'14		desc. node	-12060 Jan 18 j 00:55	12°♁46'05	
morning max el	-12061 Feb 15 j 19:50	8°♄23'21	22°06'56	morning max el	-12060 Jan 28 j 13:23	19°♁10'49	23°43'04
	-12061 Mar 02 j 22:00	0°♄			-12060 Feb 06 j 12:03	0°♄	
morning set	-12061 Mar 09 j 01:03	12°♄08'34		morning set	-12060 Feb 21 j 13:07	27°♄10'55	
asc. node	-12061 Mar 12 j 01:32	18°♄28'45			-12060 Feb 22 j 21:12	0°♄	
				asc. node	-12060 Feb 26 j 22:40	8°♄42'16	
superior conj	-12061 Mar 16 j 08:35	27°♄32'46	0°39'23				
minimum elong	-12061 Mar 16 j 06:55	27°♄23'59	0°38'24	superior conj	-12060 Feb 28 j 14:56	12°♄18'34	0°15'50
	-12061 Mar 17 j 12:46	0°♁		minimum elong	-12060 Feb 28 j 14:17	12°♄15'04	0°15'03
max. Earth dist.	-12061 Mar 19 j 12:21	4°♁05'43	1.34559 AU	behind sun begin	-12060 Feb 28 j 12:44	12°♄06'47	
evening rise	-12061 Mar 24 j 11:18	13°♁58'54		behind sun end	-12060 Feb 28 j 15:50	12°♄23'21	
	-12061 Apr 02 j 05:27	0°♁		max. Earth dist.	-12060 Mar 01 j 15:38	16°♄38'12	1.33637 AU
	-12061 Apr 22 j 14:39	0°♄		evening rise	-12060 Mar 07 j 05:45	28°♄10'07	
evening max el	-12061 Apr 28 j 05:32	6°♄08'42	27°08'14		-12060 Mar 08 j 03:53	0°♁	
desc. node	-12061 Apr 29 j 03:40	7°♄01'46			-12060 Mar 25 j 10:53	0°♁	
retrograde	-12061 May 11 j 14:19	13°♄41'00		evening max el	-12060 Apr 09 j 15:38	19°♁05'22	27°27'07
evening set	-12061 May 18 j 10:01	10°♄55'43		desc. node	-12060 Apr 15 j 00:58	23°♁35'14	
min. Earth dist.	-12061 May 22 j 04:53	7°♄10'47	0.64786 AU	retrograde	-12060 Apr 23 j 09:54	26°♁39'47	
inferior conj	-12061 May 24 j 07:08	4°♄46'20	-3°17'40	evening set	-12060 Apr 30 j 08:30	24°♁07'07	
minimum elong	-12061 May 24 j 08:39	4°♄41'56	3°17'50	min. Earth dist.	-12060 May 04 j 00:31	20°♁52'56	0.63230 AU
	-12061 May 29 j 02:05	30°♁		inferior conj	-12060 May 06 j 17:10	18°♁05'30	-3°26'24
morning rise	-12061 May 30 j 07:43	29°♁12'58		minimum elong	-12060 May 06 j 17:27	18°♁04'46	3°26'53
direct	-12061 Jun 02 j 07:24	28°♁24'28		morning rise	-12060 May 13 j 03:24	12°♁49'50	
	-12061 Jun 06 j 14:12	0°♄		direct	-12060 May 15 j 21:57	12°♁11'52	
asc. node	-12061 Jun 08 j 01:47	1°♄12'47		morning max el	-12060 May 22 j 10:02	15°♁34'45	18°04'49
morning max el	-12061 Jun 08 j 20:25	1°♄57'38	18°23'37	asc. node	-12060 May 24 j 22:35	18°♁26'06	
	-12061 Jun 27 j 10:44	0°♄			-12060 Jun 01 j 13:49	0°♄	
morning set	-12061 Jun 28 j 00:53	0°♄58'46		morning set	-12060 Jun 08 j 17:37	12°♄20'35	
					-12060 Jun 19 j 01:11	0°♄	
superior conj	-12061 Jul 12 j 09:34	24°♄24'43	1°13'58				
minimum elong	-12061 Jul 12 j 16:12	24°♄51'11	1°13'36	superior conj	-12060 Jun 21 j 05:21	3°♄37'06	1°39'35
max. Earth dist.	-12061 Jul 15 j 09:46	29°♄12'26	1.44375 AU	minimum elong	-12060 Jun 21 j 09:42	3°♄55'07	1°39'22
	-12061 Jul 15 j 21:45	0°♁		max. Earth dist.	-12060 Jun 26 j 23:47	13°♄02'27	1.43514 AU
desc. node	-12061 Jul 26 j 00:17	15°♁55'27		evening rise	-12060 Jul 07 j 03:23	29°♄05'53	
evening rise	-12061 Jul 29 j 00:50	20°♁39'27			-12060 Jul 07 j 17:19	0°♁	
	-12061 Aug 04 j 00:31	0°♄		desc. node	-12060 Jul 11 j 21:44	6°♄27'11	
greatest brilliancy	-12061 Aug 08 j 18:21	7°♄19'19	-0.7m		-12060 Jul 27 j 21:01	0°♄	
evening max el	-12061 Aug 22 j 05:23	25°♄41'59	19°33'54	evening max el	-12060 Aug 04 j 08:12	9°♄08'52	20°34'34
retrograde	-12061 Aug 29 j 11:13	29°♄51'32		retrograde	-12060 Aug 12 j 07:55	13°♄49'05	
evening set	-12061 Sep 01 j 20:20	28°♄45'17		evening set	-12060 Aug 16 j 04:00	12°♄24'40	
asc. node	-12061 Sep 04 j 02:33	26°♄50'21		asc. node	-12060 Aug 20 j 23:31	7°♄07'17	
inferior conj	-12061 Sep 07 j 11:12	22°♄49'39	1°02'54	inferior conj	-12060 Aug 21 j 13:35	6°♄19'58	0°11'04
minimum elong	-12061 Sep 07 j 09:46	22°♄54'18	1°03'02	minimum elong	-12060 Aug 21 j 13:20	6°♄20'51	0°11'36
min. Earth dist.	-12061 Sep 08 j 15:22	21°♄18'52	0.66034 AU	transit middle	-12060 Aug 21 j 13:20	6°♄20'51	0°11'36

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

transit begin	-12060 Aug 21 j 11:24	6°II27'22			-12059 Jun 30 j 23:08	0°8	
transit end	-12060 Aug 21 j 15:16	6°II14'19		evening max el	-12059 Jul 18 j 04:00	22°831'36	21°47'30
min. Earth dist.	-12060 Aug 22 j 06:39	5°II22'27	0.66730 AU	retrograde	-12059 Jul 27 j 03:41	27°850'35	
morning rise	-12060 Aug 26 j 22:29	29°859'02		evening set	-12059 Jul 31 j 12:34	26°805'45	
	-12060 Aug 26 j 22:02	30°88		inferior conj	-12059 Aug 05 j 18:52	19°854'49	-0°38'34
direct	-12060 Sep 01 j 07:39	27°842'12		minimum elong	-12059 Aug 05 j 19:39	19°852'05	0°37'44
	-12060 Sep 07 j 10:49	0°II		min. Earth dist.	-12059 Aug 06 j 01:23	19°832'18	0.67133 AU
morning max el	-12060 Sep 12 j 14:57	4°II27'20	24°30'22	asc. node	-12059 Aug 07 j 20:26	17°807'22	
	-12060 Oct 02 j 07:26	0°8		morning rise	-12059 Aug 11 j 02:38	13°834'40	
desc. node	-12060 Oct 07 j 19:56	8°826'13		direct	-12059 Aug 15 j 21:48	11°835'42	
morning set	-12060 Oct 18 j 06:49	25°841'04		morning max el	-12059 Aug 26 j 01:56	17°843'10	23°06'39
	-12060 Oct 20 j 17:46	0°8			-12059 Sep 05 j 05:06	0°II	
max. Earth dist.	-12060 Oct 22 j 06:34	2°844'55	1.38137 AU	desc. node	-12059 Sep 24 j 16:50	28°II49'49	
					-12059 Sep 25 j 10:25	0°8	
superior conj	-12060 Oct 29 j 01:37	15°825'45	-1°37'05	morning set	-12059 Sep 29 j 06:28	6°814'07	
minimum elong	-12060 Oct 29 j 00:45	15°821'32	1°36'33	max. Earth dist.	-12059 Oct 04 j 05:30	14°835'05	1.40117 AU
	-12060 Nov 05 j 11:35	0°8					
evening rise	-12060 Nov 06 j 14:27	2°813'07		superior conj	-12059 Oct 11 j 19:13	28°800'51	-1°28'10
asc. node	-12060 Nov 16 j 22:16	21°804'21		minimum elong	-12059 Oct 11 j 16:28	27°848'17	1°27'21
evening max el	-12060 Nov 23 j 09:39	29°817'52	19°05'30		-12059 Oct 12 j 21:09	0°8	
	-12060 Nov 24 j 04:05	0°8		evening rise	-12059 Oct 21 j 07:39	15°855'45	
retrograde	-12060 Dec 02 j 02:12	3°827'17			-12059 Oct 28 j 22:45	0°8	
evening set	-12060 Dec 04 j 14:14	3°808'05		asc. node	-12059 Nov 03 j 19:34	8°854'43	
	-12060 Dec 10 j 22:58	30°88		evening max el	-12059 Nov 06 j 12:34	11°857'47	18°27'11
inferior conj	-12060 Dec 12 j 15:15	28°850'53	4°12'33	retrograde	-12059 Nov 14 j 03:35	15°843'49	
minimum elong	-12060 Dec 12 j 17:07	28°847'37	4°12'28	evening set	-12059 Nov 16 j 14:50	15°821'22	
min. Earth dist.	-12060 Dec 15 j 14:18	26°847'25	0.57536 AU	inferior conj	-12059 Nov 24 j 03:07	10°843'51	4°14'17
morning rise	-12060 Dec 20 j 17:58	23°854'07		minimum elong	-12059 Nov 24 j 01:32	10°847'04	4°14'26
direct	-12060 Dec 26 j 03:46	22°845'34		min. Earth dist.	-12059 Nov 27 j 08:03	8°809'44	0.59285 AU
desc. node	-12059 Jan 03 j 21:35	25°839'45		morning rise	-12059 Dec 01 j 10:27	5°825'18	
morning max el	-12059 Jan 09 j 04:07	29°853'44	25°16'58	direct	-12059 Dec 07 j 21:10	3°838'46	
	-12059 Jan 09 j 06:44	0°8		desc. node	-12059 Dec 21 j 18:11	10°848'35	
	-12059 Jan 29 j 22:39	0°8		morning max el	-12059 Dec 21 j 22:15	10°858'14	26°33'33
morning set	-12059 Feb 05 j 01:36	12°816'35			-12058 Jan 05 j 17:40	0°8	
				morning set	-12058 Jan 20 j 12:38	27°817'48	
superior conj	-12059 Feb 12 j 00:52	27°817'13	-0°07'31		-12058 Jan 21 j 19:28	0°8	
minimum elong	-12059 Feb 12 j 01:12	27°819'02	0°08'02				
behind sun begin	-12059 Feb 11 j 20:49	26°855'15		superior conj	-12058 Jan 27 j 12:30	12°821'04	-0°29'50
behind sun end	-12059 Feb 12 j 05:34	27°842'47		minimum elong	-12058 Jan 27 j 13:40	12°827'29	0°30'05
asc. node	-12059 Feb 12 j 19:50	29°800'12		max. Earth dist.	-12058 Jan 27 j 14:41	12°833'04	1.32790 AU
max. Earth dist.	-12059 Feb 13 j 01:35	29°831'23	1.33049 AU	asc. node	-12058 Jan 30 j 17:04	19°817'49	
	-12059 Feb 13 j 06:53	0°8		evening rise	-12058 Feb 03 j 14:48	27°835'39	
evening rise	-12059 Feb 19 j 07:47	12°845'36			-12058 Feb 04 j 18:48	0°8	
	-12059 Feb 28 j 08:11	0°8			-12058 Feb 21 j 22:29	0°8	
	-12059 Mar 21 j 09:37	0°8		evening max el	-12058 Mar 05 j 00:16	13°822'22	26°28'42
evening max el	-12059 Mar 22 j 22:29	1°832'18	27°14'04	retrograde	-12058 Mar 19 j 03:26	20°845'20	
desc. node	-12059 Apr 01 j 22:10	8°820'51		desc. node	-12058 Mar 19 j 19:16	20°844'13	
retrograde	-12059 Apr 05 j 22:49	9°803'44		evening set	-12058 Mar 25 j 04:28	19°811'51	
evening set	-12059 Apr 12 j 15:36	6°856'17		min. Earth dist.	-12058 Mar 29 j 13:41	16°821'06	0.59380 AU
min. Earth dist.	-12059 Apr 16 j 11:04	4°801'11	0.61370 AU	inferior conj	-12058 Apr 01 j 21:46	13°841'50	-2°48'30
inferior conj	-12059 Apr 19 j 15:16	1°806'59	-3°18'36	minimum elong	-12058 Apr 01 j 18:40	13°848'05	2°48'38
minimum elong	-12059 Apr 19 j 13:48	1°810'20	3°19'05	morning rise	-12058 Apr 09 j 11:43	9°805'22	
	-12059 Apr 20 j 20:50	30°88		direct	-12058 Apr 11 j 21:16	8°844'22	
morning rise	-12059 Apr 26 j 13:55	26°810'44		morning max el	-12058 Apr 19 j 10:26	12°823'27	18°23'02
direct	-12059 Apr 29 j 03:57	25°841'55		asc. node	-12058 Apr 28 j 16:13	25°818'55	
morning max el	-12059 May 05 j 23:39	29°806'18	18°04'27		-12058 May 01 j 07:11	0°8	
	-12059 May 06 j 20:40	0°8		morning set	-12058 May 05 j 13:04	7°856'27	
asc. node	-12059 May 11 j 19:23	6°832'24					
morning set	-12059 May 22 j 07:18	24°843'45		superior conj	-12058 May 15 j 03:37	25°857'08	1°45'23
	-12059 May 25 j 04:52	0°8		minimum elong	-12058 May 15 j 01:38	25°848'07	1°44'53
					-12058 May 17 j 09:16	0°8	
superior conj	-12059 Jun 02 j 04:02	14°809'42	1°49'00	max. Earth dist.	-12058 May 22 j 10:53	8°854'28	1.40330 AU
minimum elong	-12059 Jun 02 j 04:39	14°812'19	1°48'48	evening rise	-12058 May 27 j 08:04	17°808'45	
max. Earth dist.	-12059 Jun 09 j 08:19	26°819'56	1.42098 AU		-12058 Jun 04 j 08:22	0°8	
	-12059 Jun 11 j 13:50	0°8		desc. node	-12058 Jun 15 j 16:43	16°854'20	
evening rise	-12059 Jun 16 j 07:08	7°836'09			-12058 Jun 25 j 12:35	0°8	
desc. node	-12059 Jun 28 j 19:12	26°848'35		evening max el	-12058 Jun 30 j 17:43	5°851'44	23°08'23

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

retrograde	-12058 Jul 10 j 21:03	11°♄53'01		evening max el	-12057 Jun 13 j 04:02	19°♃12'05	24°30'25
evening set	-12058 Jul 15 j 20:08	9°♄47'01		retrograde	-12057 Jun 24 j 10:50	25°♃52'08	
inferior conj	-12058 Jul 21 j 01:14	3°♄32'30	-1°24'32	evening set	-12057 Jun 30 j 00:43	23°♃26'28	
minimum elong	-12058 Jul 21 j 02:51	3°♄26'55	1°23'35	min. Earth dist.	-12057 Jul 04 j 15:27	18°♃02'49	0.67025 AU
min. Earth dist.	-12058 Jul 20 j 21:09	3°♄46'35	0.67237 AU	inferior conj	-12057 Jul 05 j 06:53	17°♃10'41	-2°05'33
	-12058 Jul 23 j 17:27	30°♄		minimum elong	-12057 Jul 05 j 09:02	17°♃03'26	2°04'43
asc. node	-12058 Jul 25 j 17:16	27°♃51'40		morning rise	-12057 Jul 10 j 17:16	11°♃03'16	
morning rise	-12058 Jul 26 j 09:29	27°♃16'57		asc. node	-12057 Jul 12 j 14:04	10°♃01'00	
direct	-12058 Jul 30 j 15:59	25°♃36'02		direct	-12057 Jul 14 j 12:50	9°♃39'25	
	-12058 Aug 07 j 16:06	0°♄		morning max el	-12057 Jul 22 j 13:03	14°♃23'11	20°30'22
morning max el	-12058 Aug 08 j 16:34	1°♄00'53	21°44'30		-12057 Aug 03 j 11:46	0°♄	
	-12058 Aug 30 j 02:32	0°♄		morning set	-12057 Aug 19 j 08:58	24°♄06'12	
morning set	-12058 Sep 09 j 04:15	15°♄33'32			-12057 Aug 23 j 03:28	0°♄	
desc. node	-12058 Sep 11 j 13:53	19°♄23'24		desc. node	-12057 Aug 29 j 11:03	10°♄02'24	
max. Earth dist.	-12058 Sep 16 j 08:36	27°♄10'30	1.41980 AU	max. Earth dist.	-12057 Aug 29 j 18:18	10°♄31'35	1.43462 AU
	-12058 Sep 18 j 01:25	0°♄					
superior conj	-12058 Sep 23 j 15:51	9°♄31'59	-1°07'59	superior conj	-12057 Sep 04 j 10:06	19°♄44'47	-0°35'17
minimum elong	-12058 Sep 23 j 11:44	9°♄14'08	1°06'53	minimum elong	-12057 Sep 04 j 06:49	19°♄31'16	0°34'11
evening rise	-12058 Oct 04 j 13:30	29°♄02'37			-12057 Sep 10 j 12:59	0°♄	
	-12058 Oct 05 j 02:04	0°♄		evening rise	-12057 Sep 17 j 03:24	11°♄22'06	
evening max el	-12058 Oct 20 j 22:06	25°♄01'08	18°08'54		-12057 Sep 28 j 03:43	0°♄	
asc. node	-12058 Oct 21 j 16:51	25°♄45'28		evening max el	-12057 Oct 04 j 11:11	8°♄19'19	18°09'51
retrograde	-12058 Oct 27 j 20:58	28°♄35'21		asc. node	-12057 Oct 08 j 14:04	11°♄20'00	
evening set	-12058 Oct 30 j 09:12	28°♄07'54		retrograde	-12057 Oct 11 j 02:31	11°♄52'03	
inferior conj	-12058 Nov 06 j 09:14	23°♄08'56	3°50'42	evening set	-12057 Oct 13 j 17:43	11°♄17'28	
minimum elong	-12058 Nov 06 j 05:46	23°♄16'57	3°50'35	inferior conj	-12057 Oct 20 j 06:30	5°♄58'36	3°11'44
min. Earth dist.	-12058 Nov 09 j 08:43	20°♄24'42	0.61140 AU	minimum elong	-12057 Oct 20 j 02:41	6°♄08'31	3°11'22
morning rise	-12058 Nov 13 j 01:02	17°♄31'59		min. Earth dist.	-12057 Oct 22 j 18:43	3°♄22'17	0.62865 AU
direct	-12058 Nov 20 j 00:37	15°♄13'28		morning rise	-12057 Oct 26 j 10:45	0°♄05'51	
morning max el	-12058 Dec 03 j 22:33	22°♄39'35	27°20'57		-12057 Oct 26 j 13:55	30°♄	
desc. node	-12058 Dec 08 j 14:47	27°♄39'13		direct	-12057 Nov 02 j 11:49	27°♄28'10	
	-12058 Dec 10 j 13:30	0°♄			-12057 Nov 10 j 00:46	0°♄	
	-12058 Dec 29 j 16:47	0°♄		morning max el	-12057 Nov 16 j 04:34	4°♄58'47	27°34'01
morning set	-12057 Jan 04 j 20:21	12°♄07'18		desc. node	-12057 Nov 25 j 11:25	15°♄42'39	
max. Earth dist.	-12057 Jan 11 j 03:22	25°♄30'29	1.32868 AU		-12057 Dec 05 j 05:34	0°♄	
				morning set	-12057 Dec 19 j 22:27	26°♄36'52	
superior conj	-12057 Jan 12 j 00:12	27°♄23'54	-0°50'26		-12057 Dec 21 j 14:22	0°♄	
minimum elong	-12057 Jan 12 j 01:59	27°♄33'35	0°50'27	max. Earth dist.	-12057 Dec 25 j 12:01	8°♄11'05	1.33305 AU
	-12057 Jan 13 j 04:50	0°♄					
asc. node	-12057 Jan 17 j 14:22	9°♄30'43		superior conj	-12057 Dec 27 j 10:15	12°♄19'02	-1°08'34
evening rise	-12057 Jan 19 j 00:50	12°♄32'54		minimum elong	-12057 Dec 27 j 12:18	12°♄30'07	1°08'24
	-12057 Jan 28 j 00:02	0°♄		evening rise	-12056 Jan 03 j 12:04	27°♄30'33	
evening max el	-12057 Feb 14 j 20:47	24°♄37'46	25°15'48	asc. node	-12056 Jan 04 j 11:44	29°♄34'04	
	-12057 Feb 22 j 03:57	0°♄			-12056 Jan 04 j 16:45	0°♄	
retrograde	-12057 Feb 28 j 21:19	1°♄43'58			-12056 Jan 22 j 12:32	0°♄	
evening set	-12057 Mar 05 j 22:41	0°♄44'18		evening max el	-12056 Jan 27 j 14:09	5°♄31'30	23°45'42
desc. node	-12057 Mar 06 j 16:16	0°♄26'15		retrograde	-12056 Feb 10 j 02:34	12°♄09'36	
	-12057 Mar 07 j 14:49	30°♄		evening set	-12056 Feb 14 j 02:27	11°♄34'27	
min. Earth dist.	-12057 Mar 11 j 10:24	27°♄44'34	0.57535 AU	min. Earth dist.	-12056 Feb 21 j 03:10	8°♄14'31	0.56142 AU
inferior conj	-12057 Mar 14 j 09:31	25°♄42'05	-1°50'18	desc. node	-12056 Feb 21 j 13:09	7°♄59'27	
minimum elong	-12057 Mar 14 j 06:08	25°♄47'58	1°50'07	inferior conj	-12056 Feb 23 j 01:41	7°♄03'44	-0°23'09
morning rise	-12057 Mar 22 j 16:48	21°♄23'50		minimum elong	-12056 Feb 23 j 00:43	7°♄05'12	0°23'29
direct	-12057 Mar 24 j 22:18	21°♄08'40		morning rise	-12056 Mar 03 j 01:28	2°♄58'24	
morning max el	-12057 Apr 02 j 15:20	25°♄16'54	19°01'09	direct	-12056 Mar 05 j 05:33	2°♄46'15	
	-12057 Apr 06 j 17:40	0°♄		morning max el	-12056 Mar 15 j 11:27	7°♄37'19	19°59'11
asc. node	-12057 Apr 15 j 13:07	14°♄36'17			-12056 Mar 30 j 05:58	0°♄	
morning set	-12057 Apr 19 j 06:42	21°♄48'33		asc. node	-12056 Apr 01 j 10:07	4°♄17'09	
	-12057 Apr 23 j 10:36	0°♄		morning set	-12056 Apr 02 j 08:47	6°♄10'57	
superior conj	-12057 Apr 27 j 22:50	8°♄45'37	1°32'42				
minimum elong	-12057 Apr 27 j 19:51	8°♄31'18	1°31'52	superior conj	-12056 Apr 10 j 08:39	22°♄21'39	1°14'19
max. Earth dist.	-12057 May 04 j 11:01	20°♄52'35	1.38460 AU	minimum elong	-12056 Apr 10 j 05:44	22°♄07'08	1°13'17
evening rise	-12057 May 08 j 12:34	28°♄04'28			-12056 Apr 14 j 06:02	0°♄	
	-12057 May 09 j 15:20	0°♄		max. Earth dist.	-12056 Apr 15 j 14:34	2°♄35'45	1.36709 AU
	-12057 May 28 j 18:49	0°♄		evening rise	-12056 Apr 19 j 17:22	10°♄15'30	
desc. node	-12057 Jun 02 j 14:15	6°♄37'18			-12056 May 01 j 07:10	0°♄	
				desc. node	-12056 May 19 j 11:44	25°♄48'22	
					-12056 May 23 j 02:46	0°♄	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening max el	-12056 May 25 j 13:48	2° Υ 34'18	25°45'16	desc. node	-12055 May 06 j 09:08	14° \mathbb{H} 13'49	
retrograde	-12056 Jun 06 j 20:22	9° Υ 43'55		evening max el	-12055 May 08 j 00:11	15° \mathbb{H} 53'27	26°44'26
evening set	-12056 Jun 13 j 00:18	7° Υ 03'17		retrograde	-12055 May 21 j 01:07	23° \mathbb{H} 21'17	
min. Earth dist.	-12056 Jun 17 j 05:57	2° Υ 18'48	0.66464 AU	evening set	-12055 May 27 j 16:26	20° \mathbb{H} 34'08	
inferior conj	-12056 Jun 18 j 09:59	0° Υ 48'14	-2°40'13	min. Earth dist.	-12055 May 31 j 14:28	16° \mathbb{H} 28'38	0.65513 AU
minimum elong	-12056 Jun 18 j 12:17	0° Υ 40'47	2°39'41	inferior conj	-12055 Jun 02 j 08:27	14° \mathbb{H} 21'52	-3°06'51
	-12056 Jun 19 j 00:59	30° \mathbb{R} \mathbb{H}		minimum elong	-12055 Jun 02 j 10:26	14° \mathbb{H} 15'54	3°06'46
morning rise	-12056 Jun 24 j 00:19	24° \mathbb{H} 52'06		morning rise	-12055 Jun 08 j 04:42	8° \mathbb{H} 39'42	
direct	-12056 Jun 27 j 10:48	23° \mathbb{H} 43'36		direct	-12055 Jun 11 j 07:48	7° \mathbb{H} 44'35	
asc. node	-12056 Jun 28 j 10:51	23° \mathbb{H} 49'12		asc. node	-12055 Jun 15 j 07:38	9° \mathbb{H} 08'49	
morning max el	-12056 Jul 04 j 16:08	27° \mathbb{H} 52'50	19°28'47	morning max el	-12055 Jun 18 j 00:52	11° \mathbb{H} 28'12	18°42'34
	-12056 Jul 06 j 14:01	0° Υ			-12055 Jul 01 j 02:48	0° Υ	
	-12056 Jul 26 j 21:17	0° \mathbb{B}		morning set	-12055 Jul 08 j 17:10	12° Υ 18'23	
morning set	-12056 Jul 28 j 15:40	2° \mathbb{B} 46'17			-12055 Jul 19 j 17:27	0° \mathbb{B}	
max. Earth dist.	-12056 Aug 11 j 09:13	24° \mathbb{B} 24'41	1.44362 AU				
				superior conj	-12055 Jul 24 j 01:54	6° \mathbb{B} 54'35	0°52'14
superior conj	-12056 Aug 14 j 01:31	28° \mathbb{B} 40'29	0°07'40	minimum elong	-12055 Jul 24 j 07:40	7° \mathbb{B} 17'22	0°51'59
minimum elong	-12056 Aug 14 j 02:29	28° \mathbb{B} 44'22	0°08'08	max. Earth dist.	-12055 Jul 25 j 01:47	8° \mathbb{B} 29'07	1.44572 AU
behind sun begin	-12056 Aug 13 j 16:43	28° \mathbb{B} 05'23		desc. node	-12055 Aug 02 j 05:43	21° \mathbb{B} 23'47	
behind sun end	-12056 Aug 14 j 12:15	29° \mathbb{B} 23'22			-12055 Aug 07 j 15:57	0° \mathbb{I}	
	-12056 Aug 14 j 21:26	0° \mathbb{I}		evening rise	-12055 Aug 09 j 09:43	2° \mathbb{I} 45'53	
desc. node	-12056 Aug 15 j 08:21	0° \mathbb{I} 43'40			-12055 Aug 27 j 03:08	0° \mathbb{B}	
evening rise	-12056 Aug 28 j 19:51	22° \mathbb{I} 41'04		evening max el	-12055 Aug 31 j 12:03	5° \mathbb{B} 15'53	19°05'35
	-12056 Sep 02 j 05:46	0° \mathbb{B}		retrograde	-12055 Sep 07 j 10:51	9° \mathbb{B} 12'37	
evening max el	-12056 Sep 17 j 00:47	21° \mathbb{B} 46'02	18°29'04	evening set	-12055 Sep 10 j 14:33	8° \mathbb{B} 15'27	
retrograde	-12056 Sep 23 j 16:19	25° \mathbb{B} 26'23		asc. node	-12055 Sep 11 j 08:17	7° \mathbb{B} 45'53	
asc. node	-12056 Sep 24 j 11:13	25° \mathbb{B} 22'58		inferior conj	-12055 Sep 16 j 09:19	2° \mathbb{B} 26'08	1°33'02
evening set	-12056 Sep 26 j 12:37	24° \mathbb{B} 42'05		minimum elong	-12055 Sep 16 j 07:11	2° \mathbb{B} 32'46	1°32'56
inferior conj	-12056 Oct 02 j 15:33	19° \mathbb{B} 06'18	2°24'21	min. Earth dist.	-12055 Sep 17 j 20:15	0° \mathbb{B} 37'22	0.65496 AU
minimum elong	-12056 Oct 02 j 12:21	19° \mathbb{B} 15'30	2°23'59		-12055 Sep 18 j 08:30	30° \mathbb{R} \mathbb{I}	
min. Earth dist.	-12056 Oct 04 j 14:54	16° \mathbb{B} 50'09	0.64332 AU	morning rise	-12055 Sep 21 j 23:23	26° \mathbb{I} 11'19	
morning rise	-12056 Oct 08 j 11:27	13° \mathbb{B} 00'39		direct	-12055 Sep 28 j 06:31	23° \mathbb{I} 32'27	
direct	-12056 Oct 15 j 05:58	10° \mathbb{B} 17'02			-12055 Oct 10 j 01:22	0° \mathbb{B}	
morning max el	-12056 Oct 28 j 14:06	17° \mathbb{B} 48'30	27°13'39	morning max el	-12055 Oct 11 j 00:35	0° \mathbb{B} 56'15	26°25'06
	-12056 Nov 07 j 23:37	0° \mathbb{Q}		desc. node	-12055 Oct 29 j 04:50	24° \mathbb{B} 10'21	
desc. node	-12056 Nov 11 j 08:06	4° \mathbb{Q} 38'02			-12055 Nov 01 j 23:48	0° \mathbb{Q}	
	-12056 Nov 27 j 00:34	0° \mathbb{P}		morning set	-12055 Nov 15 j 21:40	23° \mathbb{Q} 57'40	
morning set	-12056 Dec 02 j 16:06	10° \mathbb{P} 37'19			-12055 Nov 19 j 01:33	0° \mathbb{P}	
max. Earth dist.	-12056 Dec 07 j 13:01	20° \mathbb{P} 24'33	1.34136 AU	max. Earth dist.	-12055 Nov 20 j 03:34	2° \mathbb{P} 07'16	1.35388 AU
superior conj	-12056 Dec 10 j 16:45	27° \mathbb{P} 00'02	-1°23'20	superior conj	-12055 Nov 24 j 17:24	11° \mathbb{P} 19'39	-1°33'37
minimum elong	-12056 Dec 10 j 18:40	27° \mathbb{P} 10'12	1°23'04	minimum elong	-12055 Nov 24 j 18:41	11° \mathbb{P} 26'15	1°33'18
	-12056 Dec 12 j 02:43	0° \mathbb{A}		evening rise	-12055 Dec 02 j 07:30	27° \mathbb{P} 03'45	
evening rise	-12056 Dec 17 j 22:52	12° \mathbb{A} 22'39			-12055 Dec 03 j 17:59	0° \mathbb{A}	
asc. node	-12056 Dec 21 j 09:07	19° \mathbb{A} 22'25		asc. node	-12055 Dec 08 j 06:28	8° \mathbb{A} 49'41	
	-12056 Dec 27 j 02:22	0° \mathbb{M}		evening max el	-12055 Dec 21 j 11:10	27° \mathbb{A} 43'32	20°46'19
evening max el	-12055 Jan 08 j 09:06	16° \mathbb{M} 25'49	22°11'48		-12055 Dec 24 j 05:37	0° \mathbb{M}	
retrograde	-12055 Jan 20 j 20:54	22° \mathbb{M} 23'29		retrograde	-12054 Jan 01 j 11:48	2° \mathbb{M} 54'05	
evening set	-12055 Jan 24 j 00:56	22° \mathbb{M} 01'18		evening set	-12054 Jan 04 j 05:06	2° \mathbb{M} 36'25	
min. Earth dist.	-12055 Feb 01 j 17:50	18° \mathbb{M} 07'17	0.55480 AU		-12054 Jan 10 j 15:07	30° \mathbb{R} \mathbb{A}	
inferior conj	-12055 Feb 02 j 02:56	17° \mathbb{M} 54'17	1°20'44	inferior conj	-12054 Jan 13 j 00:47	28° \mathbb{A} 37'22	2°54'58
minimum elong	-12055 Feb 02 j 06:18	17° \mathbb{M} 49'27	1°19'11	minimum elong	-12054 Jan 13 j 06:34	28° \mathbb{A} 28'53	2°53'14
desc. node	-12055 Feb 07 j 09:58	15° \mathbb{M} 07'44		min. Earth dist.	-12054 Jan 14 j 07:40	27° \mathbb{A} 52'10	0.55684 AU
morning rise	-12055 Feb 11 j 12:21	13° \mathbb{M} 49'40		morning rise	-12054 Jan 22 j 06:42	24° \mathbb{A} 17'33	
direct	-12055 Feb 13 j 23:08	13° \mathbb{M} 35'55		desc. node	-12054 Jan 25 j 06:42	23° \mathbb{A} 53'27	
morning max el	-12055 Feb 25 j 20:36	19° \mathbb{M} 17'49	21°15'59	direct	-12054 Jan 25 j 14:30	23° \mathbb{A} 53'13	
	-12055 Mar 06 j 08:49	0° \mathbb{J}			-12054 Feb 07 j 09:54	0° \mathbb{M}	
morning set	-12055 Mar 17 j 16:27	20° \mathbb{J} 54'22		morning max el	-12054 Feb 07 j 19:01	0° \mathbb{M} 21'28	22°47'17
asc. node	-12055 Mar 19 j 07:10	24° \mathbb{J} 14'37			-12054 Feb 27 j 06:45	0° \mathbb{J}	
	-12055 Mar 22 j 01:21	0° \mathbb{Z}		morning set	-12054 Mar 02 j 03:28	5° \mathbb{J} 51'47	
				asc. node	-12054 Mar 06 j 04:16	14° \mathbb{J} 23'45	
superior conj	-12055 Mar 25 j 04:48	6° \mathbb{Z} 32'12	0°52'40	superior conj	-12054 Mar 09 j 08:11	21° \mathbb{J} 07'47	0°29'26
minimum elong	-12055 Mar 25 j 02:36	6° \mathbb{Z} 20'47	0°51'36	minimum elong	-12054 Mar 09 j 06:56	21° \mathbb{J} 01'11	0°28'31
max. Earth dist.	-12055 Mar 29 j 02:12	14° \mathbb{Z} 26'54	1.35236 AU	max. Earth dist.	-12054 Mar 11 j 23:53	26° \mathbb{J} 42'27	1.34116 AU
evening rise	-12055 Apr 02 j 16:36	23° \mathbb{Z} 24'41			-12054 Mar 13 j 14:09	0° \mathbb{Z}	
	-12055 Apr 06 j 05:47	0° \mathbb{A}					
	-12055 Apr 24 j 21:52	0° \mathbb{H}		evening rise	-12054 Mar 17 j 05:14	7° \mathbb{Z} 17'12	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12054 Mar 29 j 19:41	0°♊		max. Earth dist.	-12053 Feb 23 j 06:14	9°♊23'46	1.33347 AU
evening max el	-12054 Apr 20 j 10:53	29°♊01'23	27°19'56	evening rise	-12053 Mar 01 j 03:15	21°♊39'43	
	-12054 Apr 21 j 11:28	0°♋			-12053 Mar 05 j 09:17	0°♋	
desc. node	-12054 Apr 23 j 06:27	1°♋35'03			-12053 Mar 23 j 19:03	0°♋	
retrograde	-12054 May 04 j 00:32	6°♋36'23		evening max el	-12053 Apr 02 j 20:00	11°♋46'45	27°25'44
evening set	-12054 May 10 j 22:18	3°♋54'39		desc. node	-12053 Apr 10 j 03:41	17°♋26'17	
min. Earth dist.	-12054 May 14 j 15:16	0°♋23'56	0.64165 AU	retrograde	-12053 Apr 16 j 17:34	19°♋20'35	
	-12054 May 15 j 00:07	30°♋		evening set	-12053 Apr 23 j 14:37	16°♋57'31	
inferior conj	-12054 May 16 j 23:51	27°♋47'49	-3°23'07	min. Earth dist.	-12053 Apr 27 j 07:13	13°♋52'47	0.62461 AU
minimum elong	-12054 May 17 j 00:55	27°♋44'50	3°23'27	inferior conj	-12053 Apr 30 j 05:14	11°♋00'16	-3°25'30
morning rise	-12054 May 23 j 04:14	22°♋21'51		minimum elong	-12053 Apr 30 j 04:49	11°♋01'16	3°26'01
direct	-12054 May 26 j 01:30	21°♋38'11		morning rise	-12053 May 06 j 20:22	5°♋52'24	
morning max el	-12054 Jun 01 j 13:20	25°♋05'56	18°13'24	direct	-12053 May 09 j 12:52	5°♋18'32	
asc. node	-12054 Jun 02 j 04:25	25°♋45'02		morning max el	-12053 May 16 j 03:12	8°♋40'57	18°02'21
	-12054 Jun 05 j 14:46	0°♌		asc. node	-12053 May 20 j 01:11	13°♋22'09	
morning set	-12054 Jun 19 j 19:55	23°♌00'24			-12053 May 30 j 04:48	0°♌	
	-12054 Jun 23 j 23:26	0°♍		morning set	-12053 Jun 01 j 22:10	4°♌49'38	
superior conj	-12054 Jul 03 j 09:22	15°♍30'54	1°26'52	superior conj	-12053 Jun 13 j 16:17	25°♌16'12	1°45'26
minimum elong	-12054 Jul 03 j 15:28	15°♍55'37	1°26'33	minimum elong	-12053 Jun 13 j 19:00	25°♌27'42	1°45'16
max. Earth dist.	-12054 Jul 07 j 17:03	22°♍27'36	1.44084 AU		-12053 Jun 16 j 12:03	0°♍	
	-12054 Jul 12 j 11:10	0°♎		max. Earth dist.	-12053 Jun 20 j 04:46	6°♍04'51	1.42967 AU
evening rise	-12054 Jul 19 j 21:42	11°♎38'32		evening rise	-12053 Jun 28 j 21:49	19°♍58'25	
desc. node	-12054 Jul 20 j 03:07	11°♎59'36			-12053 Jul 05 j 09:42	0°♎	
	-12054 Jul 31 j 20:33	0°♏		desc. node	-12053 Jul 07 j 00:35	2°♎27'38	
greatest brilliancy	-12054 Aug 01 j 13:36	1°♏04'01	-0.7m		-12053 Jul 26 j 18:07	0°♏	
evening max el	-12054 Aug 14 j 18:32	18°♏45'01	19°58'01	evening max el	-12053 Jul 28 j 18:32	2°♏11'05	21°04'22
retrograde	-12054 Aug 22 j 07:21	23°♏06'47		retrograde	-12053 Aug 06 j 03:46	7°♏06'38	
evening set	-12054 Aug 25 j 20:47	21°♏53'22		evening set	-12053 Aug 10 j 05:05	5°♏33'53	
asc. node	-12054 Aug 29 j 05:17	18°♏38'54			-12053 Aug 15 j 03:13	30°♏	
inferior conj	-12054 Aug 31 j 09:11	15°♏53'38	0°40'45	inferior conj	-12053 Aug 15 j 13:03	29°♏26'29	-0°10'20
minimum elong	-12054 Aug 31 j 08:15	15°♏56'43	0°41'03	minimum elong	-12053 Aug 15 j 13:15	29°♏25'46	0°09'39
min. Earth dist.	-12054 Sep 01 j 08:37	14°♏36'25	0.66365 AU	transit middle	-12053 Aug 15 j 13:15	29°♏25'46	0°09'39
morning rise	-12054 Sep 05 j 19:27	9°♏33'42		transit begin	-12053 Aug 15 j 11:03	29°♏33'17	
direct	-12054 Sep 11 j 12:55	7°♏07'14		transit end	-12053 Aug 15 j 15:27	29°♏18'16	
morning max el	-12054 Sep 23 j 10:25	14°♏10'21	25°15'53	min. Earth dist.	-12053 Aug 16 j 01:39	28°♏43'26	0.66941 AU
	-12054 Oct 06 j 10:08	0°♐		asc. node	-12053 Aug 16 j 02:12	28°♏41'34	
desc. node	-12054 Oct 16 j 01:37	14°♐08'12		morning rise	-12053 Aug 20 j 21:16	23°♐05'29	
	-12054 Oct 25 j 18:54	0°♑		direct	-12053 Aug 26 j 00:31	20°♐55'50	
morning set	-12054 Oct 29 j 10:18	6°♑23'00		morning max el	-12053 Sep 05 j 20:16	27°♐25'33	23°55'01
max. Earth dist.	-12054 Nov 02 j 07:41	13°♑29'13	1.37046 AU		-12053 Sep 08 j 06:00	0°♑	
					-12053 Sep 30 j 02:47	0°♑	
superior conj	-12054 Nov 08 j 09:12	25°♑07'50	-1°37'59	desc. node	-12053 Oct 02 j 22:30	4°♑24'22	
minimum elong	-12054 Nov 08 j 09:16	25°♑08'11	1°37'34	morning set	-12053 Oct 11 j 00:43	17°♑39'45	
	-12054 Nov 10 j 19:54	0°♒		max. Earth dist.	-12053 Oct 15 j 06:34	25°♑00'46	1.38983 AU
evening rise	-12054 Nov 16 j 12:00	11°♒26'52			-12053 Oct 18 j 01:28	0°♒	
asc. node	-12054 Nov 25 j 03:49	27°♒47'19					
	-12054 Nov 26 j 12:13	0°♓		superior conj	-12053 Oct 22 j 12:19	8°♓13'50	-1°34'33
evening max el	-12054 Dec 03 j 23:12	9°♓34'13	19°36'47	minimum elong	-12053 Oct 22 j 10:40	8°♓06'01	1°33'55
retrograde	-12054 Dec 13 j 10:21	14°♓02'09		evening rise	-12053 Oct 31 j 10:08	25°♓26'26	
evening set	-12054 Dec 15 j 23:37	13°♓44'09			-12053 Nov 02 j 18:37	0°♓	
inferior conj	-12054 Dec 24 j 08:00	9°♓37'05	3°55'45	asc. node	-12053 Nov 12 j 01:08	16°♓05'32	
minimum elong	-12054 Dec 24 j 12:00	9°♓30'36	3°55'07	evening max el	-12053 Nov 16 j 21:12	21°♓57'44	18°46'40
min. Earth dist.	-12054 Dec 26 j 21:06	7°♓58'46	0.56692 AU	retrograde	-12053 Nov 25 j 01:23	25°♓55'12	
morning rise	-12053 Jan 01 j 22:15	4°♓53'59		evening set	-12053 Nov 27 j 13:07	25°♓34'39	
direct	-12053 Jan 06 j 14:03	4°♓04'56		inferior conj	-12053 Dec 05 j 08:41	21°♓09'08	4°17'02
desc. node	-12053 Jan 12 j 03:22	5°♓15'44		minimum elong	-12053 Dec 05 j 08:57	21°♓08'40	4°17'10
morning max el	-12053 Jan 20 j 10:28	11°♓03'14	24°24'04	min. Earth dist.	-12053 Dec 08 j 12:00	18°♓50'23	0.58262 AU
	-12053 Feb 03 j 16:36	0°♔		morning rise	-12053 Dec 13 j 02:53	16°♓03'02	
morning set	-12053 Feb 14 j 15:53	20°♔55'41		direct	-12053 Dec 19 j 00:55	14°♓38'12	
	-12053 Feb 18 j 21:46	0°♕		desc. node	-12053 Dec 29 j 23:59	19°♓10'28	
asc. node	-12053 Feb 21 j 01:25	4°♕39'22		morning max el	-12052 Jan 02 j 01:45	21°♓51'14	25°52'25
					-12052 Jan 09 j 06:12	0°♕	
superior conj	-12053 Feb 21 j 16:16	5°♕59'31	0°05'53		-12052 Jan 27 j 05:57	0°♔	
minimum elong	-12053 Feb 21 j 16:02	5°♕58'18	0°05'12	morning set	-12052 Jan 30 j 03:57	5°♔59'44	
behind sun begin	-12053 Feb 21 j 11:11	5°♕32'04					
behind sun end	-12053 Feb 21 j 20:54	6°♕24'31		superior conj	-12052 Feb 06 j 03:06	21°♔00'32	-0°17'09

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-12052 Feb 06 j 03:49	21° \mathbb{M} 04'26	0°17'34	superior conj	-12051 Jan 20 j 15:00	6° \mathbb{M} 04'52	-0°38'50
max. Earth dist.	-12052 Feb 06 j 18:05	22° \mathbb{M} 22'09	1.32907 AU	minimum elong	-12051 Jan 20 j 16:28	6° \mathbb{M} 12'52	0°38'58
asc. node	-12052 Feb 07 j 22:38	24° \mathbb{M} 57'22		max. Earth dist.	-12051 Jan 20 j 07:42	5° \mathbb{M} 25'00	1.32784 AU
	-12052 Feb 10 j 06:53	0° \mathbb{A}		asc. node	-12051 Jan 24 j 19:55	15° \mathbb{M} 13'42	
evening rise	-12052 Feb 13 j 07:42	6° \mathbb{A} 22'09		evening rise	-12051 Jan 27 j 16:17	21° \mathbb{M} 16'27	
	-12052 Feb 26 j 00:11	0° \mathbb{B}			-12051 Jan 31 j 23:45	0° \mathbb{A}	
evening max el	-12052 Mar 15 j 01:03	23° \mathbb{B} 58'35	26°58'38		-12051 Feb 19 j 21:19	0° \mathbb{B}	
	-12052 Mar 23 j 06:12	0° \mathbb{A}		evening max el	-12051 Feb 25 j 00:28	5° \mathbb{B} 33'03	26°00'29
desc. node	-12052 Mar 27 j 00:50	1° \mathbb{A} 14'52		retrograde	-12051 Mar 11 j 02:59	12° \mathbb{B} 49'55	
retrograde	-12052 Mar 29 j 02:49	1° \mathbb{A} 26'13		desc. node	-12051 Mar 13 j 21:52	12° \mathbb{B} 30'40	
	-12052 Apr 03 j 18:06	30° \mathbb{R} \mathbb{B}		evening set	-12051 Mar 16 j 18:56	11° \mathbb{B} 31'11	
evening set	-12052 Apr 04 j 14:08	29° \mathbb{B} 32'54		min. Earth dist.	-12051 Mar 21 j 13:43	8° \mathbb{B} 38'26	0.58560 AU
min. Earth dist.	-12052 Apr 08 j 14:11	26° \mathbb{B} 41'22	0.60524 AU	inferior conj	-12051 Mar 24 j 20:00	6° \mathbb{B} 12'21	-2°27'29
inferior conj	-12052 Apr 11 j 21:07	23° \mathbb{B} 51'06	-3°08'57	minimum elong	-12051 Mar 24 j 16:30	6° \mathbb{B} 18'56	2°27'26
minimum elong	-12052 Apr 11 j 18:54	23° \mathbb{B} 55'57	3°09'20	morning rise	-12051 Apr 01 j 17:11	1° \mathbb{B} 44'15	
morning rise	-12052 Apr 19 j 01:54	19° \mathbb{B} 03'01		direct	-12051 Apr 04 j 01:04	1° \mathbb{B} 25'55	
direct	-12052 Apr 21 j 14:09	18° \mathbb{B} 37'35		morning max el	-12051 Apr 12 j 00:36	5° \mathbb{B} 15'08	18°36'55
morning max el	-12052 Apr 28 j 15:52	22° \mathbb{B} 06'26	18°10'01	asc. node	-12051 Apr 22 j 18:53	20° \mathbb{B} 47'16	
	-12052 May 04 j 19:13	0° \mathbb{A}			-12051 Apr 27 j 16:51	0° \mathbb{A}	
asc. node	-12052 May 05 j 22:00	1° \mathbb{A} 46'21		morning set	-12051 Apr 28 j 06:35	1° \mathbb{A} 06'01	
morning set	-12052 May 14 j 19:15	17° \mathbb{A} 34'59					
	-12052 May 21 j 13:05	0° \mathbb{H}		superior conj	-12051 May 07 j 10:43	18° \mathbb{A} 37'02	1°40'54
superior conj	-12052 May 25 j 02:02	6° \mathbb{H} 21'12	1°48'51	minimum elong	-12051 May 07 j 08:09	18° \mathbb{A} 25'02	1°40'15
minimum elong	-12052 May 25 j 01:20	6° \mathbb{H} 18'08	1°48'31		-12051 May 13 j 17:07	0° \mathbb{H}	
max. Earth dist.	-12052 Jun 01 j 11:06	19° \mathbb{H} 06'03	1.41375 AU	max. Earth dist.	-12051 May 14 j 12:24	1° \mathbb{H} 24'54	1.39530 AU
evening rise	-12052 Jun 07 j 08:49	28° \mathbb{H} 49'34		evening rise	-12051 May 18 j 21:28	8° \mathbb{H} 57'02	
	-12052 Jun 08 j 02:19	0° \mathbb{Y}			-12051 Jun 01 j 01:50	0° \mathbb{Y}	
desc. node	-12052 Jun 22 j 22:06	22° \mathbb{Y} 42'58		desc. node	-12051 Jun 09 j 19:36	12° \mathbb{Y} 39'58	
	-12052 Jun 28 j 00:30	0° \mathbb{B}		evening max el	-12051 Jun 22 j 23:22	28° \mathbb{Y} 51'42	23°43'32
evening max el	-12052 Jul 10 j 11:36	15° \mathbb{B} 32'28	22°21'19		-12051 Jun 24 j 03:23	0° \mathbb{B}	
retrograde	-12052 Jul 19 j 22:32	21° \mathbb{B} 08'48		retrograde	-12051 Jul 03 j 14:32	5° \mathbb{B} 10'27	
evening set	-12052 Jul 24 j 13:27	19° \mathbb{B} 14'47		evening set	-12051 Jul 08 j 20:00	2° \mathbb{B} 55'24	
inferior conj	-12052 Jul 29 j 18:59	13° \mathbb{B} 02'12	-0°58'34		-12051 Jul 11 j 13:12	30° \mathbb{R} \mathbb{Y}	
minimum elong	-12052 Jul 29 j 20:09	12° \mathbb{B} 58'09	0°57'40	min. Earth dist.	-12051 Jul 13 j 16:22	27° \mathbb{Y} 10'27	0.67188 AU
min. Earth dist.	-12052 Jul 29 j 21:00	12° \mathbb{B} 55'12	0.67218 AU	inferior conj	-12051 Jul 14 j 01:15	26° \mathbb{Y} 39'58	-1°42'37
asc. node	-12052 Aug 01 j 23:04	8° \mathbb{B} 53'15		minimum elong	-12051 Jul 14 j 03:08	26° \mathbb{Y} 33'29	1°41'42
morning rise	-12052 Aug 04 j 02:46	6° \mathbb{B} 43'51		morning rise	-12051 Jul 19 j 10:14	20° \mathbb{Y} 27'40	
direct	-12052 Aug 08 j 16:25	4° \mathbb{B} 52'40		asc. node	-12051 Jul 19 j 19:55	20° \mathbb{Y} 09'54	
morning max el	-12052 Aug 18 j 08:27	10° \mathbb{B} 41'30	22°31'09	direct	-12051 Jul 23 j 11:46	18° \mathbb{Y} 54'26	
	-12052 Sep 02 j 10:04	0° \mathbb{I}		morning max el	-12051 Aug 01 j 01:33	24° \mathbb{Y} 01'16	21°11'43
desc. node	-12052 Sep 18 j 19:30	24° \mathbb{I} 52'47			-12051 Aug 06 j 04:10	0° \mathbb{B}	
morning set	-12052 Sep 20 j 13:01	27° \mathbb{I} 39'50			-12051 Aug 26 j 20:15	0° \mathbb{I}	
	-12052 Sep 21 j 23:29	0° \mathbb{E}		morning set	-12051 Aug 31 j 01:47	6° \mathbb{I} 34'18	
max. Earth dist.	-12052 Sep 26 j 07:17	7° \mathbb{E} 11'00	1.40949 AU	desc. node	-12051 Sep 05 j 16:37	15° \mathbb{I} 29'07	
				max. Earth dist.	-12051 Sep 08 j 13:27	20° \mathbb{I} 07'46	1.42669 AU
					-12051 Sep 14 j 12:12	0° \mathbb{E}	
superior conj	-12052 Oct 03 j 21:44	20° \mathbb{E} 23'37	-1°21'07				
minimum elong	-12052 Oct 03 j 18:16	20° \mathbb{E} 08'05	1°20'09	superior conj	-12051 Sep 15 j 07:38	1° \mathbb{E} 22'11	-0°55'37
	-12052 Oct 09 j 04:19	0° \mathbb{Q}		minimum elong	-12051 Sep 15 j 03:29	1° \mathbb{E} 04'36	0°54'27
evening rise	-12052 Oct 13 j 22:59	8° \mathbb{Q} 55'05		evening rise	-12051 Sep 26 j 22:42	21° \mathbb{E} 43'34	
	-12052 Oct 26 j 03:34	0° \mathbb{M}			-12051 Oct 01 j 14:07	0° \mathbb{Q}	
asc. node	-12052 Oct 28 j 22:25	3° \mathbb{M} 32'14		evening max el	-12051 Oct 13 j 14:35	17° \mathbb{Q} 58'33	18°06'58
evening max el	-12052 Oct 30 j 03:14	4° \mathbb{M} 48'15	18°16'53	asc. node	-12051 Oct 15 j 19:41	19° \mathbb{Q} 52'40	
retrograde	-12052 Nov 06 j 10:13	8° \mathbb{M} 28'04		retrograde	-12051 Oct 20 j 09:27	21° \mathbb{Q} 31'23	
evening set	-12052 Nov 08 j 21:41	8° \mathbb{M} 03'38		evening set	-12051 Oct 22 j 22:33	21° \mathbb{Q} 01'19	
inferior conj	-12052 Nov 16 j 04:37	3° \mathbb{M} 16'30	4°06'42	inferior conj	-12051 Oct 29 j 17:39	15° \mathbb{Q} 53'30	3°35'37
minimum elong	-12052 Nov 16 j 02:01	3° \mathbb{M} 22'05	4°06'47	minimum elong	-12051 Oct 29 j 13:53	16° \mathbb{Q} 02'42	3°35'21
min. Earth dist.	-12052 Nov 19 j 08:05	0° \mathbb{M} 35'54	0.60082 AU	min. Earth dist.	-12051 Nov 01 j 12:43	13° \mathbb{Q} 10'37	0.61894 AU
	-12052 Nov 20 j 01:58	30° \mathbb{R} \mathbb{Q}		morning rise	-12051 Nov 05 j 04:02	10° \mathbb{Q} 09'08	
morning rise	-12052 Nov 23 j 04:50	27° \mathbb{Q} 49'48		direct	-12051 Nov 12 j 05:14	7° \mathbb{Q} 40'51	
direct	-12052 Nov 29 j 22:25	25° \mathbb{Q} 48'46		morning max el	-12051 Nov 26 j 01:43	15° \mathbb{Q} 09'52	27°30'51
	-12052 Dec 10 j 05:57	0° \mathbb{M}		desc. node	-12051 Dec 02 j 17:14	22° \mathbb{Q} 31'31	
morning max el	-12052 Dec 13 j 22:29	3° \mathbb{M} 10'39	26°57'50		-12051 Dec 08 j 07:38	0° \mathbb{M}	
desc. node	-12052 Dec 15 j 20:37	5° \mathbb{M} 06'36			-12051 Dec 25 j 23:41	0° \mathbb{E}	
	-12051 Jan 02 j 14:13	0° \mathbb{E}		morning set	-12051 Dec 28 j 19:33	5° \mathbb{E} 39'57	
morning set	-12051 Jan 13 j 13:53	20° \mathbb{E} 57'19		max. Earth dist.	-12050 Jan 03 j 19:10	18° \mathbb{E} 17'14	1.33005 AU
	-12051 Jan 17 j 19:59	0° \mathbb{M}					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-12050 Jan 05 j 02:13	21°♌05'28	-0°58'30	superior conj	-12050 Dec 20 j 11:03	5°♊56'11	-1°15'18
minimum elong	-12050 Jan 05 j 04:10	21°♌16'00	0°58'25	minimum elong	-12050 Dec 20 j 13:06	6°♊07'11	1°15'06
	-12050 Jan 09 j 04:43	0°♌		evening rise	-12050 Dec 27 j 14:17	21°♌11'06	
asc. node	-12050 Jan 11 j 17:16	5°♌23'20		asc. node	-12050 Dec 29 j 14:37	25°♌21'16	
evening rise	-12050 Jan 12 j 03:01	6°♌14'43			-12050 Dec 31 j 22:21	0°♌	
	-12050 Jan 24 j 20:05	0°♌		evening max el	-12049 Jan 19 j 12:25	27°♌28'07	23°05'26
evening max el	-12050 Feb 06 j 18:58	16°♌36'25	24°38'44		-12049 Jan 22 j 12:37	0°♌	
retrograde	-12050 Feb 20 j 16:00	23°♌33'11		retrograde	-12049 Feb 01 j 16:19	3°♌50'20	
evening set	-12050 Feb 25 j 06:15	22°♌45'14		evening set	-12049 Feb 05 j 06:24	3°♌22'15	
desc. node	-12050 Feb 28 j 18:49	21°♌10'06			-12049 Feb 12 j 17:24	30°♌	
min. Earth dist.	-12050 Mar 03 j 08:30	19°♌38'14	0.56865 AU	min. Earth dist.	-12049 Feb 13 j 00:36	29°♌49'30	0.55761 AU
inferior conj	-12050 Mar 05 j 23:15	17°♌56'08	-1°16'32	inferior conj	-12049 Feb 14 j 08:07	29°♌03'09	0°20'11
minimum elong	-12050 Mar 05 j 20:32	18°♌00'35	1°16'25	minimum elong	-12049 Feb 14 j 08:56	29°♌01'56	0°19'20
morning rise	-12050 Mar 14 j 14:00	13°♌44'45		desc. node	-12049 Feb 15 j 15:41	28°♌17'04	
direct	-12050 Mar 16 j 18:08	13°♌31'25		morning rise	-12049 Feb 23 j 13:13	24°♌59'35	
morning max el	-12050 Mar 26 j 02:13	17°♌56'18	19°23'29	direct	-12049 Feb 25 j 18:34	24°♌47'32	
	-12050 Apr 04 j 01:26	0°♌		morning max el	-12049 Mar 08 j 17:52	0°♌00'30	20°29'37
asc. node	-12050 Apr 09 j 15:51	10°♌15'26			-12049 Mar 08 j 17:39	0°♌	
morning set	-12050 Apr 12 j 04:11	15°♌11'54		morning set	-12049 Mar 27 j 08:55	29°♌43'55	
	-12050 Apr 19 j 14:45	0°♌		asc. node	-12049 Mar 27 j 12:51	0°♌03'54	
					-12049 Mar 27 j 12:05	0°♌	
superior conj	-12050 Apr 20 j 12:46	1°♌47'39	1°25'26	superior conj	-12049 Apr 04 j 03:23	15°♌39'29	1°05'25
minimum elong	-12050 Apr 20 j 09:42	1°♌32'43	1°24'30	minimum elong	-12049 Apr 04 j 00:43	15°♌25'58	1°04'21
max. Earth dist.	-12050 Apr 26 j 12:44	13°♌11'26	1.37684 AU	max. Earth dist.	-12049 Apr 08 j 18:57	24°♌53'48	1.36045 AU
evening rise	-12050 Apr 30 j 12:58	20°♌26'33			-12049 Apr 11 j 10:51	0°♌	
	-12050 May 06 j 02:13	0°♌		evening rise	-12049 Apr 13 j 02:19	3°♌04'35	
	-12050 May 26 j 01:00	0°♌			-12049 Apr 29 j 01:24	0°♌	
desc. node	-12050 May 27 j 17:05	2°♌10'40		desc. node	-12049 May 14 j 14:31	21°♌04'11	
evening max el	-12050 Jun 05 j 08:58	12°♌12'12	25°03'40	evening max el	-12049 May 18 j 19:02	25°♌34'10	26°12'59
retrograde	-12050 Jun 17 j 02:47	19°♌07'07			-12049 May 23 j 23:11	0°♌	
evening set	-12050 Jun 22 j 22:46	16°♌34'12		retrograde	-12049 May 31 j 10:24	2°♌53'07	
min. Earth dist.	-12050 Jun 27 j 09:25	11°♌26'55	0.66824 AU	evening set	-12049 Jun 06 j 19:28	0°♌08'46	
inferior conj	-12050 Jun 28 j 06:04	10°♌18'12	-2°21'09		-12049 Jun 06 j 23:27	30°♌	
minimum elong	-12050 Jun 28 j 08:20	10°♌10'39	2°20'26	min. Earth dist.	-12049 Jun 10 j 21:44	25°♌40'47	0.66102 AU
morning rise	-12050 Jul 03 j 17:55	4°♌15'09		inferior conj	-12049 Jun 12 j 07:28	23°♌54'30	-2°52'40
asc. node	-12050 Jul 06 j 16:44	3°♌00'56		minimum elong	-12049 Jun 12 j 09:42	23°♌47'29	2°52'20
direct	-12050 Jul 07 j 09:16	2°♌58'14		morning rise	-12049 Jun 18 j 00:02	18°♌03'43	
morning max el	-12050 Jul 15 j 00:54	7°♌26'51	20°02'25	direct	-12049 Jun 21 j 07:09	17°♌01'06	
	-12050 Jul 31 j 10:35	0°♌		asc. node	-12049 Jun 23 j 13:30	17°♌29'11	
morning set	-12050 Aug 10 j 04:47	15°♌03'12		morning max el	-12049 Jun 28 j 06:28	20°♌58'34	19°07'03
	-12050 Aug 19 j 17:11	0°♌			-12049 Jul 05 j 07:55	0°♌	
max. Earth dist.	-12050 Aug 22 j 01:05	3°♌42'32	1.43914 AU	morning set	-12049 Jul 20 j 17:53	24°♌00'47	
desc. node	-12050 Aug 23 j 13:50	6°♌09'43			-12049 Jul 24 j 12:26	0°♌	
				max. Earth dist.	-12049 Aug 04 j 16:44	17°♌41'23	1.44534 AU
superior conj	-12050 Aug 26 j 13:59	11°♌00'46	-0°17'58	superior conj	-12049 Aug 05 j 20:42	19°♌32'07	0°27'05
minimum elong	-12050 Aug 26 j 12:08	10°♌53'15	0°17'04	minimum elong	-12049 Aug 05 j 23:59	19°♌45'07	0°27'12
	-12050 Sep 07 j 00:35	0°♌		desc. node	-12049 Aug 10 j 11:08	26°♌50'48	
evening rise	-12050 Sep 09 j 04:13	3°♌39'23			-12049 Aug 12 j 10:33	0°♌	
	-12050 Sep 25 j 22:16	0°♌		evening rise	-12049 Aug 21 j 09:43	14°♌27'21	
evening max el	-12050 Sep 27 j 04:17	1°♌21'43	18°15'55		-12049 Aug 31 j 00:18	0°♌	
asc. node	-12050 Oct 02 j 16:53	4°♌50'31		evening max el	-12049 Sep 10 j 17:17	14°♌50'35	18°42'40
retrograde	-12050 Oct 03 j 18:57	4°♌56'44		retrograde	-12049 Sep 17 j 10:58	18°♌36'30	
evening set	-12050 Oct 06 j 11:57	4°♌18'32		asc. node	-12049 Sep 19 j 14:00	18°♌11'02	
	-12050 Oct 11 j 19:16	30°♌		evening set	-12049 Sep 20 j 10:11	17°♌47'05	
inferior conj	-12050 Oct 12 j 20:23	28°♌52'23	2°52'25	inferior conj	-12049 Sep 26 j 09:26	12°♌05'26	2°02'51
minimum elong	-12050 Oct 12 j 16:45	29°♌02'17	2°51'59	minimum elong	-12049 Sep 26 j 06:40	12°♌13'43	2°02'35
min. Earth dist.	-12050 Oct 15 j 03:18	26°♌23'07	0.63520 AU	min. Earth dist.	-12049 Sep 28 j 03:28	10°♌00'14	0.64866 AU
morning rise	-12050 Oct 18 j 20:43	22°♌53'38		morning rise	-12049 Oct 02 j 02:36	5°♌55'40	
direct	-12050 Oct 25 j 19:51	20°♌11'31		direct	-12049 Oct 08 j 16:52	3°♌12'43	
morning max el	-12050 Nov 08 j 09:34	27°♌44'03	27°29'10	morning max el	-12049 Oct 21 j 19:28	10°♌41'52	26°56'00
	-12050 Nov 10 j 14:46	0°♌		desc. node	-12049 Nov 06 j 10:37	0°♌12'34	
desc. node	-12050 Nov 19 j 13:55	10°♌59'55			-12049 Nov 06 j 07:10	0°♌	
	-12050 Dec 01 j 22:38	0°♌			-12049 Nov 24 j 08:16	0°♌	
morning set	-12050 Dec 12 j 18:28	19°♌59'06		morning set	-12049 Nov 26 j 07:26	3°♌43'44	
	-12050 Dec 17 j 15:52	0°♌		max. Earth dist.	-12049 Nov 30 j 21:22	12°♌46'12	1.34619 AU
max. Earth dist.	-12050 Dec 18 j 00:48	0°♌46'59	1.33606 AU				

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-12049 Dec 04 j 15:21	20° \mathbb{M} 29'12	-1°28'19	superior conj	-12048 Nov 17 j 12:36	4° \mathbb{M} 36'21	-1°36'18
minimum elong	-12049 Dec 04 j 17:04	20° \mathbb{M} 38'12	1°28'02	minimum elong	-12048 Nov 17 j 13:27	4° \mathbb{M} 40'37	1°35'57
	-12049 Dec 09 j 03:48	0° \mathbb{L}		evening rise	-12048 Nov 25 j 07:26	20° \mathbb{M} 33'17	
evening rise	-12049 Dec 12 j 00:20	5° \mathbb{L} 59'10			-12048 Nov 30 j 01:44	0° \mathbb{L}	
asc. node	-12049 Dec 16 j 11:59	15° \mathbb{L} 01'31		asc. node	-12048 Dec 02 j 09:20	4° \mathbb{L} 17'14	
	-12049 Dec 25 j 06:37	0° \mathbb{M}		evening max el	-12048 Dec 13 j 16:01	20° \mathbb{L} 01'27	20°14'24
evening max el	-12048 Jan 01 j 10:00	8° \mathbb{M} 30'52	21°33'51	retrograde	-12048 Dec 24 j 00:09	24° \mathbb{L} 52'49	
retrograde	-12048 Jan 13 j 07:23	14° \mathbb{M} 07'50		evening set	-12048 Dec 26 j 15:25	24° \mathbb{L} 35'15	
evening set	-12048 Jan 16 j 05:56	13° \mathbb{M} 48'21		inferior conj	-12047 Jan 04 j 06:34	20° \mathbb{L} 34'10	3°25'42
inferior conj	-12048 Jan 25 j 06:14	9° \mathbb{M} 47'17	2°03'36	minimum elong	-12047 Jan 04 j 12:04	20° \mathbb{L} 25'50	3°24'22
minimum elong	-12048 Jan 25 j 11:07	9° \mathbb{M} 40'20	2°01'45	min. Earth dist.	-12047 Jan 06 j 03:54	19° \mathbb{L} 25'40	0.56029 AU
min. Earth dist.	-12048 Jan 25 j 14:47	9° \mathbb{M} 35'06	0.55468 AU	morning rise	-12047 Jan 13 j 07:01	16° \mathbb{L} 05'18	
desc. node	-12048 Feb 02 j 12:27	5° \mathbb{M} 54'22		direct	-12047 Jan 17 j 03:46	15° \mathbb{L} 32'22	
morning rise	-12048 Feb 03 j 15:55	5° \mathbb{M} 37'50		desc. node	-12047 Jan 19 j 09:10	15° \mathbb{L} 43'38	
direct	-12048 Feb 06 j 10:09	5° \mathbb{M} 20'48		morning max el	-12047 Jan 30 j 16:41	22° \mathbb{L} 14'47	23°28'37
morning max el	-12048 Feb 18 j 22:03	11° \mathbb{M} 23'47	21°53'22		-12047 Feb 06 j 10:09	0° \mathbb{M}	
	-12048 Mar 03 j 06:57	0° \mathbb{X}		morning set	-12047 Feb 23 j 06:06	29° \mathbb{M} 35'47	
morning set	-12048 Mar 10 j 18:16	14° \mathbb{X} 34'27			-12047 Feb 23 j 10:44	0° \mathbb{X}	
asc. node	-12048 Mar 13 j 09:54	20° \mathbb{X} 07'04		asc. node	-12047 Feb 28 j 07:00	10° \mathbb{X} 19'36	
superior conj	-12048 Mar 18 j 02:56	0° \mathbb{Z} 01'47	0°42'55	superior conj	-12047 Mar 02 j 08:33	14° \mathbb{X} 45'12	0°19'26
minimum elong	-12048 Mar 18 j 01:07	29° \mathbb{X} 52'16	0°41'54	minimum elong	-12047 Mar 02 j 07:45	14° \mathbb{X} 40'53	0°18'35
	-12048 Mar 18 j 02:36	0° \mathbb{Z}		max. Earth dist.	-12047 Mar 04 j 13:06	19° \mathbb{X} 24'19	1.33748 AU
max. Earth dist.	-12048 Mar 21 j 11:12	6° \mathbb{Z} 56'02	1.34723 AU		-12047 Mar 09 j 16:38	0° \mathbb{Z}	
evening rise	-12048 Mar 26 j 07:50	16° \mathbb{Z} 34'23		evening rise	-12047 Mar 10 j 00:51	0° \mathbb{Z} 40'57	
	-12048 Apr 02 j 15:04	0° \mathbb{X}			-12047 Mar 26 j 15:22	0° \mathbb{X}	
	-12048 Apr 22 j 10:23	0° \mathbb{X}		evening max el	-12047 Apr 12 j 16:12	21° \mathbb{X} 50'41	27°26'14
evening max el	-12048 Apr 30 j 05:59	8° \mathbb{X} 51'06	27°02'55	desc. node	-12047 Apr 17 j 09:10	25° \mathbb{X} 52'19	
desc. node	-12048 Apr 30 j 11:52	9° \mathbb{X} 05'29		retrograde	-12047 Apr 26 j 09:21	29° \mathbb{X} 25'33	
retrograde	-12048 May 13 j 12:46	16° \mathbb{X} 22'15		evening set	-12047 May 03 j 08:03	26° \mathbb{X} 49'59	
evening set	-12048 May 20 j 07:35	13° \mathbb{X} 36'07		min. Earth dist.	-12047 May 07 j 00:05	23° \mathbb{X} 31'59	0.63483 AU
min. Earth dist.	-12048 May 24 j 03:12	9° \mathbb{X} 46'04	0.64988 AU	inferior conj	-12047 May 09 j 14:45	20° \mathbb{X} 46'56	-3°26'06
inferior conj	-12048 May 26 j 03:16	7° \mathbb{X} 26'01	-3°15'15	minimum elong	-12047 May 09 j 15:16	20° \mathbb{X} 45'36	3°26'33
minimum elong	-12048 May 26 j 04:56	7° \mathbb{X} 21'09	3°15'21	morning rise	-12047 May 15 j 23:24	15° \mathbb{X} 28'40	
morning rise	-12048 Jun 01 j 02:39	1° \mathbb{X} 50'18		direct	-12047 May 18 j 18:38	14° \mathbb{X} 49'16	
direct	-12048 Jun 04 j 03:13	1° \mathbb{X} 00'06		morning max el	-12047 May 25 j 06:23	18° \mathbb{X} 13'00	18°06'30
asc. node	-12048 Jun 09 j 10:16	3° \mathbb{X} 23'39		asc. node	-12047 May 27 j 07:00	20° \mathbb{X} 27'37	
morning max el	-12048 Jun 10 j 17:00	4° \mathbb{X} 35'30	18°28'00		-12047 Jun 02 j 20:20	0° \mathbb{X}	
	-12048 Jun 27 j 19:15	0° \mathbb{Y}		morning set	-12047 Jun 11 j 19:16	15° \mathbb{X} 14'34	
morning set	-12048 Jun 30 j 06:04	4° \mathbb{Y} 02'52			-12047 Jun 20 j 10:50	0° \mathbb{Y}	
superior conj	-12048 Jul 14 j 21:18	27° \mathbb{Y} 47'40	1°08'41	superior conj	-12047 Jun 24 j 13:31	6° \mathbb{Y} 49'44	1°36'48
minimum elong	-12048 Jul 15 j 03:53	28° \mathbb{Y} 13'52	1°08'22	minimum elong	-12047 Jun 24 j 18:24	7° \mathbb{Y} 09'49	1°36'33
	-12048 Jul 16 j 06:33	0° \mathbb{Z}		max. Earth dist.	-12047 Jun 30 j 00:04	15° \mathbb{Y} 40'25	1.43680 AU
max. Earth dist.	-12048 Jul 17 j 09:39	1° \mathbb{Z} 47'35	1.44452 AU		-12047 Jul 09 j 01:20	0° \mathbb{Z}	
desc. node	-12048 Jul 27 j 08:30	17° \mathbb{Z} 29'40		evening rise	-12047 Jul 10 j 16:16	2° \mathbb{Z} 31'33	
evening rise	-12048 Jul 31 j 11:53	23° \mathbb{Z} 59'54		desc. node	-12047 Jul 14 j 05:56	8° \mathbb{Z} 02'43	
	-12048 Aug 04 j 07:44	0° \mathbb{I}			-12047 Jul 28 j 22:30	0° \mathbb{I}	
greatest brilliancy	-12048 Aug 10 j 04:59	9° \mathbb{I} 09'47	-0.8m	evening max el	-12047 Aug 07 j 06:36	11° \mathbb{I} 48'18	20°24'40
evening max el	-12048 Aug 24 j 02:49	28° \mathbb{I} 20'41	19°26'02	retrograde	-12047 Aug 15 j 03:20	16° \mathbb{I} 23'38	
	-12048 Aug 25 j 21:14	0° \mathbb{L}		evening set	-12047 Aug 18 j 21:37	15° \mathbb{I} 02'09	
retrograde	-12048 Aug 31 j 06:34	2° \mathbb{L} 26'34		asc. node	-12047 Aug 23 j 08:00	10° \mathbb{I} 18'01	
evening set	-12048 Sep 03 j 14:14	1° \mathbb{L} 22'43		inferior conj	-12047 Aug 24 j 07:52	8° \mathbb{I} 58'33	0°18'48
asc. node	-12048 Sep 05 j 11:02	29° \mathbb{I} 52'46		minimum elong	-12047 Aug 24 j 07:26	9° \mathbb{I} 00'01	0°19'17
	-12048 Sep 05 j 07:59	30° \mathbb{R} \mathbb{I}		min. Earth dist.	-12047 Aug 25 j 02:33	7° \mathbb{I} 55'53	0.66642 AU
inferior conj	-12048 Sep 09 j 06:03	25° \mathbb{I} 28'31	1°10'46	morning rise	-12047 Aug 29 j 17:04	2° \mathbb{I} 37'41	
minimum elong	-12048 Sep 09 j 04:26	25° \mathbb{I} 33'42	1°10'52	direct	-12047 Sep 04 j 04:19	0° \mathbb{I} 18'19	
min. Earth dist.	-12048 Sep 10 j 11:54	23° \mathbb{I} 53'07	0.65907 AU	morning max el	-12047 Sep 15 j 15:33	7° \mathbb{I} 08'40	24°42'28
morning rise	-12048 Sep 14 j 18:18	19° \mathbb{I} 11'18			-12047 Oct 03 j 12:43	0° \mathbb{L}	
direct	-12048 Sep 20 j 19:49	16° \mathbb{I} 37'12		desc. node	-12047 Oct 10 j 04:12	10° \mathbb{L} 03'23	
morning max el	-12048 Oct 03 j 05:40	23° \mathbb{I} 52'57	25°57'40	morning set	-12047 Oct 21 j 10:15	28° \mathbb{L} 39'58	
	-12048 Oct 08 j 18:40	0° \mathbb{L}			-12047 Oct 22 j 04:29	0° \mathbb{L}	
desc. node	-12048 Oct 23 j 07:22	19° \mathbb{L} 56'42		max. Earth dist.	-12047 Oct 25 j 08:49	5° \mathbb{L} 41'52	1.37844 AU
	-12048 Oct 29 j 15:55	0° \mathbb{L}					
morning set	-12048 Nov 08 j 06:21	16° \mathbb{L} 41'46		superior conj	-12047 Oct 31 j 23:34	18° \mathbb{L} 08'12	-1°37'37
max. Earth dist.	-12048 Nov 12 j 07:22	24° \mathbb{L} 18'07	1.36055 AU	minimum elong	-12047 Oct 31 j 22:57	18° \mathbb{L} 05'14	1°37'07
	-12048 Nov 15 j 05:22	0° \mathbb{M}			-12047 Nov 06 j 23:51	0° \mathbb{M}	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening rise	-12047 Nov 09 j 09:35	4° \mathbb{M} 47'43		max. Earth dist.	-12046 Oct 07 j 07:22	17° \mathbb{Q} 25'55	1.39822 AU
asc. node	-12047 Nov 19 j 06:42	23° \mathbb{M} 00'00			-12046 Oct 14 j 08:32	0° \mathbb{Q}	
	-12047 Nov 24 j 08:16	0° \mathbb{Q}					
evening max el	-12047 Nov 26 j 08:23	2° \mathbb{Q} 06'45	19°13'00	superior conj	-12046 Oct 14 j 19:50	0° \mathbb{Q} 51'59	-1°30'14
retrograde	-12047 Dec 05 j 05:35	6° \mathbb{Q} 20'42		minimum elong	-12046 Oct 14 j 17:21	0° \mathbb{Q} 40'36	1°29'27
evening set	-12047 Dec 07 j 17:49	6° \mathbb{Q} 01'55		evening rise	-12046 Oct 24 j 04:11	18° \mathbb{Q} 35'07	
inferior conj	-12047 Dec 15 j 20:46	1° \mathbb{Q} 47'37	4°09'20		-12046 Oct 30 j 06:17	0° \mathbb{M}	
minimum elong	-12047 Dec 15 j 23:13	1° \mathbb{Q} 43'26	4°09'09	asc. node	-12046 Nov 06 j 04:02	10° \mathbb{M} 58'17	
	-12047 Dec 18 j 11:49	30° \mathbb{R} \mathbb{M}		evening max el	-12046 Nov 09 j 10:09	14° \mathbb{M} 42'56	18°31'37
min. Earth dist.	-12047 Dec 18 j 17:45	29° \mathbb{M} 50'09	0.57299 AU	retrograde	-12046 Nov 17 j 04:16	18° \mathbb{M} 31'24	
morning rise	-12047 Dec 24 j 02:30	26° \mathbb{M} 54'12		evening set	-12046 Nov 19 j 15:35	18° \mathbb{M} 09'30	
direct	-12047 Dec 29 j 07:44	25° \mathbb{M} 51'02		inferior conj	-12046 Nov 27 j 05:45	13° \mathbb{M} 35'18	4°15'51
desc. node	-12046 Jan 06 j 05:50	28° \mathbb{M} 14'22		minimum elong	-12046 Nov 27 j 04:36	13° \mathbb{M} 37'35	4°16'03
	-12046 Jan 08 j 20:45	0° \mathbb{Q}		min. Earth dist.	-12046 Nov 30 j 10:44	11° \mathbb{M} 04'25	0.59016 AU
morning max el	-12046 Jan 12 j 07:31	2° \mathbb{Q} 57'19	25°03'40	morning rise	-12046 Dec 04 j 15:47	8° \mathbb{M} 19'52	
	-12046 Jan 31 j 08:42	0° \mathbb{M}		direct	-12046 Dec 10 j 23:41	6° \mathbb{M} 38'43	
morning set	-12046 Feb 07 j 18:38	14° \mathbb{M} 41'32		desc. node	-12046 Dec 24 j 02:27	13° \mathbb{M} 04'48	
				morning max el	-12046 Dec 25 j 00:45	13° \mathbb{M} 56'50	26°23'42
superior conj	-12046 Feb 14 j 18:06	29° \mathbb{M} 42'38	-0°04'01		-12045 Jan 06 j 21:12	0° \mathbb{Q}	
minimum elong	-12046 Feb 14 j 18:17	29° \mathbb{M} 43'40	0°04'35	morning set	-12045 Jan 23 j 06:02	29° \mathbb{Q} 43'42	
behind sun begin	-12046 Feb 14 j 13:25	29° \mathbb{M} 17'14			-12045 Jan 23 j 09:09	0° \mathbb{M}	
behind sun end	-12046 Feb 14 j 23:09	0° \mathbb{X} 10'04					
	-12046 Feb 14 j 21:18	0° \mathbb{X}		superior conj	-12045 Jan 30 j 05:37	14° \mathbb{M} 46'07	-0°26'34
asc. node	-12046 Feb 15 j 04:13	0° \mathbb{X} 37'29		minimum elong	-12045 Jan 30 j 06:40	14° \mathbb{M} 51'54	0°26'50
max. Earth dist.	-12046 Feb 15 j 22:12	2° \mathbb{X} 14'50	1.33116 AU	max. Earth dist.	-12045 Jan 30 j 11:03	15° \mathbb{M} 15'46	1.32811 AU
evening rise	-12046 Feb 22 j 01:57	15° \mathbb{X} 13'39		asc. node	-12045 Feb 02 j 01:30	20° \mathbb{M} 55'36	
	-12046 Mar 01 j 17:51	0° \mathbb{Z}		evening rise	-12045 Feb 06 j 08:25	0° \mathbb{X} 02'07	
	-12046 Mar 21 j 20:31	0° \approx			-12045 Feb 06 j 08:00	0° \mathbb{X}	
evening max el	-12046 Mar 25 j 23:39	4° \approx 22'29	27°18'04		-12045 Feb 23 j 00:11	0° \mathbb{Z}	
desc. node	-12046 Apr 04 j 06:21	10° \approx 56'08		evening max el	-12045 Mar 08 j 02:24	16° \mathbb{Z} 18'38	26°37'24
retrograde	-12046 Apr 08 j 23:28	11° \approx 54'55		retrograde	-12045 Mar 22 j 05:27	23° \mathbb{Z} 43'00	
evening set	-12046 Apr 15 j 17:38	9° \approx 43'02		desc. node	-12045 Mar 22 j 03:26	23° \mathbb{Z} 42'59	
min. Earth dist.	-12046 Apr 19 j 12:02	6° \approx 45'53	0.61660 AU	evening set	-12045 Mar 28 j 09:22	22° \mathbb{Z} 04'25	
inferior conj	-12046 Apr 22 j 14:51	3° \approx 51'21	-3°21'07	min. Earth dist.	-12045 Apr 01 j 15:52	19° \mathbb{Z} 13'48	0.59675 AU
minimum elong	-12046 Apr 22 j 13:40	3° \approx 54'07	3°21'39	inferior conj	-12045 Apr 04 j 23:57	16° \mathbb{Z} 31'02	-2°54'47
	-12046 Apr 27 j 06:46	30° \mathbb{R} \mathbb{Z}		minimum elong	-12045 Apr 04 j 21:02	16° \mathbb{Z} 37'00	2°55'00
morning rise	-12046 Apr 29 j 11:28	28° \mathbb{Z} 52'07		morning rise	-12045 Apr 12 j 11:26	11° \mathbb{Z} 51'29	
direct	-12046 May 02 j 02:05	28° \mathbb{Z} 22'06		direct	-12045 Apr 14 j 21:39	11° \mathbb{Z} 29'24	
	-12046 May 06 j 17:38	0° \approx		morning max el	-12045 Apr 22 j 07:33	15° \mathbb{Z} 05'30	18°19'00
morning max el	-12046 May 08 j 20:10	1° \approx 45'38	18°03'16	asc. node	-12045 May 01 j 00:40	27° \mathbb{Z} 07'53	
asc. node	-12046 May 14 j 03:47	8° \approx 26'31			-12045 May 02 j 16:10	0° \approx	
morning set	-12046 May 25 j 06:05	27° \approx 28'51		morning set	-12045 May 08 j 09:48	10° \approx 35'13	
	-12046 May 26 j 15:31	0° \mathbb{X}					
				superior conj	-12045 May 18 j 04:17	28° \approx 46'56	1°46'36
superior conj	-12046 Jun 05 j 08:05	17° \mathbb{X} 09'48	1°48'33	minimum elong	-12045 May 18 j 02:35	28° \approx 39'16	1°46'10
minimum elong	-12046 Jun 05 j 09:13	17° \mathbb{X} 14'39	1°48'20		-12045 May 18 j 20:27	0° \mathbb{X}	
max. Earth dist.	-12046 Jun 12 j 09:12	29° \mathbb{X} 02'19	1.42334 AU	max. Earth dist.	-12045 May 25 j 12:41	11° \mathbb{X} 43'52	1.40607 AU
	-12046 Jun 12 j 23:13	0° \mathbb{Y}		evening rise	-12045 May 30 j 15:20	20° \mathbb{X} 17'55	
evening rise	-12046 Jun 19 j 18:15	10° \mathbb{Y} 56'30			-12045 Jun 05 j 16:15	0° \mathbb{Y}	
desc. node	-12046 Jul 01 j 03:26	28° \mathbb{Y} 26'01		desc. node	-12045 Jun 18 j 00:56	18° \mathbb{Y} 34'31	
	-12046 Jul 02 j 04:41	0° \mathbb{X}			-12045 Jun 26 j 09:56	0° \mathbb{X}	
evening max el	-12046 Jul 21 j 03:28	25° \mathbb{X} 11'52	21°36'06	evening max el	-12045 Jul 03 j 18:02	8° \mathbb{X} 32'33	22°56'08
	-12046 Jul 27 j 17:25	0° \mathbb{II}		retrograde	-12045 Jul 13 j 17:06	14° \mathbb{X} 27'18	
retrograde	-12046 Jul 29 j 23:23	0° \mathbb{II} 24'48		evening set	-12045 Jul 18 j 14:01	12° \mathbb{X} 24'27	
	-12046 Aug 01 j 02:45	30° \mathbb{R} \mathbb{X}		inferior conj	-12045 Jul 23 j 19:11	6° \mathbb{X} 10'29	-1°17'50
evening set	-12046 Aug 03 j 06:12	28° \mathbb{X} 43'14		minimum elong	-12045 Jul 23 j 20:41	6° \mathbb{X} 05'15	1°16'54
inferior conj	-12046 Aug 08 j 12:51	22° \mathbb{X} 33'08	-0°31'14	min. Earth dist.	-12045 Jul 23 j 16:44	6° \mathbb{X} 18'56	0.67241 AU
minimum elong	-12046 Aug 08 j 13:30	22° \mathbb{X} 30'54	0°30'27	asc. node	-12045 Jul 28 j 01:44	0° \mathbb{X} 51'21	
min. Earth dist.	-12046 Aug 08 j 20:59	22° \mathbb{X} 05'09	0.67088 AU	morning rise	-12045 Jul 29 j 03:15	29° \mathbb{Y} 54'04	
asc. node	-12046 Aug 10 j 04:54	20° \mathbb{X} 16'58			-12045 Jul 29 j 00:20	30° \mathbb{R} \mathbb{Y}	
morning rise	-12046 Aug 13 j 20:41	16° \mathbb{X} 12'33		direct	-12045 Aug 02 j 11:35	28° \mathbb{Y} 10'26	
direct	-12046 Aug 18 j 17:54	14° \mathbb{X} 10'44			-12045 Aug 07 j 10:18	0° \mathbb{X}	
morning max el	-12046 Aug 29 j 02:10	20° \mathbb{X} 24'26	23°19'12	morning max el	-12045 Aug 11 j 16:01	3° \mathbb{X} 41'24	21°56'22
	-12046 Sep 06 j 05:14	0° \mathbb{II}			-12045 Aug 31 j 08:43	0° \mathbb{II}	
	-12046 Sep 26 j 18:44	0° \mathbb{Q}		morning set	-12045 Sep 12 j 15:11	18° \mathbb{II} 53'57	
desc. node	-12046 Sep 27 j 01:08	0° \mathbb{Q} 25'27		desc. node	-12045 Sep 13 j 22:13	20° \mathbb{II} 58'00	
morning set	-12046 Oct 02 j 13:51	9° \mathbb{Q} 24'47			-12045 Sep 19 j 11:02	0° \mathbb{Q}	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

max. Earth dist.	-12045 Sep 19 j 09:44	29° Π 54'35	1.41725 AU	desc. node	-12044 Aug 30 j 19:22	11° Π 36'24	
				max. Earth dist.	-12044 Aug 31 j 18:43	13° Π 10'29	1.43276 AU
superior conj	-12045 Sep 26 j 19:59	12° \mathfrak{S} 33'45	-1°11'52				
minimum elong	-12045 Sep 26 j 15:59	12° \mathfrak{S} 16'15	1°10'47	superior conj	-12044 Sep 06 j 18:20	22° Π 58'31	-0°40'59
	-12045 Oct 06 j 12:31	0° Ω		minimum elong	-12044 Sep 06 j 14:42	22° Π 43'27	0°39'52
evening rise	-12045 Oct 07 j 11:59	1° Ω 47'53			-12044 Sep 10 j 22:42	0° \mathfrak{S}	
evening max el	-12045 Oct 23 j 18:53	27° Ω 43'14	18°10'20	evening rise	-12044 Sep 19 j 04:34	14° \mathfrak{S} 15'18	
asc. node	-12045 Oct 24 j 01:18	27° Ω 58'53			-12044 Sep 28 j 08:07	0° Ω	
	-12045 Oct 26 j 14:27	0° \mathfrak{M}		evening max el	-12044 Oct 06 j 07:36	10° Ω 59'37	18°08'31
retrograde	-12045 Oct 30 j 19:28	1° \mathfrak{M} 18'26		asc. node	-12044 Oct 09 j 22:30	13° Ω 46'03	
evening set	-12045 Nov 02 j 07:31	0° \mathfrak{M} 51'45		retrograde	-12044 Oct 12 j 23:35	14° Ω 32'08	
	-12045 Nov 04 j 04:08	30° \mathfrak{R} Ω		evening set	-12044 Oct 15 j 14:11	13° Ω 58'46	
inferior conj	-12045 Nov 09 j 09:18	25° Ω 55'47	3°55'28	inferior conj	-12044 Oct 22 j 04:32	8° Ω 42'34	3°18'22
minimum elong	-12045 Nov 09 j 06:00	26° Ω 03'15	3°55'23	minimum elong	-12044 Oct 22 j 00:42	8° Ω 52'23	3°17'59
min. Earth dist.	-12045 Nov 12 j 10:02	23° Ω 11'56	0.60873 AU	min. Earth dist.	-12044 Oct 24 j 18:33	6° Ω 04'12	0.62619 AU
morning rise	-12045 Nov 16 j 03:09	20° Ω 21'30		morning rise	-12044 Oct 28 j 10:16	2° Ω 51'53	
direct	-12045 Nov 23 j 01:37	18° Ω 07'07		direct	-12044 Nov 04 j 11:37	0° Ω 16'20	
morning max el	-12045 Dec 07 j 00:02	25° Ω 31'51	27°16'02	morning max el	-12044 Nov 18 j 05:27	7° Ω 46'30	27°34'22
desc. node	-12045 Dec 10 j 23:07	29° Ω 42'03		desc. node	-12044 Nov 26 j 19:48	17° Ω 36'30	
	-12045 Dec 11 j 05:23	0° \mathfrak{M}			-12044 Dec 05 j 11:17	0° \mathfrak{M}	
	-12045 Dec 31 j 03:20	0° \mathfrak{L}		morning set	-12044 Dec 21 j 17:31	29° \mathfrak{M} 09'04	
morning set	-12044 Jan 07 j 14:23	14° \mathfrak{L} 35'22			-12044 Dec 22 j 03:34	0° \mathfrak{L}	
max. Earth dist.	-12044 Jan 14 j 00:06	28° \mathfrak{L} 14'57	1.32837 AU	max. Earth dist.	-12044 Dec 27 j 09:43	10° \mathfrak{L} 59'55	1.33214 AU
superior conj	-12044 Jan 14 j 17:26	29° \mathfrak{L} 49'24	-0°47'29	superior conj	-12044 Dec 29 j 03:51	14° \mathfrak{L} 46'31	-1°06'01
minimum elong	-12044 Jan 14 j 19:08	29° \mathfrak{L} 58'41	0°47'30	minimum elong	-12044 Dec 29 j 05:53	14° \mathfrak{L} 57'33	1°05'53
	-12044 Jan 14 j 19:22	0° \mathfrak{M}		evening rise	-12043 Jan 05 j 05:19	29° \mathfrak{L} 57'19	
asc. node	-12044 Jan 19 j 22:50	11° \mathfrak{M} 09'35			-12043 Jan 05 j 05:49	0° \mathfrak{M}	
evening rise	-12044 Jan 21 j 18:08	14° \mathfrak{M} 58'49		asc. node	-12043 Jan 05 j 20:10	1° \mathfrak{M} 15'00	
	-12044 Jan 29 j 09:02	0° \mathfrak{J}			-12043 Jan 22 j 06:41	0° \mathfrak{J}	
evening max el	-12044 Feb 17 j 23:41	27° \mathfrak{J} 38'51	25°28'01	evening max el	-12043 Jan 29 j 17:12	8° \mathfrak{J} 34'46	23°59'39
	-12044 Feb 20 j 16:01	0° \mathfrak{Z}		retrograde	-12043 Feb 12 j 08:10	15° \mathfrak{J} 18'11	
retrograde	-12044 Mar 03 j 00:54	4° \mathfrak{Z} 47'54		evening set	-12043 Feb 16 j 11:43	14° \mathfrak{J} 40'03	
evening set	-12044 Mar 08 j 06:12	3° \mathfrak{Z} 43'36		desc. node	-12043 Feb 22 j 21:23	11° \mathfrak{J} 37'26	
desc. node	-12044 Mar 08 j 00:27	3° \mathfrak{Z} 49'16		min. Earth dist.	-12043 Feb 23 j 06:20	11° \mathfrak{J} 23'55	0.56307 AU
min. Earth dist.	-12044 Mar 13 j 13:11	0° \mathfrak{Z} 46'06	0.57787 AU	inferior conj	-12043 Feb 25 j 09:37	10° \mathfrak{J} 04'41	-0°37'57
	-12044 Mar 14 j 15:51	30° \mathfrak{R} \mathfrak{J}		minimum elong	-12043 Feb 25 j 08:06	10° \mathfrak{J} 07'02	0°38'07
inferior conj	-12044 Mar 16 j 14:39	28° \mathfrak{J} 37'03	-2°01'06	morning rise	-12043 Mar 06 j 07:13	5° \mathfrak{J} 58'16	
minimum elong	-12044 Mar 16 j 11:09	28° \mathfrak{J} 43'15	2°00'55	direct	-12043 Mar 08 j 11:09	5° \mathfrak{J} 45'55	
morning rise	-12044 Mar 24 j 19:17	24° \mathfrak{J} 16'19		morning max el	-12043 Mar 18 j 11:10	10° \mathfrak{J} 29'40	19°49'21
direct	-12044 Mar 27 j 01:25	24° \mathfrak{J} 00'22			-12043 Mar 31 j 16:31	0° \mathfrak{Z}	
morning max el	-12044 Apr 04 j 13:32	28° \mathfrak{J} 03'11	18°54'16	asc. node	-12043 Apr 03 j 18:34	5° \mathfrak{Z} 59'31	
	-12044 Apr 06 j 10:13	0° \mathfrak{Z}		morning set	-12043 Apr 05 j 02:59	8° \mathfrak{Z} 41'19	
asc. node	-12044 Apr 16 j 21:35	16° \mathfrak{Z} 21'27					
morning set	-12044 Apr 21 j 01:58	24° \mathfrak{Z} 22'32		superior conj	-12043 Apr 13 j 04:56	24° \mathfrak{Z} 57'59	1°17'22
	-12044 Apr 23 j 22:54	0° \approx		minimum elong	-12043 Apr 13 j 01:57	24° \mathfrak{Z} 43'14	1°16'22
					-12043 Apr 15 j 18:28	0° \approx	
superior conj	-12044 Apr 29 j 20:58	11° \approx 27'40	1°35'03	max. Earth dist.	-12043 Apr 18 j 15:47	5° \approx 31'47	1.36953 AU
minimum elong	-12044 Apr 29 j 18:03	11° \approx 13'46	1°34'17	evening rise	-12043 Apr 22 j 17:23	13° \approx 02'38	
max. Earth dist.	-12044 May 06 j 13:11	23° \approx 48'01	1.38735 AU		-12043 May 02 j 15:06	0° \mathfrak{H}	
	-12044 May 10 j 01:35	0° \mathfrak{H}		desc. node	-12043 May 21 j 19:51	27° \mathfrak{H} 38'11	
evening rise	-12044 May 10 j 15:50	1° \mathfrak{H} 01'34			-12043 May 23 j 18:54	0° \mathfrak{Y}	
	-12044 May 28 j 23:02	0° \mathfrak{Y}		evening max el	-12043 May 28 j 14:17	5° \mathfrak{Y} 14'42	25°34'51
desc. node	-12044 Jun 03 j 22:25	8° \mathfrak{Y} 21'30		retrograde	-12043 Jun 09 j 17:39	12° \mathfrak{Y} 20'55	
evening max el	-12044 Jun 15 j 04:41	21° \mathfrak{Y} 52'53	24°18'25	evening set	-12043 Jun 15 j 19:39	9° \mathfrak{Y} 41'55	
retrograde	-12044 Jun 26 j 07:26	28° \mathfrak{Y} 27'23		min. Earth dist.	-12043 Jun 20 j 02:31	4° \mathfrak{Y} 51'36	0.66574 AU
evening set	-12044 Jul 01 j 19:11	26° \mathfrak{Y} 04'20		inferior conj	-12043 Jun 21 j 04:38	3° \mathfrak{Y} 26'33	-2°35'29
min. Earth dist.	-12044 Jul 06 j 11:20	20° \mathfrak{Y} 35'09	0.67081 AU	minimum elong	-12043 Jun 21 j 06:57	3° \mathfrak{Y} 19'02	2°34'54
inferior conj	-12044 Jul 07 j 01:02	19° \mathfrak{Y} 48'39	-1°59'42		-12043 Jun 23 j 23:37	30° \mathfrak{R} \mathfrak{H}	
minimum elong	-12044 Jul 07 j 03:08	19° \mathfrak{Y} 41'33	1°58'51	morning rise	-12043 Jun 26 j 18:17	27° \mathfrak{H} 28'37	
morning rise	-12044 Jul 12 j 11:01	13° \mathfrak{Y} 39'58		direct	-12043 Jun 30 j 05:56	26° \mathfrak{H} 18'05	
asc. node	-12044 Jul 13 j 22:32	12° \mathfrak{Y} 46'23		asc. node	-12043 Jun 30 j 19:20	26° \mathfrak{H} 19'49	
direct	-12044 Jul 16 j 08:07	12° \mathfrak{Y} 13'43			-12043 Jul 07 j 01:02	0° \mathfrak{Y}	
morning max el	-12044 Jul 24 j 11:35	17° \mathfrak{Y} 03'04	20°40'41	morning max el	-12043 Jul 07 j 13:46	0° \mathfrak{Y} 32'00	19°36'59
	-12044 Aug 03 j 15:10	0° \mathfrak{B}			-12043 Jul 28 j 04:46	0° \mathfrak{B}	
morning set	-12044 Aug 21 j 21:23	27° \mathfrak{B} 30'34		morning set	-12043 Aug 01 j 02:27	6° \mathfrak{B} 06'03	
	-12044 Aug 23 j 11:41	0° Π		max. Earth dist.	-12043 Aug 14 j 08:50	26° \mathfrak{B} 59'19	1.44269 AU

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12043 Aug 16 j 06:12	0°♊		superior conj	-12042 Jul 27 j 14:44	10°♊21'40	0°45'52
				minimum elong	-12042 Jul 27 j 19:58	10°♊42'23	0°45'43
superior conj	-12043 Aug 17 j 13:17	2°♊04'14	0°00'50	max. Earth dist.	-12042 Jul 28 j 01:10	11°♊02'58	1.44583 AU
minimum elong	-12043 Aug 17 j 13:27	2°♊04'51	0°01'25	desc. node	-12042 Aug 04 j 13:52	22°♊58'06	
behind sun begin	-12043 Aug 17 j 02:26	1°♊20'49			-12042 Aug 09 j 00:05	0°♊	
behind sun end	-12043 Aug 18 j 00:27	2°♊48'57		evening rise	-12042 Aug 12 j 18:36	6°♊01'03	
desc. node	-12043 Aug 17 j 16:38	2°♊17'37			-12042 Aug 28 j 02:47	0°♊	
evening rise	-12043 Sep 01 j 00:32	25°♊44'11		evening max el	-12042 Sep 03 j 09:02	7°♊55'31	18°59'07
	-12043 Sep 03 j 13:50	0°♊		retrograde	-12042 Sep 10 j 06:21	11°♊49'12	
evening max el	-12043 Sep 19 j 21:14	24°♊25'18	18°25'08	evening set	-12042 Sep 13 j 08:47	10°♊54'14	
retrograde	-12043 Sep 26 j 12:24	28°♊04'11		asc. node	-12042 Sep 13 j 16:43	10°♊42'00	
asc. node	-12043 Sep 26 j 19:39	28°♊03'41		inferior conj	-12042 Sep 19 j 04:40	5°♊06'53	1°40'54
evening set	-12043 Sep 29 j 07:43	27°♊21'36		minimum elong	-12042 Sep 19 j 02:22	5°♊13'59	1°40'47
inferior conj	-12043 Oct 05 j 12:01	21°♊48'11	2°31'52	min. Earth dist.	-12042 Sep 20 j 17:27	3°♊13'35	0.65342 AU
minimum elong	-12043 Oct 05 j 08:42	21°♊57'38	2°31'29		-12042 Sep 23 j 14:29	30°♊♊	
min. Earth dist.	-12043 Oct 07 j 13:20	19°♊28'21	0.64126 AU	morning rise	-12042 Sep 24 j 19:27	28°♊53'12	
morning rise	-12043 Oct 11 j 08:58	15°♊44'07		direct	-12042 Oct 01 j 04:33	26°♊12'54	
direct	-12043 Oct 18 j 04:47	13°♊00'31			-12042 Oct 09 j 22:37	0°♊	
morning max el	-12043 Oct 31 j 14:41	20°♊32'49	27°18'42	morning max el	-12042 Oct 14 j 01:03	3°♊38'42	26°33'47
	-12043 Nov 08 j 21:59	0°♊		desc. node	-12042 Oct 31 j 13:09	25°♊53'04	
desc. node	-12043 Nov 13 j 16:27	6°♊25'24			-12042 Nov 03 j 06:14	0°♊	
	-12043 Nov 28 j 10:45	0°♊		morning set	-12042 Nov 18 j 20:13	26°♊42'01	
morning set	-12043 Dec 05 j 12:37	13°♊14'53			-12042 Nov 20 j 13:45	0°♊	
max. Earth dist.	-12043 Dec 10 j 12:01	23°♊18'02	1.33981 AU	max. Earth dist.	-12042 Nov 23 j 04:02	5°♊04'25	1.35174 AU
superior conj	-12043 Dec 13 j 10:58	29°♊30'17	-1°21'21	superior conj	-12042 Nov 27 j 12:38	13°♊53'40	-1°32'24
minimum elong	-12043 Dec 13 j 12:57	29°♊40'46	1°21'08	minimum elong	-12042 Nov 27 j 14:03	14°♊01'00	1°32'07
	-12043 Dec 13 j 16:34	0°♊		evening rise	-12042 Dec 05 j 01:16	29°♊33'42	
evening rise	-12043 Dec 20 j 16:14	14°♊50'45			-12042 Dec 05 j 06:22	0°♊	
asc. node	-12043 Dec 23 j 17:30	21°♊06'13		asc. node	-12042 Dec 10 j 14:51	10°♊37'05	
	-12043 Dec 28 j 09:40	0°♊			-12042 Dec 23 j 19:16	0°♊	
evening max el	-12042 Jan 11 j 11:31	19°♊27'39	22°25'33	evening max el	-12042 Dec 24 j 12:17	0°♊41'00	20°58'11
retrograde	-12042 Jan 24 j 04:01	25°♊32'16		retrograde	-12041 Jan 04 j 18:29	5°♊58'13	
evening set	-12042 Jan 27 j 10:17	25°♊08'52		evening set	-12041 Jan 07 j 12:52	5°♊40'18	
min. Earth dist.	-12042 Feb 04 j 21:23	21°♊20'50	0.55523 AU	inferior conj	-12041 Jan 16 j 09:58	1°♊41'23	2°42'30
inferior conj	-12042 Feb 05 j 12:31	20°♊59'04	1°04'56	minimum elong	-12041 Jan 16 j 15:39	1°♊33'07	2°40'40
minimum elong	-12042 Feb 05 j 15:15	20°♊55'08	1°03'32	min. Earth dist.	-12041 Jan 17 j 11:21	1°♊04'33	0.55602 AU
desc. node	-12042 Feb 09 j 18:14	18°♊41'11			-12041 Jan 19 j 09:06	30°♊♊	
morning rise	-12042 Feb 14 j 21:13	16°♊55'16		morning rise	-12041 Jan 25 j 17:17	27°♊24'27	
direct	-12042 Feb 17 j 06:02	16°♊42'15		desc. node	-12041 Jan 27 j 15:00	27°♊05'56	
morning max el	-12042 Feb 28 j 22:04	22°♊16'43	21°03'26	direct	-12041 Jan 28 j 21:08	27°♊02'24	
	-12042 Mar 07 j 09:31	0°♊			-12041 Feb 06 j 16:47	0°♊	
morning set	-12042 Mar 20 j 09:56	23°♊22'00		morning max el	-12041 Feb 10 j 21:51	3°♊24'47	22°33'00
asc. node	-12042 Mar 21 j 15:35	25°♊54'49			-12041 Feb 28 j 18:17	0°♊	
	-12042 Mar 23 j 14:48	0°♊		morning set	-12041 Mar 04 j 20:32	8°♊17'25	
				asc. node	-12041 Mar 08 j 12:40	16°♊02'16	
superior conj	-12042 Mar 27 j 23:45	9°♊04'07	0°56'06	superior conj	-12041 Mar 12 j 02:10	23°♊36'12	0°33'01
minimum elong	-12042 Mar 27 j 21:24	8°♊52'05	0°55'01	minimum elong	-12041 Mar 12 j 00:46	23°♊28'49	0°32'03
max. Earth dist.	-12042 Apr 01 j 01:44	17°♊19'19	1.35434 AU	max. Earth dist.	-12041 Mar 14 j 21:56	29°♊30'41	1.34264 AU
evening rise	-12042 Apr 05 j 14:12	26°♊04'17			-12041 Mar 15 j 03:37	0°♊	
	-12042 Apr 07 j 16:50	0°♊			-12041 Mar 20 j 01:06	9°♊51'07	
	-12042 Apr 26 j 00:36	0°♊		evening rise	-12041 Mar 31 j 03:37	0°♊	
desc. node	-12042 May 08 j 17:15	16°♊11'40			-12041 Apr 21 j 17:52	0°♊	
evening max el	-12042 May 11 j 00:32	18°♊34'46	26°36'57		-12041 Apr 23 j 11:22	1°♊45'23	27°16'30
retrograde	-12042 May 23 j 23:17	26°♊00'59		evening max el	-12041 Apr 25 j 14:36	3°♊44'12	
evening set	-12042 May 30 j 13:04	23°♊14'10		desc. node	-12041 May 06 j 23:29	9°♊19'41	
min. Earth dist.	-12042 Jun 03 j 12:06	19°♊02'54	0.65676 AU	retrograde	-12041 May 13 j 20:38	6°♊36'29	
inferior conj	-12042 Jun 05 j 03:56	17°♊01'12	-3°03'32	evening set	-12041 May 17 j 14:12	3°♊00'53	0.64386 AU
minimum elong	-12042 Jun 05 j 06:00	16°♊54'54	3°03'21	min. Earth dist.	-12041 May 19 j 20:33	0°♊28'39	-3°21'34
morning rise	-12042 Jun 10 j 23:09	11°♊16'45		inferior conj	-12041 May 19 j 21:48	0°♊25'08	3°21'49
direct	-12042 Jun 14 j 03:13	10°♊19'49		minimum elong	-12041 May 20 j 06:46	30°♊♊	
asc. node	-12042 Jun 17 j 16:06	11°♊26'34			-12041 May 25 j 23:33	24°♊59'59	
morning max el	-12042 Jun 20 j 21:44	14°♊06'52	18°48'23	morning rise	-12041 May 28 j 21:36	24°♊14'41	
	-12042 Jul 02 j 09:05	0°♊		direct	-12041 Jun 04 j 09:45	27°♊44'15	18°16'38
morning set	-12042 Jul 12 j 00:32	15°♊29'02		morning max el	-12041 Jun 04 j 12:51	27°♊52'05	
	-12042 Jul 21 j 01:58	0°♊		asc. node	-12041 Jun 06 j 10:29	0°♊	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning set	-12041 Jun 22 j 23:32	26° X 00'41			morning set	-12040 May 30 j 13:40	0° X	
	-12041 Jun 25 j 08:34	0° Y				-12040 Jun 03 j 22:35	7° X 40'43	
superior conj	-12041 Jul 06 j 19:46	18° Y 50'47	1°22'37		superior conj	-12040 Jun 15 j 22:41	28° X 24'10	1°43'42
minimum elong	-12041 Jul 07 j 02:09	19° Y 16'31	1°22'17		minimum elong	-12040 Jun 16 j 01:59	28° X 38'03	1°43'30
max. Earth dist.	-12041 Jul 10 j 16:53	25° Y 03'46	1.44198 AU			-12040 Jun 16 j 21:36	0° Y	
	-12041 Jul 13 j 19:33	0° Z			max. Earth dist.	-12040 Jun 22 j 05:30	8° Y 46'02	1.43170 AU
desc. node	-12041 Jul 22 j 11:16	13° Z 34'53			evening rise	-12040 Jul 01 j 10:26	23° Y 24'05	
evening rise	-12041 Jul 23 j 09:56	15° Z 03'12				-12040 Jul 05 j 16:46	0° Z	
	-12041 Aug 02 j 02:04	0° II			desc. node	-12040 Jul 08 j 08:44	4° Z 04'26	
greatest brilliancy	-12041 Aug 04 j 13:15	3° II 44'33	-0.7m			-12040 Jul 26 j 11:36	0° II	
evening max el	-12041 Aug 17 j 16:26	21° II 25'19	19°49'16		evening max el	-12040 Jul 30 j 17:29	4° II 51'55	20°53'41
retrograde	-12041 Aug 25 j 02:39	25° II 42'32			retrograde	-12040 Aug 07 j 23:13	9° II 41'49	
evening set	-12041 Aug 28 j 14:31	24° II 31'44			evening set	-12040 Aug 11 j 22:41	8° II 11'59	
asc. node	-12041 Aug 31 j 13:43	21° II 46'57			inferior conj	-12040 Aug 17 j 07:11	2° II 05'30	-0°02'44
inferior conj	-12041 Sep 03 j 03:46	18° II 33'27	0°48'37		minimum elong	-12040 Aug 17 j 07:14	2° II 05'21	0°02'06
minimum elong	-12041 Sep 03 j 02:40	18° II 37'05	0°48'52		transit middle	-12040 Aug 17 j 07:14	2° II 05'21	0°02'06
min. Earth dist.	-12041 Sep 04 j 04:51	17° II 11'24	0.66259 AU		transit begin	-12040 Aug 17 j 04:31	2° II 14'32	
morning rise	-12041 Sep 08 j 14:30	12° II 14'10			transit end	-12040 Aug 17 j 09:56	1° II 56'09	
direct	-12041 Sep 14 j 10:09	9° II 45'27			asc. node	-12040 Aug 17 j 10:40	1° II 53'40	
morning max el	-12041 Sep 26 j 10:55	16° II 52'06	25°27'07		min. Earth dist.	-12040 Aug 17 j 21:20	1° II 17'24	0.66875 AU
	-12041 Oct 07 j 11:23	0° S				-12040 Aug 18 j 20:25	30° R 8	
desc. node	-12041 Oct 18 j 09:55	15° S 47'38			morning rise	-12040 Aug 22 j 15:37	25° S 44'32	
	-12041 Oct 27 j 04:30	0° Q			direct	-12040 Aug 27 j 20:56	23° S 32'19	
morning set	-12041 Nov 01 j 11:41	9° Q 16'12				-12040 Sep 07 j 17:48	0° II	
max. Earth dist.	-12041 Nov 05 j 09:27	16° Q 27'35	1.36782 AU		morning max el	-12040 Sep 07 j 20:43	0° II 07'23	24°07'28
						-12040 Sep 30 j 09:29	0° S	
superior conj	-12041 Nov 11 j 05:58	27° Q 47'12	-1°37'48		desc. node	-12040 Oct 04 j 06:48	6° S 01'28	
minimum elong	-12041 Nov 11 j 06:16	27° Q 48'39	1°37'24		morning set	-12040 Oct 13 j 05:46	20° S 43'59	
	-12041 Nov 12 j 08:37	0° R			max. Earth dist.	-12040 Oct 17 j 08:57	27° S 56'43	1.38689 AU
evening rise	-12041 Nov 19 j 06:30	13° R 59'48				-12040 Oct 18 j 12:30	0° Q	
asc. node	-12041 Nov 27 j 12:13	29° R 39'38						
	-12041 Nov 27 j 16:59	0° U			superior conj	-12040 Oct 24 j 11:19	11° Q 00'20	-1°35'42
evening max el	-12041 Dec 06 j 22:46	12° U 26'27	19°45'54		minimum elong	-12040 Oct 24 j 09:56	10° Q 53'48	1°35'05
retrograde	-12041 Dec 16 j 15:05	16° U 59'53			evening rise	-12040 Nov 02 j 05:48	28° Q 03'31	
evening set	-12041 Dec 19 j 04:50	16° U 42'03				-12040 Nov 03 j 05:38	0° R	
inferior conj	-12041 Dec 27 j 15:03	12° U 36'57	3°49'09		asc. node	-12040 Nov 13 j 09:34	18° R 04'40	
minimum elong	-12041 Dec 27 j 19:32	12° U 29'50	3°48'21		evening max el	-12040 Nov 18 j 19:21	24° R 45'16	18°52'47
min. Earth dist.	-12041 Dec 30 j 00:36	11° U 06'02	0.56502 AU		retrograde	-12040 Nov 27 j 03:38	28° R 46'40	
morning rise	-12040 Jan 05 j 08:10	7° U 57'41			evening set	-12040 Nov 29 j 15:28	28° R 26'34	
direct	-12040 Jan 09 j 19:05	7° U 13'11			inferior conj	-12040 Dec 07 j 12:55	24° R 04'00	4°16'07
desc. node	-12040 Jan 14 j 11:41	8° U 03'39			minimum elong	-12040 Dec 07 j 13:44	24° R 02'31	4°16'12
morning max el	-12040 Jan 23 j 13:49	14° U 07'47	24°09'52		min. Earth dist.	-12040 Dec 10 j 15:03	21° R 50'15	0.58003 AU
	-12040 Feb 04 j 21:37	0° M			morning rise	-12040 Dec 15 j 10:05	19° R 01'08	
morning set	-12040 Feb 17 j 08:53	23° M 21'05			direct	-12040 Dec 21 j 04:01	17° R 42'09	
	-12040 Feb 20 j 11:53	0° X			desc. node	-12040 Dec 31 j 08:20	21° R 37'24	
asc. node	-12040 Feb 23 j 09:50	6° X 17'27			morning max el	-12039 Jan 04 j 04:49	24° R 53'29	25°40'29
						-12039 Jan 08 j 22:38	0° U	
superior conj	-12040 Feb 24 j 09:42	8° X 26'07	0°09'26			-12039 Jan 27 j 17:49	0° M	
minimum elong	-12040 Feb 24 j 09:20	8° X 24'06	0°08'43		morning set	-12039 Jan 31 j 21:09	8° M 25'55	
behind sun begin	-12040 Feb 24 j 05:01	8° X 00'51						
behind sun end	-12040 Feb 24 j 13:39	8° X 47'21			superior conj	-12039 Feb 07 j 20:16	23° M 26'26	-0°13'45
max. Earth dist.	-12040 Feb 26 j 03:21	12° X 09'28	1.33441 AU		minimum elong	-12039 Feb 07 j 20:51	23° M 29'36	0°14'11
evening rise	-12040 Mar 02 j 21:57	24° X 10'08			behind sun begin	-12039 Feb 07 j 18:39	23° M 17'39	
	-12040 Mar 05 j 20:54	0° Z			behind sun end	-12039 Feb 07 j 23:03	23° M 41'34	
	-12040 Mar 23 j 19:06	0° \approx			max. Earth dist.	-12039 Feb 08 j 14:40	25° M 06'37	1.32950 AU
evening max el	-12040 Apr 04 j 20:57	14° \approx 35'20	27°26'56		asc. node	-12039 Feb 09 j 07:04	26° M 35'40	
desc. node	-12040 Apr 11 j 11:52	19° \approx 51'25				-12039 Feb 10 j 20:55	0° X	
retrograde	-12040 Apr 18 j 17:25	22° \approx 09'17			evening rise	-12039 Feb 15 j 01:37	8° X 50'19	
evening set	-12040 Apr 25 j 15:12	19° \approx 42'41				-12039 Feb 26 j 07:14	0° Z	
min. Earth dist.	-12040 Apr 29 j 07:29	16° \approx 34'52	0.62735 AU		evening max el	-12039 Mar 18 j 02:42	26° Z 52'34	27°04'42
inferior conj	-12040 May 02 j 03:39	13° \approx 43'49	-3°26'16			-12039 Mar 21 j 16:44	0° \approx	
minimum elong	-12040 May 02 j 03:30	13° \approx 44'14	3°26'48		desc. node	-12039 Mar 29 j 09:03	4° \approx 01'05	
morning rise	-12040 May 08 j 17:00	8° \approx 33'09			retrograde	-12039 Apr 01 j 03:56	4° \approx 21'30	
direct	-12040 May 11 j 10:15	7° \approx 57'49			evening set	-12039 Apr 07 j 17:26	2° \approx 23'02	
morning max el	-12040 May 17 j 23:34	11° \approx 20'09	18°02'51			-12039 Apr 11 j 01:30	30° R 3	
asc. node	-12040 May 21 j 09:38	15° \approx 21'03			min. Earth dist.	-12039 Apr 11 j 15:37	29° Z 30'40	0.60824 AU

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

inferior conj	-12039 Apr 14 j 21:49	26° ♁ 38'34	-3°12'57	inferior conj	-12038 Mar 27 j 23:25	9° ♁ 04'36	-2°35'39
minimum elong	-12039 Apr 14 j 19:51	26° ♁ 42'55	3°13'24	minimum elong	-12038 Mar 27 j 20:01	9° ♁ 11'08	2°35'40
morning rise	-12039 Apr 22 j 00:24	21° ♁ 47'38		morning rise	-12038 Apr 04 j 18:03	4° ♁ 33'42	
direct	-12039 Apr 24 j 13:18	21° ♁ 21'01		direct	-12038 Apr 07 j 02:30	4° ♁ 14'29	
morning max el	-12039 May 01 j 12:40	24° ♁ 47'55	18°07'40	morning max el	-12038 Apr 14 j 22:10	7° ♁ 59'46	18°31'38
	-12039 May 05 j 20:21	0° ♁		asc. node	-12038 Apr 25 j 03:22	22° ♁ 35'02	
asc. node	-12039 May 08 j 06:28	3° ♁ 39'03			-12038 Apr 29 j 03:49	0° ♁	
morning set	-12039 May 17 j 17:09	20° ♁ 18'21		morning set	-12038 May 01 j 02:36	3° ♁ 42'57	
	-12039 May 22 j 23:59	0° ♁					
superior conj	-12039 May 28 j 04:36	9° ♁ 17'48	1°49'10	superior conj	-12038 May 10 j 10:14	21° ♁ 23'54	1°42'40
minimum elong	-12039 May 28 j 04:21	9° ♁ 16'38	1°48'53	minimum elong	-12038 May 10 j 07:50	21° ♁ 12'50	1°42'05
max. Earth dist.	-12039 Jun 04 j 12:45	21° ♁ 53'27	1.41634 AU		-12038 May 15 j 03:55	0° ♁	
	-12039 Jun 09 j 11:05	0° ♁		max. Earth dist.	-12038 May 17 j 14:17	4° ♁ 16'57	1.39811 AU
evening rise	-12039 Jun 10 j 18:29	2° ♁ 06'29		evening rise	-12038 May 22 j 02:56	12° ♁ 01'13	
desc. node	-12039 Jun 25 j 06:15	24° ♁ 21'59			-12038 Jun 02 j 08:28	0° ♁	
	-12039 Jun 29 j 03:42	0° ♁		desc. node	-12038 Jun 12 j 03:45	14° ♁ 22'03	
evening max el	-12039 Jul 13 j 11:29	18° ♁ 13'36	22°09'23		-12038 Jun 24 j 12:19	0° ♁	
retrograde	-12039 Jul 22 j 18:24	23° ♁ 43'49		evening max el	-12038 Jun 25 j 23:48	1° ♁ 32'31	23°31'18
evening set	-12039 Jul 27 j 07:12	21° ♁ 52'58		retrograde	-12038 Jul 06 j 10:55	7° ♁ 45'30	
inferior conj	-12039 Aug 01 j 12:56	15° ♁ 40'52	-0°51'29	evening set	-12038 Jul 11 j 14:08	5° ♁ 33'32	
minimum elong	-12039 Aug 01 j 13:59	15° ♁ 37'16	0°50'38		-12038 Jul 16 j 07:09	30° ♁	
min. Earth dist.	-12039 Aug 01 j 16:31	15° ♁ 28'30	0.67191 AU	inferior conj	-12038 Jul 16 j 19:16	29° ♁ 18'18	-1°36'17
asc. node	-12039 Aug 04 j 07:32	11° ♁ 59'59		minimum elong	-12038 Jul 16 j 21:04	29° ♁ 12'07	1°35'22
morning rise	-12039 Aug 06 j 20:42	9° ♁ 21'52		min. Earth dist.	-12038 Jul 16 j 12:05	29° ♁ 43'04	0.67208 AU
direct	-12039 Aug 11 j 12:13	7° ♁ 28'02		morning rise	-12038 Jul 22 j 03:57	23° ♁ 04'47	
morning max el	-12039 Aug 21 j 08:30	13° ♁ 23'27	22°43'34	asc. node	-12038 Jul 22 j 04:22	23° ♁ 03'57	
	-12039 Sep 03 j 13:32	0° ♁		direct	-12038 Jul 26 j 07:09	21° ♁ 28'56	
desc. node	-12039 Sep 21 j 03:48	26° ♁ 28'34		morning max el	-12038 Aug 04 j 00:41	26° ♁ 42'09	21°22'59
	-12039 Sep 23 j 08:20	0° ♁			-12038 Aug 06 j 23:35	0° ♁	
morning set	-12039 Sep 23 j 22:08	0° ♁ 56'04			-12038 Aug 28 j 03:25	0° ♁	
max. Earth dist.	-12039 Sep 29 j 09:08	10° ♁ 00'37	1.40659 AU	morning set	-12038 Sep 03 j 13:44	9° ♁ 58'05	
				desc. node	-12038 Sep 08 j 00:53	17° ♁ 03'47	
superior conj	-12039 Oct 06 j 23:46	23° ♁ 19'48	-1°23'55	max. Earth dist.	-12038 Sep 11 j 14:00	22° ♁ 49'03	1.42432 AU
minimum elong	-12039 Oct 06 j 20:32	23° ♁ 05'13	1°23'00		-12038 Sep 15 j 21:53	0° ♁	
	-12039 Oct 10 j 15:24	0° ♁		superior conj	-12038 Sep 18 j 13:29	4° ♁ 29'36	-1°00'18
evening rise	-12039 Oct 16 j 20:19	11° ♁ 37'54		minimum elong	-12038 Sep 18 j 09:17	4° ♁ 11'40	0°59'09
	-12039 Oct 27 j 03:59	0° ♁		evening rise	-12038 Sep 29 j 22:15	24° ♁ 32'44	
asc. node	-12039 Oct 31 j 06:52	5° ♁ 40'29			-12038 Oct 02 j 22:59	0° ♁	
evening max el	-12039 Nov 02 j 00:25	7° ♁ 32'49	18°20'03	evening max el	-12038 Oct 16 j 11:11	20° ♁ 40'39	18°07'16
retrograde	-12039 Nov 09 j 10:03	11° ♁ 14'39		asc. node	-12038 Oct 18 j 04:06	22° ♁ 11'52	
evening set	-12039 Nov 11 j 21:23	10° ♁ 50'58		retrograde	-12038 Oct 23 j 07:18	24° ♁ 13'49	
inferior conj	-12039 Nov 19 j 06:10	6° ♁ 07'10	4°09'53	evening set	-12038 Oct 25 j 20:02	23° ♁ 44'44	
minimum elong	-12039 Nov 19 j 03:53	6° ♁ 11'58	4°09'59	inferior conj	-12038 Nov 01 j 16:50	18° ♁ 40'03	3°41'17
min. Earth dist.	-12039 Nov 22 j 10:19	3° ♁ 28'24	0.59803 AU	minimum elong	-12038 Nov 01 j 13:09	18° ♁ 48'52	3°41'04
morning rise	-12039 Nov 26 j 08:47	0° ♁ 43'10		min. Earth dist.	-12038 Nov 04 j 13:34	15° ♁ 56'15	0.61632 AU
	-12039 Nov 27 j 18:12	30° ♁		morning rise	-12038 Nov 08 j 05:01	12° ♁ 58'10	
direct	-12039 Dec 03 j 00:10	28° ♁ 47'06		direct	-12038 Nov 15 j 05:52	10° ♁ 32'55	
	-12039 Dec 08 j 10:08	0° ♁		morning max el	-12038 Nov 29 j 02:57	18° ♁ 01'10	27°28'06
morning max el	-12039 Dec 17 j 00:44	6° ♁ 08'16	26°49'58	desc. node	-12038 Dec 05 j 01:36	24° ♁ 31'13	
desc. node	-12039 Dec 18 j 04:58	7° ♁ 17'57			-12038 Dec 09 j 07:31	0° ♁	
	-12038 Jan 03 j 21:22	0° ♁			-12038 Dec 27 j 11:28	0° ♁	
morning set	-12038 Jan 16 j 07:33	23° ♁ 25'17		morning set	-12038 Dec 31 j 13:58	8° ♁ 10'30	
	-12038 Jan 19 j 10:05	0° ♁		max. Earth dist.	-12037 Jan 06 j 16:09	21° ♁ 03'40	1.32951 AU
superior conj	-12038 Jan 23 j 08:09	8° ♁ 31'02	-0°35'41				
minimum elong	-12038 Jan 23 j 09:31	8° ♁ 38'29	0°35'50	superior conj	-12037 Jan 07 j 19:35	23° ♁ 32'33	-0°55'41
max. Earth dist.	-12038 Jan 23 j 04:14	8° ♁ 09'39	1.32782 AU	minimum elong	-12037 Jan 07 j 21:28	23° ♁ 42'49	0°55'38
asc. node	-12038 Jan 27 j 04:23	16° ♁ 52'50			-12037 Jan 10 j 18:49	0° ♁	
evening rise	-12038 Jan 30 j 09:44	23° ♁ 43'29		asc. node	-12037 Jan 14 j 01:42	7° ♁ 03'38	
	-12038 Feb 02 j 11:32	0° ♁		evening rise	-12037 Jan 14 j 20:15	8° ♁ 41'28	
	-12038 Feb 20 j 14:23	0° ♁			-12037 Jan 26 j 01:12	0° ♁	
evening max el	-12038 Feb 28 j 02:52	8° ♁ 32'09	26°10'49	evening max el	-12037 Feb 09 j 21:59	19° ♁ 39'14	24°51'56
retrograde	-12038 Mar 14 j 05:44	15° ♁ 51'28		retrograde	-12037 Feb 23 j 20:35	26° ♁ 39'41	
desc. node	-12038 Mar 16 j 06:06	15° ♁ 41'16		evening set	-12037 Feb 28 j 14:38	25° ♁ 47'55	
evening set	-12038 Mar 20 j 01:03	14° ♁ 27'33		desc. node	-12037 Mar 03 j 03:04	24° ♁ 41'54	
min. Earth dist.	-12038 Mar 24 j 16:10	11° ♁ 35'47	0.58846 AU	min. Earth dist.	-12037 Mar 06 j 11:37	22° ♁ 43'37	0.57088 AU
				inferior conj	-12037 Mar 09 j 05:37	20° ♁ 54'07	-1°29'14

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-12037 Mar 09 j 02:35	20° ♂ 59'10	1°29'03	transit middle	-12036 Feb 17 j 17:03	2° ♂ 05'46	0°03'51
morning rise	-12037 Mar 17 j 17:46	16° ♂ 40'28		transit begin	-12036 Feb 17 j 13:08	2° ♂ 11'36	
direct	-12037 Mar 19 j 22:17	16° ♂ 26'35		transit end	-12036 Feb 17 j 20:58	1° ♂ 59'56	
morning max el	-12037 Mar 29 j 01:00	20° ♂ 45'29	19°15'16	desc. node	-12036 Feb 17 j 23:57	1° ♂ 55'30	
	-12037 Apr 05 j 06:11	0° ♂			-12036 Feb 21 j 10:04	30° ♂	
asc. node	-12037 Apr 12 j 00:19	11° ♂ 59'40		morning rise	-12036 Feb 26 j 20:17	28° ♂ 02'01	
morning set	-12037 Apr 14 j 22:54	17° ♂ 44'17		direct	-12036 Feb 29 j 01:01	27° ♂ 50'01	
	-12037 Apr 21 j 03:16	0° ♂			-12036 Mar 07 j 01:05	0° ♂	
				morning max el	-12036 Mar 10 j 18:12	2° ♂ 55'15	20°18'34
superior conj	-12037 Apr 23 j 10:00	4° ♂ 27'14	1°28'08		-12036 Mar 28 j 00:22	0° ♂	
minimum elong	-12037 Apr 23 j 06:57	4° ♂ 12'26	1°27'14	asc. node	-12036 Mar 28 j 21:18	1° ♂ 45'27	
max. Earth dist.	-12037 Apr 29 j 14:19	16° ♂ 06'47	1.37951 AU	morning set	-12036 Mar 29 j 02:44	2° ♂ 12'58	
evening rise	-12037 May 03 j 14:43	23° ♂ 19'31					
	-12037 May 07 j 11:36	0° ♂		superior conj	-12036 Apr 05 j 22:59	18° ♂ 13'33	1°08'40
	-12037 May 27 j 02:02	0° ♂		minimum elong	-12036 Apr 05 j 20:13	17° ♂ 59'38	1°07'35
desc. node	-12037 May 30 j 01:12	3° ♂ 57'22		max. Earth dist.	-12036 Apr 10 j 19:33	27° ♂ 49'07	1.36272 AU
evening max el	-12037 Jun 08 j 09:36	14° ♂ 53'10	24°52'14		-12036 Apr 11 j 22:51	0° ♂	
retrograde	-12037 Jun 19 j 23:42	21° ♂ 43'09		evening rise	-12036 Apr 15 j 01:11	5° ♂ 48'20	
evening set	-12037 Jun 25 j 17:33	19° ♂ 12'44			-12036 Apr 29 j 07:38	0° ♂	
min. Earth dist.	-12037 Jun 30 j 05:37	13° ♂ 59'36	0.66901 AU	desc. node	-12036 May 15 j 22:38	22° ♂ 57'23	
inferior conj	-12037 Jul 01 j 00:24	12° ♂ 56'45	-2°15'47	evening max el	-12036 May 20 j 19:34	28° ♂ 15'25	26°03'40
minimum elong	-12037 Jul 01 j 02:38	12° ♂ 49'15	2°15'00		-12036 May 22 j 15:42	0° ♂	
morning rise	-12037 Jul 06 j 11:42	6° ♂ 52'01		retrograde	-12036 Jun 02 j 07:56	5° ♂ 31'10	
asc. node	-12037 Jul 09 j 01:10	5° ♂ 40'03		evening set	-12036 Jun 08 j 15:16	2° ♂ 47'59	
direct	-12037 Jul 10 j 04:29	5° ♂ 32'42			-12036 Jun 11 j 08:06	30° ♂	
morning max el	-12037 Jul 17 j 23:00	10° ♂ 06'32	20°11'53	min. Earth dist.	-12036 Jun 12 j 18:43	28° ♂ 14'13	0.66238 AU
	-12037 Aug 01 j 16:15	0° ♂		inferior conj	-12036 Jun 14 j 02:25	26° ♂ 33'28	-2°48'29
morning set	-12037 Aug 13 j 16:50	18° ♂ 26'42		minimum elong	-12036 Jun 14 j 04:41	26° ♂ 26'16	2°48'03
	-12037 Aug 21 j 01:41	0° ♂		morning rise	-12036 Jun 19 j 18:09	20° ♂ 40'43	
max. Earth dist.	-12037 Aug 25 j 00:52	6° ♂ 18'45	1.43768 AU	direct	-12036 Jun 23 j 02:26	19° ♂ 36'02	
desc. node	-12037 Aug 25 j 22:03	7° ♂ 43'40		asc. node	-12036 Jun 24 j 21:56	19° ♂ 54'10	
				morning max el	-12036 Jun 30 j 03:41	23° ♂ 37'22	19°14'18
superior conj	-12037 Aug 29 j 23:55	14° ♂ 19'43	-0°24'18		-12036 Jul 05 j 08:43	0° ♂	
minimum elong	-12037 Aug 29 j 21:29	14° ♂ 09'47	0°23'20	morning set	-12036 Jul 23 j 03:22	27° ♂ 17'13	
	-12037 Sep 08 j 09:51	0° ♂			-12036 Jul 24 j 20:33	0° ♂	
evening rise	-12037 Sep 12 j 06:45	6° ♂ 36'36		max. Earth dist.	-12036 Aug 06 j 16:22	20° ♂ 16'02	1.44492 AU
	-12037 Sep 26 j 15:44	0° ♂					
evening max el	-12037 Sep 30 j 00:41	4° ♂ 01'53	18°13'28	superior conj	-12036 Aug 08 j 09:19	22° ♂ 58'26	0°20'13
asc. node	-12037 Oct 05 j 01:16	7° ♂ 22'44		minimum elong	-12036 Aug 08 j 11:48	23° ♂ 08'16	0°20'28
retrograde	-12037 Oct 06 j 15:24	7° ♂ 35'50		desc. node	-12036 Aug 11 j 19:17	28° ♂ 24'36	
evening set	-12037 Oct 09 j 07:45	6° ♂ 58'55			-12036 Aug 12 j 19:10	0° ♂	
inferior conj	-12037 Oct 15 j 17:41	1° ♂ 35'21	2°59'26	evening rise	-12036 Aug 23 j 16:08	17° ♂ 35'22	
minimum elong	-12037 Oct 15 j 13:58	1° ♂ 45'18	2°59'02		-12036 Aug 31 j 06:31	0° ♂	
	-12037 Oct 17 j 05:05	30° ♂		evening max el	-12036 Sep 12 j 13:55	17° ♂ 29'49	18°37'36
min. Earth dist.	-12037 Oct 18 j 02:30	29° ♂ 03'21	0.63296 AU	retrograde	-12036 Sep 19 j 06:41	21° ♂ 13'32	
morning rise	-12037 Oct 21 j 19:19	25° ♂ 38'41		asc. node	-12036 Sep 20 j 22:23	20° ♂ 58'14	
direct	-12037 Oct 28 j 19:19	22° ♂ 57'46		evening set	-12036 Sep 22 j 04:51	20° ♂ 25'56	
	-12037 Nov 10 j 21:44	0° ♂		inferior conj	-12036 Sep 28 j 05:22	14° ♂ 46'13	2°10'33
morning max el	-12037 Nov 11 j 10:06	0° ♂ 29'43	27°31'33	minimum elong	-12036 Sep 28 j 02:26	14° ♂ 54'52	2°10'16
desc. node	-12037 Nov 21 j 22:16	12° ♂ 50'56		min. Earth dist.	-12036 Sep 30 j 01:13	12° ♂ 37'08	0.64685 AU
	-12037 Dec 03 j 06:42	0° ♂		morning rise	-12036 Oct 03 j 23:26	8° ♂ 37'55	
morning set	-12037 Dec 15 j 14:02	22° ♂ 33'12		direct	-12036 Oct 10 j 15:18	5° ♂ 54'32	
	-12037 Dec 19 j 05:31	0° ♂		morning max el	-12036 Oct 23 j 19:53	13° ♂ 24'32	27°02'47
max. Earth dist.	-12037 Dec 20 j 22:51	3° ♂ 37'03	1.33491 AU		-12036 Nov 06 j 10:06	0° ♂	
				desc. node	-12036 Nov 07 j 18:57	1° ♂ 57'33	
superior conj	-12037 Dec 23 j 04:50	8° ♂ 24'45	-1°12'58		-12036 Nov 24 j 19:36	0° ♂	
minimum elong	-12037 Dec 23 j 06:54	8° ♂ 35'51	1°12'48	morning set	-12036 Nov 28 j 04:43	6° ♂ 23'32	
evening rise	-12037 Dec 30 j 07:30	23° ♂ 38'12		max. Earth dist.	-12036 Dec 02 j 21:02	15° ♂ 41'20	1.34437 AU
asc. node	-12037 Dec 31 j 23:01	27° ♂ 03'22					
	-12036 Jan 02 j 09:50	0° ♂		superior conj	-12036 Dec 06 j 09:57	23° ♂ 00'44	-1°26'38
	-12036 Jan 22 j 02:15	0° ♂		minimum elong	-12036 Dec 06 j 11:45	23° ♂ 10'13	1°26'24
evening max el	-12036 Jan 22 j 15:20	0° ♂ 31'18	23°19'31		-12036 Dec 09 j 17:23	0° ♂	
retrograde	-12036 Feb 04 j 22:29	6° ♂ 59'09		evening rise	-12036 Dec 13 j 17:51	8° ♂ 27'56	
evening set	-12036 Feb 08 j 15:48	6° ♂ 28'53		asc. node	-12036 Dec 17 j 20:22	16° ♂ 46'41	
min. Earth dist.	-12036 Feb 16 j 03:56	3° ♂ 00'55	0.55879 AU		-12036 Dec 25 j 07:37	0° ♂	
inferior conj	-12036 Feb 17 j 16:53	2° ♂ 06'00	0°04'31	evening max el	-12035 Jan 03 j 11:57	11° ♂ 31'09	21°47'00
minimum elong	-12036 Feb 17 j 17:03	2° ♂ 05'46	0°03'51	retrograde	-12035 Jan 15 j 14:30	17° ♂ 15'26	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening set	-12035 Jan 18 j 14:51	16° \mathbb{M} 55'07		inferior conj	-12034 Jan 07 j 15:06	23° \mathbb{A} 37'03	3°15'33
inferior conj	-12035 Jan 27 j 15:56	12° \mathbb{M} 52'20	1°48'42	minimum elong	-12034 Jan 07 j 20:47	23° \mathbb{A} 28'32	3°14'04
minimum elong	-12035 Jan 27 j 20:20	12° \mathbb{M} 46'04	1°46'54	min. Earth dist.	-12034 Jan 09 j 07:34	22° \mathbb{A} 36'39	0.55888 AU
min. Earth dist.	-12035 Jan 27 j 18:15	12° \mathbb{M} 49'02	0.55453 AU	morning rise	-12034 Jan 16 j 17:42	19° \mathbb{A} 11'31	
desc. node	-12035 Feb 03 j 20:47	9° \mathbb{M} 20'35		direct	-12034 Jan 20 j 09:39	18° \mathbb{A} 41'59	
morning rise	-12035 Feb 06 j 01:50	8° \mathbb{M} 44'59		desc. node	-12034 Jan 21 j 17:31	18° \mathbb{A} 45'59	
direct	-12035 Feb 08 j 17:10	8° \mathbb{M} 29'18		morning max el	-12034 Feb 02 j 20:02	25° \mathbb{A} 19'48	23°14'07
morning max el	-12035 Feb 21 j 00:08	14° \mathbb{M} 24'52	21°39'57		-12034 Feb 07 j 03:19	0° \mathbb{M}	
	-12035 Mar 04 j 14:12	0° \mathbb{A}			-12034 Feb 24 j 23:45	0° \mathbb{A}	
morning set	-12035 Mar 13 j 11:33	17° \mathbb{A} 01'32		morning set	-12034 Feb 25 j 23:10	2° \mathbb{A} 01'39	
asc. node	-12035 Mar 15 j 18:21	21° \mathbb{A} 46'53		asc. node	-12034 Mar 02 j 15:29	11° \mathbb{A} 58'18	
	-12035 Mar 19 j 16:15	0° \mathbb{B}					
superior conj	-12035 Mar 20 j 21:26	2° \mathbb{B} 32'14	0°46'26	superior conj	-12034 Mar 05 j 02:21	17° \mathbb{A} 13'07	0°23'01
minimum elong	-12035 Mar 20 j 19:28	2° \mathbb{B} 22'01	0°45'24	minimum elong	-12034 Mar 05 j 01:23	17° \mathbb{A} 07'58	0°22'09
max. Earth dist.	-12035 Mar 24 j 10:17	9° \mathbb{B} 47'53	1.34898 AU	max. Earth dist.	-12034 Mar 07 j 10:46	22° \mathbb{A} 11'44	1.33870 AU
evening rise	-12035 Mar 29 j 04:38	19° \mathbb{B} 11'29		evening rise	-12034 Mar 12 j 20:13	3° \mathbb{B} 13'19	
	-12035 Apr 04 j 01:03	0° \mathbb{A}			-12034 Mar 27 j 20:55	0° \mathbb{A}	
	-12035 Apr 23 j 08:35	0° \mathbb{H}		evening max el	-12034 Apr 15 j 16:46	24° \mathbb{A} 36'00	27°24'36
desc. node	-12035 May 02 j 20:01	11° \mathbb{H} 07'45		desc. node	-12034 Apr 19 j 17:22	28° \mathbb{A} 07'29	
evening max el	-12035 May 03 j 06:21	11° \mathbb{H} 33'23	26°56'54		-12034 Apr 22 j 11:13	0° \mathbb{H}	
retrograde	-12035 May 16 j 11:06	19° \mathbb{H} 03'23		retrograde	-12034 Apr 29 j 08:46	2° \mathbb{H} 11'07	
evening set	-12035 May 23 j 04:51	16° \mathbb{H} 16'38			-12034 May 05 j 16:28	30° \mathbb{R}	
min. Earth dist.	-12035 May 27 j 01:16	12° \mathbb{H} 21'19	0.65184 AU	evening set	-12034 May 06 j 07:20	29° \mathbb{A} 32'59	
inferior conj	-12035 May 28 j 23:12	10° \mathbb{H} 05'46	-3°12'34	min. Earth dist.	-12034 May 09 j 23:33	26° \mathbb{A} 10'48	0.63731 AU
minimum elong	-12035 May 29 j 00:59	10° \mathbb{H} 00'28	3°12'35	inferior conj	-12034 May 12 j 12:08	23° \mathbb{A} 28'32	-3°25'25
morning rise	-12035 Jun 03 j 21:27	4° \mathbb{H} 27'48		minimum elong	-12034 May 12 j 12:52	23° \mathbb{A} 26'36	3°25'50
direct	-12035 Jun 06 j 22:53	3° \mathbb{H} 35'54		morning rise	-12034 May 18 j 19:15	18° \mathbb{A} 07'36	
asc. node	-12035 Jun 11 j 18:42	5° \mathbb{H} 36'33		direct	-12034 May 21 j 15:10	17° \mathbb{A} 26'46	
morning max el	-12035 Jun 13 j 13:37	7° \mathbb{H} 13'50	18°32'43	morning max el	-12034 May 28 j 02:48	20° \mathbb{A} 51'41	18°08'32
	-12035 Jun 29 j 03:17	0° \mathbb{Y}		asc. node	-12034 May 29 j 15:29	22° \mathbb{A} 31'01	
morning set	-12035 Jul 03 j 11:46	7° \mathbb{Y} 08'44			-12034 Jun 04 j 01:08	0° \mathbb{H}	
	-12035 Jul 17 j 15:15	0° \mathbb{B}		morning set	-12034 Jun 14 j 21:25	18° \mathbb{H} 10'16	
					-12034 Jun 21 j 20:22	0° \mathbb{Y}	
superior conj	-12035 Jul 18 j 09:22	1° \mathbb{B} 12'03	1°03'07	superior conj	-12034 Jun 27 j 22:19	10° \mathbb{Y} 04'38	1°33'38
minimum elong	-12035 Jul 18 j 15:46	1° \mathbb{B} 37'29	1°02'49	minimum elong	-12034 Jun 28 j 03:42	10° \mathbb{Y} 26'38	1°33'22
max. Earth dist.	-12035 Jul 20 j 09:21	4° \mathbb{B} 22'27	1.44512 AU	max. Earth dist.	-12034 Jul 03 j 00:11	18° \mathbb{Y} 17'51	1.43832 AU
desc. node	-12035 Jul 29 j 16:37	19° \mathbb{B} 03'49			-12034 Jul 10 j 09:27	0° \mathbb{B}	
evening rise	-12035 Aug 03 j 22:22	27° \mathbb{B} 19'14		evening rise	-12034 Jul 14 j 05:08	5° \mathbb{B} 57'35	
	-12035 Aug 05 j 15:11	0° \mathbb{II}		desc. node	-12034 Jul 16 j 14:04	9° \mathbb{B} 38'04	
	-12035 Aug 26 j 01:44	0° \mathbb{B}			-12034 Jul 30 j 01:25	0° \mathbb{II}	
evening max el	-12035 Aug 27 j 00:06	0° \mathbb{B} 59'47	19°18'33	evening max el	-12034 Aug 10 j 04:54	14° \mathbb{II} 28'18	20°15'02
retrograde	-12035 Sep 03 j 01:59	5° \mathbb{B} 02'20		retrograde	-12034 Aug 17 j 22:47	18° \mathbb{II} 58'50	
evening set	-12035 Sep 06 j 08:14	4° \mathbb{B} 00'51		evening set	-12034 Aug 21 j 15:17	17° \mathbb{II} 40'17	
asc. node	-12035 Sep 07 j 19:26	2° \mathbb{B} 54'17		asc. node	-12034 Aug 25 j 16:25	13° \mathbb{II} 29'06	
	-12035 Sep 10 j 13:06	30° \mathbb{R} \mathbb{II}		inferior conj	-12034 Aug 27 j 02:16	11° \mathbb{II} 37'56	0°26'38
inferior conj	-12035 Sep 12 j 01:02	28° \mathbb{II} 08'13	1°18'42	minimum elong	-12034 Aug 27 j 01:39	11° \mathbb{II} 39'58	0°27'02
minimum elong	-12035 Sep 11 j 23:14	28° \mathbb{II} 13'56	1°18'44	min. Earth dist.	-12034 Aug 27 j 22:34	10° \mathbb{II} 30'08	0.66551 AU
min. Earth dist.	-12035 Sep 13 j 08:37	26° \mathbb{II} 28'08	0.65769 AU	morning rise	-12034 Sep 01 j 11:47	5° \mathbb{II} 17'15	
morning rise	-12035 Sep 17 j 13:52	21° \mathbb{II} 51'45		direct	-12034 Sep 07 j 01:12	2° \mathbb{II} 55'19	
direct	-12035 Sep 23 j 17:21	19° \mathbb{II} 15'55		morning max el	-12034 Sep 18 j 16:12	9° \mathbb{II} 50'34	24°54'21
morning max el	-12035 Oct 06 j 06:15	26° \mathbb{II} 34'43	26°07'40		-12034 Oct 04 j 17:05	0° \mathbb{B}	
	-12035 Oct 09 j 11:41	0° \mathbb{B}		desc. node	-12034 Oct 12 j 12:29	11° \mathbb{B} 41'10	
desc. node	-12035 Oct 25 j 15:39	21° \mathbb{B} 37'24			-12034 Oct 23 j 14:55	0° \mathbb{B}	
	-12035 Oct 31 j 00:03	0° \mathbb{B}		morning set	-12034 Oct 24 j 13:10	1° \mathbb{B} 37'35	
morning set	-12035 Nov 11 j 06:03	19° \mathbb{B} 29'22		max. Earth dist.	-12034 Oct 28 j 10:56	8° \mathbb{B} 39'15	1.37562 AU
max. Earth dist.	-12035 Nov 15 j 08:40	27° \mathbb{B} 16'47	1.35810 AU				
	-12035 Nov 16 j 18:05	0° \mathbb{H}		superior conj	-12034 Nov 03 j 21:13	20° \mathbb{B} 49'55	-1°37'58
superior conj	-12035 Nov 20 j 08:27	7° \mathbb{H} 12'05	-1°35'30	minimum elong	-12034 Nov 03 j 20:51	20° \mathbb{B} 48'10	1°37'29
minimum elong	-12035 Nov 20 j 09:28	7° \mathbb{H} 17'15	1°35'10		-12034 Nov 08 j 12:21	0° \mathbb{H}	
evening rise	-12035 Nov 28 j 01:31	23° \mathbb{H} 04'20		evening rise	-12034 Nov 12 j 04:35	7° \mathbb{H} 21'57	
	-12035 Dec 01 j 12:17	0° \mathbb{B}		asc. node	-12034 Nov 21 j 15:06	24° \mathbb{H} 54'34	
asc. node	-12035 Dec 04 j 17:44	6° \mathbb{B} 06'31			-12034 Nov 25 j 00:51	0° \mathbb{B}	
evening max el	-12035 Dec 16 j 16:29	22° \mathbb{B} 56'34	20°25'16	evening max el	-12034 Nov 29 j 07:20	4° \mathbb{B} 56'27	19°20'52
retrograde	-12035 Dec 27 j 06:27	27° \mathbb{B} 54'42		retrograde	-12034 Dec 08 j 09:18	9° \mathbb{B} 15'01	
evening set	-12035 Dec 29 j 22:18	27° \mathbb{B} 37'11		evening set	-12034 Dec 10 j 21:49	8° \mathbb{B} 56'35	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

inferior conj	-12034 Dec 19 j 02:41	4° Ω 45'02	4°05'19	evening max el	-12033 Nov 12 j 07:51	17° \cap 28'19	18°36'25
minimum elong	-12034 Dec 19 j 05:42	4° Ω 39'57	4°04'59	retrograde	-12033 Nov 20 j 05:14	21° \cap 19'31	
min. Earth dist.	-12034 Dec 21 j 21:17	2° Ω 53'52	0.57076 AU	evening set	-12033 Nov 22 j 16:41	20° \cap 58'06	
morning rise	-12034 Dec 27 j 11:26	29° \cap 55'04		inferior conj	-12033 Nov 30 j 08:45	16° \cap 27'02	4°16'53
	-12034 Dec 27 j 06:17	30° \cap		minimum elong	-12033 Nov 30 j 08:04	16° \cap 28'22	4°17'03
direct	-12033 Jan 01 j 12:02	28° \cap 57'01		min. Earth dist.	-12033 Dec 03 j 13:30	13° \cap 59'53	0.58752 AU
	-12033 Jan 06 j 17:14	0° Ω		morning rise	-12033 Dec 07 j 21:35	11° \cap 14'49	
desc. node	-12033 Jan 08 j 14:12	0° Ω 52'09		direct	-12033 Dec 14 j 02:20	9° \cap 39'14	
morning max el	-12033 Jan 15 j 10:56	6° Ω 01'00	24°50'07	desc. node	-12033 Dec 26 j 10:50	15° \cap 23'17	
	-12033 Feb 01 j 17:47	0° \cap		morning max el	-12033 Dec 28 j 03:21	16° \cap 55'41	26°13'20
morning set	-12033 Feb 10 j 11:42	17° \cap 06'29			-12032 Jan 07 j 22:44	0° Ω	
	-12033 Feb 16 j 11:45	0° \mathscr{A}			-12032 Jan 24 j 22:31	0° \cap	
				morning set	-12032 Jan 25 j 23:22	2° \cap 09'14	
superior conj	-12033 Feb 17 j 11:25	2° \mathscr{A} 08'19	-0°00'31	superior conj	-12032 Feb 01 j 22:44	17° \cap 10'59	-0°23'14
minimum elong	-12033 Feb 17 j 11:28	2° \mathscr{A} 08'35	0°01'06	minimum elong	-12032 Feb 01 j 23:41	17° \cap 16'07	0°23'33
behind sun begin	-12033 Feb 17 j 06:24	1° \mathscr{A} 41'08		max. Earth dist.	-12032 Feb 02 j 07:26	17° \cap 58'26	1.32834 AU
behind sun end	-12033 Feb 17 j 16:32	2° \mathscr{A} 36'02		asc. node	-12032 Feb 04 j 09:57	22° \cap 33'16	
asc. node	-12033 Feb 17 j 12:42	2° \mathscr{A} 15'18			-12032 Feb 07 j 21:34	0° \mathscr{A}	
max. Earth dist.	-12033 Feb 18 j 18:54	4° \mathscr{A} 58'24	1.33187 AU	evening rise	-12032 Feb 09 j 02:05	2° \mathscr{A} 28'43	
evening rise	-12033 Feb 24 j 20:17	17° \mathscr{A} 42'15			-12032 Feb 24 j 03:50	0° \mathscr{B}	
	-12033 Mar 03 j 04:12	0° \mathscr{B}		evening max el	-12032 Mar 10 j 04:29	19° \mathscr{B} 14'31	26°45'33
	-12033 Mar 22 j 12:38	0° \approx		desc. node	-12032 Mar 23 j 11:44	26° \mathscr{B} 38'22	
evening max el	-12033 Mar 29 j 00:49	7° \approx 12'28	27°21'28	retrograde	-12032 Mar 24 j 07:14	26° \mathscr{B} 40'05	
desc. node	-12033 Apr 06 j 14:37	13° \approx 28'47		evening set	-12032 Mar 30 j 13:53	24° \mathscr{B} 56'22	
retrograde	-12033 Apr 11 j 23:59	14° \approx 45'41		min. Earth dist.	-12032 Apr 03 j 17:52	22° \mathscr{B} 05'43	0.59968 AU
evening set	-12033 Apr 18 j 19:22	12° \approx 29'39		inferior conj	-12032 Apr 07 j 01:46	19° \mathscr{B} 19'52	-3°00'31
min. Earth dist.	-12033 Apr 22 j 12:56	9° \approx 30'06	0.61943 AU	minimum elong	-12032 Apr 06 j 23:05	19° \mathscr{B} 25'30	3°00'47
inferior conj	-12033 Apr 25 j 14:11	6° \approx 35'47	-3°23'11	morning rise	-12032 Apr 14 j 10:50	14° \mathscr{B} 37'16	
minimum elong	-12033 Apr 25 j 13:17	6° \approx 37'57	3°23'44	direct	-12032 Apr 16 j 21:47	14° \mathscr{B} 14'01	
morning rise	-12033 May 02 j 08:50	1° \approx 33'32		morning max el	-12032 Apr 24 j 04:36	17° \mathscr{B} 47'23	18°15'26
direct	-12033 May 05 j 00:03	1° \approx 02'14		asc. node	-12032 May 02 j 09:11	28° \mathscr{B} 58'06	
morning max el	-12033 May 11 j 16:42	4° \approx 25'11	18°02'32		-12032 May 02 j 23:49	0° \approx	
asc. node	-12033 May 16 j 12:19	10° \approx 22'23		morning set	-12032 May 10 j 06:52	13° \approx 15'23	
morning set	-12033 May 28 j 05:20	0° \mathscr{H} 15'46			-12032 May 19 j 07:37	0° \mathscr{H}	
	-12033 May 28 j 01:49	0° \mathscr{H}					
superior conj	-12033 Jun 08 j 12:47	20° \mathscr{H} 12'11	1°47'44	superior conj	-12032 May 20 j 05:27	1° \mathscr{H} 38'33	1°47'37
minimum elong	-12033 Jun 08 j 14:27	20° \mathscr{H} 19'21	1°47'34	minimum elong	-12032 May 20 j 04:05	1° \mathscr{H} 32'24	1°47'14
	-12033 Jun 14 j 08:40	0° \mathscr{Y}		max. Earth dist.	-12032 May 27 j 14:36	14° \mathscr{H} 33'27	1.40882 AU
max. Earth dist.	-12033 Jun 15 j 10:03	1° \mathscr{Y} 44'27	1.42563 AU	evening rise	-12032 Jun 01 j 23:17	23° \mathscr{H} 29'20	
evening rise	-12033 Jun 23 j 05:54	14° \mathscr{Y} 18'51			-12032 Jun 06 j 00:24	0° \mathscr{Y}	
desc. node	-12033 Jul 03 j 11:34	0° \mathscr{B} 02'59		desc. node	-12032 Jun 19 j 09:05	20° \mathscr{Y} 14'07	
	-12033 Jul 03 j 10:46	0° \mathscr{B}			-12032 Jun 26 j 09:33	0° \mathscr{B}	
evening max el	-12033 Jul 24 j 02:51	27° \mathscr{B} 52'28	21°24'50	evening max el	-12032 Jul 05 j 18:18	11° \mathscr{B} 13'30	22°43'53
	-12033 Jul 26 j 09:30	0° \cap		retrograde	-12032 Jul 15 j 13:03	17° \mathscr{B} 01'38	
retrograde	-12033 Aug 01 j 18:59	2° \cap 59'16		evening set	-12032 Jul 20 j 07:52	15° \mathscr{B} 01'53	
evening set	-12033 Aug 05 j 23:49	1° \cap 20'53		inferior conj	-12032 Jul 25 j 13:07	8° \mathscr{B} 48'25	-1°11'04
	-12033 Aug 07 j 11:05	30° \cap		minimum elong	-12032 Jul 25 j 14:31	8° \mathscr{B} 43'35	1°10'08
inferior conj	-12033 Aug 11 j 06:54	25° \mathscr{B} 11'43	-0°23'49	min. Earth dist.	-12032 Jul 25 j 12:15	8° \mathscr{B} 51'24	0.67243 AU
minimum elong	-12033 Aug 11 j 07:24	25° \mathscr{B} 10'02	0°23'04	asc. node	-12032 Jul 29 j 10:12	3° \mathscr{B} 52'54	
min. Earth dist.	-12033 Aug 11 j 16:37	24° \mathscr{B} 38'22	0.67042 AU	morning rise	-12032 Jul 30 j 21:04	2° \mathscr{B} 31'17	
asc. node	-12033 Aug 12 j 13:20	23° \mathscr{B} 27'50		direct	-12032 Aug 04 j 07:15	0° \mathscr{B} 44'58	
morning rise	-12033 Aug 16 j 14:49	18° \mathscr{B} 50'53		morning max el	-12032 Aug 13 j 15:37	6° \mathscr{B} 22'01	22°08'21
direct	-12033 Aug 21 j 14:08	16° \mathscr{B} 46'14			-12032 Aug 31 j 14:21	0° \cap	
morning max el	-12033 Sep 01 j 02:26	23° \mathscr{B} 05'45	23°31'43	morning set	-12032 Sep 15 j 01:37	22° \cap 12'49	
	-12033 Sep 07 j 03:19	0° \cap		desc. node	-12032 Sep 15 j 06:24	22° \cap 31'58	
	-12033 Sep 28 j 02:44	0° \mathscr{D}			-12032 Sep 19 j 20:34	0° \mathscr{D}	
desc. node	-12033 Sep 29 j 09:24	2° \mathscr{D} 01'04		max. Earth dist.	-12032 Sep 21 j 11:04	2° \mathscr{D} 39'52	1.41462 AU
morning set	-12033 Oct 05 j 20:37	12° \mathscr{D} 33'34					
max. Earth dist.	-12033 Oct 10 j 09:20	20° \mathscr{D} 17'43	1.39532 AU	superior conj	-12032 Sep 28 j 23:29	15° \mathscr{D} 33'26	-1°15'26
	-12033 Oct 15 j 19:52	0° Ω		minimum elong	-12032 Sep 28 j 19:38	15° \mathscr{D} 16'28	1°14'24
					-12032 Oct 06 j 23:16	0° Ω	
superior conj	-12033 Oct 17 j 20:00	3° Ω 41'42	-1°32'02	evening rise	-12032 Oct 09 j 10:06	4° Ω 31'53	
minimum elong	-12033 Oct 17 j 17:48	3° Ω 31'33	1°31'18	asc. node	-12032 Oct 25 j 09:40	0° \cap 10'11	
evening rise	-12033 Oct 27 j 00:29	21° Ω 13'33			-12032 Oct 25 j 05:43	0° \cap	
	-12033 Oct 31 j 15:15	0° \cap		evening max el	-12032 Oct 25 j 15:43	0° \cap 25'21	18°12'12
asc. node	-12033 Nov 08 j 12:25	13° \cap 00'01		retrograde	-12032 Nov 01 j 18:16	4° \cap 01'53	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening set	-12032 Nov 04 j 06:08	3° \mathbb{M} 35'59		evening max el	-12031 Oct 09 j 03:59	13° \mathcal{Q} 39'55	18°07'36
	-12032 Nov 09 j 22:22	30° $\mathcal{R}\mathcal{Q}$		asc. node	-12031 Oct 12 j 06:52	16° \mathcal{Q} 09'45	
inferior conj	-12032 Nov 11 j 09:41	28° \mathcal{Q} 43'01	3°59'49	retrograde	-12031 Oct 15 j 20:50	17° \mathcal{Q} 12'26	
minimum elong	-12032 Nov 11 j 06:36	28° \mathcal{Q} 49'52	3°59'47	evening set	-12031 Oct 18 j 10:52	16° \mathcal{Q} 40'16	
min. Earth dist.	-12032 Nov 14 j 11:31	25° \mathcal{Q} 59'58	0.60601 AU	inferior conj	-12031 Oct 25 j 02:50	11° \mathcal{Q} 26'53	3°24'43
morning rise	-12032 Nov 18 j 05:41	23° \mathcal{Q} 11'23		minimum elong	-12031 Oct 24 j 23:00	11° \mathcal{Q} 36'32	3°24'23
direct	-12032 Nov 25 j 02:42	21° \mathcal{Q} 01'29		min. Earth dist.	-12031 Oct 27 j 18:37	8° \mathcal{Q} 46'42	0.62368 AU
morning max el	-12032 Dec 09 j 01:41	28° \mathcal{Q} 25'03	27°10'22	morning rise	-12031 Oct 31 j 10:06	5° \mathcal{Q} 38'20	
	-12032 Dec 10 j 15:44	0° \mathbb{M}		direct	-12031 Nov 07 j 11:33	3° \mathcal{Q} 05'07	
desc. node	-12032 Dec 12 j 07:27	1° \mathbb{M} 46'32		morning max el	-12031 Nov 21 j 06:26	10° \mathcal{Q} 34'56	27°33'52
	-12032 Dec 31 j 13:09	0° \mathcal{Q}		desc. node	-12031 Nov 29 j 04:04	19° \mathcal{Q} 31'11	
morning set	-12031 Jan 09 j 08:17	17° \mathcal{Q} 02'56			-12031 Dec 06 j 15:50	0° \mathbb{M}	
	-12031 Jan 15 j 09:55	0° \mathbb{M}			-12031 Dec 23 j 16:28	0° \mathcal{Q}	
				morning set	-12031 Dec 24 j 12:20	1° \mathcal{Q} 40'15	
superior conj	-12031 Jan 16 j 10:35	2° \mathbb{M} 14'31	-0°44'26	max. Earth dist.	-12031 Dec 30 j 07:11	13° \mathcal{Q} 47'39	1.33137 AU
minimum elong	-12031 Jan 16 j 12:12	2° \mathbb{M} 23'24	0°44'31				
max. Earth dist.	-12031 Jan 15 j 20:47	0° \mathbb{M} 59'15	1.32813 AU	superior conj	-12031 Dec 31 j 21:18	17° \mathcal{Q} 13'15	-1°03'24
asc. node	-12031 Jan 21 j 07:13	12° \mathbb{M} 47'57		minimum elong	-12031 Dec 31 j 23:19	17° \mathcal{Q} 24'08	1°03'18
evening rise	-12031 Jan 23 j 11:26	17° \mathbb{M} 24'37			-12030 Jan 06 j 19:22	0° \mathbb{M}	
	-12031 Jan 29 j 19:02	0° \mathcal{X}		evening rise	-12030 Jan 07 j 22:30	2° \mathbb{M} 23'24	
	-12031 Feb 19 j 10:19	0° \mathcal{Z}		asc. node	-12030 Jan 08 j 04:32	2° \mathbb{M} 55'02	
evening max el	-12031 Feb 20 j 02:28	0° \mathcal{Z} 39'14	25°39'50		-12030 Jan 23 j 05:13	0° \mathcal{X}	
retrograde	-12031 Mar 06 j 04:12	7° \mathcal{Z} 51'05		evening max el	-12030 Feb 01 j 20:09	11° \mathcal{X} 37'00	24°13'24
desc. node	-12031 Mar 10 j 08:46	7° \mathcal{Z} 08'50		retrograde	-12030 Feb 15 j 13:25	18° \mathcal{X} 25'27	
evening set	-12031 Mar 11 j 13:23	6° \mathcal{Z} 41'51		evening set	-12030 Feb 19 j 20:42	17° \mathcal{X} 44'04	
min. Earth dist.	-12031 Mar 16 j 15:50	3° \mathcal{Z} 46'21	0.58049 AU	desc. node	-12030 Feb 25 j 05:41	15° \mathcal{X} 13'13	
inferior conj	-12031 Mar 19 j 19:19	1° \mathcal{Z} 31'01	-2°11'13	min. Earth dist.	-12030 Feb 26 j 09:25	14° \mathcal{X} 31'21	0.56492 AU
minimum elong	-12031 Mar 19 j 15:46	1° \mathcal{Z} 37'27	2°11'04	inferior conj	-12030 Feb 28 j 17:04	13° \mathcal{X} 03'54	-0°52'10
	-12031 Mar 21 j 23:14	30° $\mathcal{R}\mathcal{X}$		minimum elong	-12030 Feb 28 j 15:04	13° \mathcal{X} 07'04	0°52'13
morning rise	-12031 Mar 27 j 21:19	27° \mathcal{X} 07'47		morning rise	-12030 Mar 09 j 12:22	8° \mathcal{X} 56'03	
direct	-12031 Mar 30 j 04:05	26° \mathcal{X} 51'00		direct	-12030 Mar 11 j 16:17	8° \mathcal{X} 43'26	
	-12031 Apr 06 j 13:54	0° \mathcal{Z}		morning max el	-12030 Mar 21 j 10:35	13° \mathcal{X} 20'12	19°39'56
morning max el	-12031 Apr 07 j 11:32	0° \mathcal{Z} 48'40	18°47'49		-12030 Apr 02 j 02:10	0° \mathcal{Z}	
asc. node	-12031 Apr 19 j 06:05	18° \mathcal{Z} 07'09		asc. node	-12030 Apr 06 j 03:02	7° \mathcal{Z} 41'34	
morning set	-12031 Apr 23 j 21:24	26° \mathcal{Z} 57'04		morning set	-12030 Apr 07 j 21:14	11° \mathcal{Z} 11'05	
	-12031 Apr 25 j 10:59	0° \approx					
				superior conj	-12030 Apr 16 j 01:23	27° \mathcal{Z} 34'05	1°20'20
superior conj	-12031 May 02 j 19:26	14° \approx 10'44	1°37'18	minimum elong	-12030 Apr 15 j 22:22	27° \mathcal{Z} 19'13	1°19'21
minimum elong	-12031 May 02 j 16:37	13° \approx 57'24	1°36'33		-12030 Apr 17 j 07:08	0° \approx	
max. Earth dist.	-12031 May 09 j 15:25	26° \approx 42'54	1.39012 AU	max. Earth dist.	-12030 Apr 21 j 16:55	8° \approx 26'08	1.37202 AU
	-12031 May 11 j 12:06	0° \mathcal{H}		evening rise	-12030 Apr 25 j 17:45	15° \approx 50'04	
evening rise	-12031 May 13 j 19:39	4° \mathcal{H} 00'14			-12030 May 03 j 23:44	0° \mathcal{H}	
	-12031 May 30 j 04:06	0° \mathcal{Y}		desc. node	-12030 May 24 j 04:02	29° \mathcal{H} 26'38	
desc. node	-12031 Jun 06 j 06:34	10° \mathcal{Y} 04'50			-12030 May 24 j 14:45	0° \mathcal{Y}	
evening max el	-12031 Jun 18 j 05:16	24° \mathcal{Y} 33'21	24°06'17	evening max el	-12030 May 31 j 14:44	7° \mathcal{Y} 54'15	25°24'13
	-12031 Jun 25 j 04:43	0° \mathcal{B}		retrograde	-12030 Jun 12 j 14:53	14° \mathcal{Y} 56'55	
retrograde	-12031 Jun 29 j 03:56	1° \mathcal{B} 02'21		evening set	-12030 Jun 18 j 14:50	12° \mathcal{Y} 19'49	
	-12031 Jul 02 j 19:07	30° $\mathcal{R}\mathcal{Y}$		min. Earth dist.	-12030 Jun 22 j 22:58	7° \mathcal{Y} 23'36	0.66667 AU
evening set	-12031 Jul 04 j 13:32	28° \mathcal{Y} 41'58		inferior conj	-12030 Jun 23 j 23:10	6° \mathcal{Y} 04'09	-2°30'36
inferior conj	-12031 Jul 09 j 19:08	22° \mathcal{Y} 26'21	-1°53'47	minimum elong	-12030 Jun 24 j 01:28	5° \mathcal{Y} 56'35	2°29'57
minimum elong	-12031 Jul 09 j 21:10	22° \mathcal{Y} 19'27	1°52'53	morning rise	-12030 Jun 29 j 12:09	0° \mathcal{Y} 04'26	
min. Earth dist.	-12031 Jul 09 j 07:08	23° \mathcal{Y} 07'17	0.67128 AU		-12030 Jun 29 j 14:46	30° $\mathcal{R}\mathcal{H}$	
morning rise	-12031 Jul 15 j 04:45	16° \mathcal{Y} 16'25		direct	-12030 Jul 03 j 01:02	28° \mathcal{H} 51'45	
asc. node	-12031 Jul 16 j 07:01	15° \mathcal{Y} 33'42		asc. node	-12030 Jul 03 j 03:48	28° \mathcal{H} 51'50	
direct	-12031 Jul 19 j 03:21	14° \mathcal{Y} 47'46			-12030 Jul 06 j 15:50	0° \mathcal{Y}	
morning max el	-12031 Jul 27 j 10:18	19° \mathcal{Y} 42'59	20°51'17	morning max el	-12030 Jul 10 j 11:30	3° \mathcal{Y} 10'42	19°45'36
	-12031 Aug 04 j 17:15	0° \mathcal{B}			-12030 Jul 29 j 12:01	0° \mathcal{B}	
	-12031 Aug 24 j 19:43	0° \mathbb{I}		morning set	-12030 Aug 04 j 13:42	9° \mathcal{B} 26'48	
morning set	-12031 Aug 25 j 09:46	0° \mathbb{I} 54'45		max. Earth dist.	-12030 Aug 17 j 08:28	29° \mathcal{B} 33'52	1.44155 AU
desc. node	-12031 Sep 02 j 03:31	13° \mathbb{I} 09'41			-12030 Aug 17 j 15:01	0° \mathbb{I}	
max. Earth dist.	-12031 Sep 03 j 19:10	15° \mathbb{I} 49'41	1.43074 AU	desc. node	-12030 Aug 20 j 00:44	3° \mathbb{I} 50'31	
superior conj	-12031 Sep 10 j 01:56	26° \mathbb{I} 10'13	-0°46'27	superior conj	-12030 Aug 21 j 00:43	5° \mathbb{I} 26'49	-0°06'00
minimum elong	-12031 Sep 09 j 22:02	25° \mathbb{I} 53'56	0°45'18	minimum elong	-12030 Aug 21 j 00:07	5° \mathbb{I} 24'22	0°05'17
	-12031 Sep 12 j 08:30	0° \mathcal{G}		behind sun begin	-12030 Aug 20 j 13:43	4° \mathbb{I} 42'36	
evening rise	-12031 Sep 22 j 05:16	17° \mathcal{G} 07'05		behind sun end	-12030 Aug 21 j 10:30	6° \mathbb{I} 06'12	
	-12031 Sep 29 j 14:20	0° \mathcal{Q}		evening rise	-12030 Sep 04 j 04:41	28° \mathbb{I} 45'37	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12030 Sep 04 j 22:24	0°☿				-12029 Aug 29 j 05:15	0°☿		
evening max el	-12030 Sep 22 j 17:40	27°☿04'33	18°21'34		evening max el	-12029 Sep 06 j 05:59	10°☿34'37	18°53'02	
	-12030 Sep 26 j 12:51	0°♌			retrograde	-12029 Sep 13 j 01:54	14°☿25'21		
retrograde	-12030 Sep 29 j 08:34	0°♌42'02			evening set	-12029 Sep 16 j 03:09	13°☿32'26		
asc. node	-12030 Sep 29 j 04:02	0°♌41'51			asc. node	-12029 Sep 16 j 01:08	13°☿35'17		
evening set	-12030 Oct 02 j 03:00	0°♌01'05			inferior conj	-12029 Sep 22 j 00:11	7°☿47'06	1°48'48	
	-12030 Oct 02 j 03:53	30°♋☿			minimum elong	-12029 Sep 21 j 21:42	7°☿54'39	1°48'36	
inferior conj	-12030 Oct 08 j 08:43	24°☿30'09	2°39'18		min. Earth dist.	-12029 Sep 23 j 14:49	5°☿49'27	0.65184 AU	
minimum elong	-12030 Oct 08 j 05:16	24°☿39'49	2°38'55		morning rise	-12029 Sep 27 j 15:45	1°☿34'41		
min. Earth dist.	-12030 Oct 10 j 12:00	22°☿06'46	0.63917 AU			-12029 Sep 29 j 22:11	30°♋☿		
morning rise	-12030 Oct 14 j 06:46	18°☿27'49			direct	-12029 Oct 04 j 02:46	28°♊53'10		
direct	-12030 Oct 21 j 03:50	15°☿44'27				-12029 Oct 08 j 15:59	0°☿		
morning max el	-12030 Nov 03 j 15:16	23°☿17'14	27°23'01		morning max el	-12029 Oct 17 j 01:31	6°☿20'28	26°42'00	
	-12030 Nov 09 j 17:49	0°♌			desc. node	-12029 Nov 02 j 21:24	27°☿35'23		
desc. node	-12030 Nov 16 j 00:42	8°♌12'53				-12029 Nov 04 j 12:04	0°♌		
	-12030 Nov 29 j 20:33	0°♍			morning set	-12029 Nov 21 j 18:26	29°♌24'24		
morning set	-12030 Dec 08 j 08:51	15°♍51'01				-12029 Nov 22 j 01:55	0°♍		
max. Earth dist.	-12030 Dec 13 j 10:44	26°♍10'00	1.33841 AU		max. Earth dist.	-12029 Nov 26 j 04:14	8°♍00'01	1.34970 AU	
	-12030 Dec 15 j 06:31	0°♎							
					superior conj	-12029 Nov 30 j 07:42	16°♍26'23	-1°31'06	
superior conj	-12030 Dec 16 j 05:03	1°♎59'31	-1°19'18		minimum elong	-12029 Nov 30 j 09:15	16°♍34'22	1°30'48	
minimum elong	-12030 Dec 16 j 07:04	2°♎10'15	1°19'05			-12029 Dec 06 j 19:21	0°♎		
evening rise	-12030 Dec 23 j 09:33	17°♎17'54			evening rise	-12029 Dec 07 j 18:59	2°♎02'35		
asc. node	-12030 Dec 26 j 01:51	22°♎48'40			asc. node	-12029 Dec 12 j 23:13	12°♎22'55		
	-12030 Dec 29 j 18:36	0°♏				-12029 Dec 24 j 03:41	0°♏		
evening max el	-12029 Jan 14 j 14:02	22°♏29'02	22°39'22		evening max el	-12029 Dec 27 j 13:40	3°♏38'35	21°10'24	
retrograde	-12029 Jan 27 j 10:54	28°♏40'06			retrograde	-12028 Jan 08 j 01:18	9°♏02'34		
evening set	-12029 Jan 30 j 19:36	28°♏15'20			evening set	-12028 Jan 10 j 20:57	8°♏44'15		
min. Earth dist.	-12029 Feb 08 j 00:52	24°♏32'54	0.55591 AU		inferior conj	-12028 Jan 19 j 19:20	4°♏45'02	2°29'13	
inferior conj	-12029 Feb 08 j 21:53	24°♏02'28	0°49'01		minimum elong	-12028 Jan 20 j 00:49	4°♏37'08	2°27'22	
minimum elong	-12029 Feb 08 j 23:57	23°♏59'29	0°47'48		min. Earth dist.	-12028 Jan 20 j 15:00	4°♏16'44	0.55538 AU	
desc. node	-12029 Feb 12 j 02:31	22°♏15'25			morning rise	-12028 Jan 29 j 03:46	0°♏30'54		
morning rise	-12029 Feb 18 j 05:34	19°♏59'02			desc. node	-12028 Jan 29 j 23:18	0°♏21'37		
direct	-12029 Feb 20 j 12:52	19°♏46'30			direct	-12028 Feb 01 j 03:57	0°♏10'51		
morning max el	-12029 Mar 03 j 23:12	25°♏13'32	20°51'15		morning max el	-12028 Feb 14 j 00:28	6°♏26'50	22°18'53	
	-12029 Mar 08 j 05:58	0°♐				-12028 Mar 01 j 05:04	0°♐		
morning set	-12029 Mar 23 j 03:26	25°♐48'50			morning set	-12028 Mar 06 j 13:39	10°♐42'47		
asc. node	-12029 Mar 24 j 00:02	27°♐34'33			asc. node	-12028 Mar 09 j 21:07	17°♐40'38		
	-12029 Mar 25 j 04:13	0°♑							
					superior conj	-12028 Mar 13 j 20:18	26°♐04'26	0°36'34	
superior conj	-12029 Mar 30 j 18:49	11°♑35'31	0°59'28		minimum elong	-12028 Mar 13 j 18:44	25°♐56'16	0°35'35	
minimum elong	-12029 Mar 30 j 16:21	11°♑22'55	0°58'24			-12028 Mar 15 j 17:20	0°♑		
max. Earth dist.	-12029 Apr 04 j 01:25	20°♑11'02	1.35640 AU		max. Earth dist.	-12028 Mar 16 j 20:18	2°♑19'25	1.34419 AU	
evening rise	-12029 Apr 08 j 12:05	28°♑43'54			evening rise	-12028 Mar 21 j 21:12	12°♑25'14		
	-12029 Apr 09 j 04:23	0°♒				-12028 Mar 31 j 12:20	0°♒		
	-12029 Apr 27 j 04:46	0°♒				-12028 Apr 21 j 07:10	0°♒		
desc. node	-12029 May 11 j 01:28	18°♒07'46			evening max el	-12028 Apr 25 j 11:53	4°♒28'26	27°12'21	
evening max el	-12029 May 14 j 00:55	21°♒15'15	26°29'03		desc. node	-12028 Apr 26 j 22:51	5°♒51'05		
retrograde	-12029 May 26 j 21:18	28°♒39'23			retrograde	-12028 May 08 j 22:17	12°♒01'45		
evening set	-12029 Jun 02 j 09:28	25°♒53'13			evening set	-12028 May 15 j 18:43	9°♒17'20		
min. Earth dist.	-12029 Jun 06 j 09:36	21°♒36'07	0.65829 AU		min. Earth dist.	-12028 May 19 j 12:57	5°♒36'45	0.64603 AU	
inferior conj	-12029 Jun 07 j 23:16	19°♒39'42	-2°59'56		inferior conj	-12028 May 21 j 17:04	3°♒08'40	-3°19'38	
minimum elong	-12029 Jun 08 j 01:24	19°♒33'05	2°59'41		minimum elong	-12028 May 21 j 18:29	3°♒04'38	3°19'51	
morning rise	-12029 Jun 13 j 17:30	13°♒52'56				-12028 May 24 j 15:29	30°♒☿		
direct	-12029 Jun 16 j 22:34	12°♒54'06			morning rise	-12028 May 27 j 18:45	27°♒37'24		
asc. node	-12029 Jun 20 j 00:35	13°♒45'21			direct	-12028 May 30 j 17:39	26°♒50'25		
morning max el	-12029 Jun 23 j 18:42	16°♒44'45	18°54'36		asc. node	-12028 Jun 05 j 21:22	0°♒00'04		
	-12029 Jul 03 j 14:33	0°♓				-12028 Jun 05 j 21:20	0°♒		
morning set	-12029 Jul 15 j 08:29	18°♓40'37			morning max el	-12028 Jun 06 j 06:13	0°♒21'51	18°20'14	
	-12029 Jul 22 j 10:37	0°♈			morning set	-12028 Jun 25 j 03:41	29°♒01'42		
						-12028 Jun 25 j 17:39	0°♓		
superior conj	-12029 Jul 31 j 03:39	13°♈48'20	0°39'20						
minimum elong	-12029 Jul 31 j 08:15	14°♈06'35	0°39'16		superior conj	-12028 Jul 09 j 06:39	22°♓11'10	1°18'01	
max. Earth dist.	-12029 Jul 31 j 00:34	13°♈36'08	1.44579 AU		minimum elong	-12028 Jul 09 j 13:13	22°♓37'29	1°17'40	
desc. node	-12029 Aug 06 j 22:03	24°♈31'41			max. Earth dist.	-12028 Jul 12 j 16:42	27°♓38'52	1.44301 AU	
	-12029 Aug 10 j 08:33	0°♉				-12028 Jul 14 j 04:15	0°♈		
evening rise	-12029 Aug 16 j 02:51	9°♉13'44			desc. node	-12028 Jul 23 j 19:28	15°♈09'23		

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening rise	-12028 Jul 25 j 21:47	18° ♄ 25'54				-12027 Jul 07 j 00:22	0° ♄		
	-12028 Aug 02 j 08:28	0° ♄		desc. node		-12027 Jul 10 j 16:57	5° ♄ 40'16		
greatest brilliancy	-12028 Aug 06 j 08:05	6° ♄ 06'23	-0.7m			-12027 Jul 27 j 09:20	0° ♄		
evening max el	-12028 Aug 19 j 14:12	24° ♄ 04'42	19°40'51	evening max el		-12027 Aug 02 j 16:15	7° ♄ 31'39	20°43'18	
retrograde	-12028 Aug 26 j 21:59	28° ♄ 17'41		retrograde		-12027 Aug 10 j 18:40	12° ♄ 16'14		
evening set	-12028 Aug 30 j 08:22	27° ♄ 09'20		evening set		-12027 Aug 14 j 16:18	10° ♄ 49'19		
asc. node	-12028 Sep 01 j 22:10	24° ♄ 52'48		asc. node		-12027 Aug 19 j 19:09	5° ♄ 04'50		
inferior conj	-12028 Sep 04 j 22:29	21° ♄ 12'29	0°56'33	inferior conj		-12027 Aug 20 j 01:22	4° ♄ 43'46	0°04'54	
minimum elong	-12028 Sep 04 j 21:11	21° ♄ 16'41	0°56'44	minimum elong		-12027 Aug 20 j 01:15	4° ♄ 44'11	0°05'29	
min. Earth dist.	-12028 Sep 06 j 01:13	19° ♄ 45'43	0.66143 AU	transit middle		-12027 Aug 20 j 01:15	4° ♄ 44'11	0°05'29	
morning rise	-12028 Sep 10 j 09:42	14° ♄ 53'56		transit begin		-12027 Aug 19 j 22:41	4° ♄ 52'54		
direct	-12028 Sep 16 j 07:28	12° ♄ 23'10		transit end		-12027 Aug 20 j 03:50	4° ♄ 35'27		
morning max el	-12028 Sep 28 j 11:27	19° ♄ 33'03	25°38'07	min. Earth dist.		-12027 Aug 20 j 17:04	3° ♄ 50'37	0.66799 AU	
	-12028 Oct 07 j 11:17	0° ♄				-12027 Aug 23 j 18:35	30° ♄		
desc. node	-12028 Oct 19 j 18:11	17° ♄ 26'36		morning rise		-12027 Aug 25 j 10:02	28° ♄ 22'49		
	-12028 Oct 27 j 13:55	0° ♄		direct		-12027 Aug 30 j 17:25	26° ♄ 08'08		
morning set	-12028 Nov 03 j 12:40	12° ♄ 07'29				-12027 Sep 07 j 20:44	0° ♄		
max. Earth dist.	-12028 Nov 07 j 11:13	19° ♄ 25'55	1.36519 AU	morning max el		-12027 Sep 10 j 21:16	2° ♄ 48'38	24°19'52	
	-12028 Nov 12 j 21:29	0° ♄				-12027 Oct 01 j 15:47	0° ♄		
				desc. node		-12027 Oct 06 j 15:03	7° ♄ 38'06		
superior conj	-12028 Nov 13 j 02:33	0° ♄ 25'14	-1°37'27	morning set		-12027 Oct 16 j 10:18	23° ♄ 46'14		
minimum elong	-12028 Nov 13 j 03:03	0° ♄ 27'45	1°37'04			-12027 Oct 19 j 23:30	0° ♄		
evening rise	-12028 Nov 21 j 00:57	16° ♄ 31'56		max. Earth dist.		-12027 Oct 20 j 11:25	0° ♄ 53'17	1.38389 AU	
	-12028 Nov 28 j 00:06	0° ♄							
asc. node	-12028 Nov 28 j 20:35	1° ♄ 30'31		superior conj		-12027 Oct 27 j 09:58	13° ♄ 45'21	-1°36'37	
evening max el	-12028 Dec 08 j 22:39	15° ♄ 19'13	19°55'32	minimum elong		-12027 Oct 27 j 08:52	13° ♄ 40'05	1°36'03	
retrograde	-12028 Dec 18 j 20:20	19° ♄ 58'41				-12027 Nov 04 j 17:15	0° ♄		
evening set	-12028 Dec 21 j 10:36	19° ♄ 40'57		evening rise		-12027 Nov 05 j 01:20	0° ♄ 39'46		
inferior conj	-12028 Dec 29 j 22:35	15° ♄ 37'33	3°41'40	asc. node		-12027 Nov 15 j 17:56	20° ♄ 02'09		
minimum elong	-12028 Dec 30 j 03:30	15° ♄ 29'53	3°40'40	evening max el		-12027 Nov 21 j 17:45	27° ♄ 33'20	18°59'25	
min. Earth dist.	-12027 Jan 01 j 04:11	14° ♄ 14'19	0.56320 AU			-12027 Nov 24 j 20:18	0° ♄		
morning rise	-12027 Jan 07 j 18:27	11° ♄ 02'04		retrograde		-12027 Nov 30 j 06:22	1° ♄ 38'55		
direct	-12027 Jan 12 j 00:22	10° ♄ 21'56		evening set		-12027 Dec 02 j 18:18	1° ♄ 19'19		
desc. node	-12027 Jan 15 j 20:00	10° ♄ 55'16				-12027 Dec 06 j 01:31	30° ♄		
morning max el	-12027 Jan 25 j 17:16	17° ♄ 12'30	23°55'30	inferior conj		-12027 Dec 10 j 17:40	26° ♄ 59'40	4°14'28	
	-12027 Feb 05 j 00:33	0° ♄		minimum elong		-12027 Dec 10 j 19:03	26° ♄ 57'11	4°14'28	
morning set	-12027 Feb 19 j 01:56	25° ♄ 46'26		min. Earth dist.		-12027 Dec 13 j 18:17	24° ♄ 51'18	0.57746 AU	
	-12027 Feb 21 j 01:51	0° ♄		morning rise		-12027 Dec 18 j 17:49	22° ♄ 00'03		
asc. node	-12027 Feb 24 j 18:17	7° ♄ 55'19		direct		-12027 Dec 24 j 07:26	20° ♄ 46'48		
				desc. node		-12026 Jan 02 j 16:38	24° ♄ 07'07		
superior conj	-12027 Feb 26 j 03:15	10° ♄ 52'49	0°13'00	morning max el		-12026 Jan 07 j 08:06	27° ♄ 56'31	25°28'03	
minimum elong	-12027 Feb 26 j 02:43	10° ♄ 49'58	0°12'15			-12026 Jan 09 j 09:01	0° ♄		
behind sun begin	-12027 Feb 25 j 23:27	10° ♄ 32'22				-12026 Jan 29 j 05:06	0° ♄		
behind sun end	-12027 Feb 26 j 06:00	11° ♄ 07'34		morning set		-12026 Feb 03 j 14:20	10° ♄ 51'50		
max. Earth dist.	-12027 Feb 28 j 00:41	14° ♄ 55'43	1.33544 AU						
evening rise	-12027 Mar 05 j 16:51	26° ♄ 40'47		superior conj		-12026 Feb 10 j 13:30	25° ♄ 52'17	-0°10'17	
	-12027 Mar 07 j 09:02	0° ♄		minimum elong		-12026 Feb 10 j 13:57	25° ♄ 54'42	0°10'46	
	-12027 Mar 24 j 21:11	0° ♄		behind sun begin		-12026 Feb 10 j 10:15	25° ♄ 34'33		
evening max el	-12027 Apr 07 j 21:50	17° ♄ 22'35	27°27'17	behind sun end		-12026 Feb 10 j 17:39	26° ♄ 14'51		
desc. node	-12027 Apr 13 j 20:08	22° ♄ 13'26		max. Earth dist.		-12026 Feb 11 j 11:20	27° ♄ 50'57	1.33000 AU	
retrograde	-12027 Apr 21 j 17:06	24° ♄ 56'40		asc. node		-12026 Feb 11 j 15:29	28° ♄ 13'26		
evening set	-12027 Apr 28 j 15:26	22° ♄ 26'41				-12026 Feb 12 j 11:11	0° ♄		
min. Earth dist.	-12027 May 02 j 07:31	19° ♄ 15'33	0.63010 AU	evening rise		-12026 Feb 17 j 19:40	11° ♄ 18'30		
inferior conj	-12027 May 05 j 01:48	16° ♄ 26'19	-3°26'38			-12026 Feb 27 j 15:25	0° ♄		
minimum elong	-12027 May 05 j 01:54	16° ♄ 26'06	3°27'09	evening max el		-12026 Mar 21 j 04:09	29° ♄ 45'04	27°10'00	
morning rise	-12027 May 11 j 13:27	11° ♄ 12'55				-12026 Mar 21 j 10:23	0° ♄		
direct	-12027 May 14 j 07:25	10° ♄ 36'09		desc. node		-12026 Mar 31 j 17:18	6° ♄ 43'19		
morning max el	-12027 May 20 j 19:57	13° ♄ 58'38	18°03'41	retrograde		-12026 Apr 04 j 04:53	7° ♄ 15'18		
asc. node	-12027 May 23 j 18:10	17° ♄ 20'41		evening set		-12026 Apr 10 j 20:18	5° ♄ 11'51		
	-12027 May 31 j 21:58	0° ♄		min. Earth dist.		-12026 Apr 14 j 16:54	2° ♄ 18'13	0.61123 AU	
morning set	-12027 Jun 06 j 23:22	10° ♄ 32'06				-12026 Apr 17 j 06:37	30° ♄		
	-12027 Jun 18 j 07:22	0° ♄		inferior conj		-12026 Apr 17 j 22:07	29° ♄ 24'46	-3°16'28	
				minimum elong		-12026 Apr 17 j 20:26	29° ♄ 28'35	3°16'55	
superior conj	-12027 Jun 19 j 05:39	1° ♄ 33'01	1°41'36	morning rise		-12026 Apr 24 j 22:34	24° ♄ 30'58		
minimum elong	-12027 Jun 19 j 09:33	1° ♄ 49'13	1°41'24	direct		-12026 Apr 27 j 12:05	24° ♄ 03'11		
max. Earth dist.	-12027 Jun 25 j 06:08	11° ♄ 25'39	1.43362 AU	morning max el		-12026 May 04 j 09:21	27° ♄ 28'31	18°05'42	
evening rise	-12027 Jul 04 j 23:10	26° ♄ 49'12				-12026 May 06 j 16:23	0° ♄		

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

asc. node	-12026 May 10 j 15:00	5°≈32'21		superior conj	-12025 May 13 j 10:06	24°≈11'44	1°44'15
morning set	-12026 May 20 j 15:20	23°≈02'01		minimum elong	-12025 May 13 j 07:56	24°≈01'44	1°43'43
	-12026 May 24 j 10:53	0°✕			-12025 May 16 j 14:53	0°✕	
				max. Earth dist.	-12025 May 20 j 16:05	7°✕07'56	1.40090 AU
superior conj	-12026 May 31 j 07:41	12°✕15'25	1°49'12	evening rise	-12025 May 25 j 09:01	15°✕07'10	
minimum elong	-12026 May 31 j 07:53	12°✕16'17	1°48'58		-12025 Jun 03 j 15:38	0°✕	
max. Earth dist.	-12026 Jun 07 j 14:05	24°✕38'41	1.41887 AU	desc. node	-12025 Jun 14 j 11:55	16°✕03'28	
	-12026 Jun 10 j 20:10	0°✕			-12025 Jun 25 j 03:44	0°✕	
evening rise	-12026 Jun 14 j 04:41	5°✕24'27		evening max el	-12025 Jun 29 j 00:10	4°✕13'17	23°18'59
desc. node	-12026 Jun 27 j 14:26	26°✕00'09		retrograde	-12025 Jul 09 j 07:09	10°✕20'05	
	-12026 Jun 30 j 07:58	0°✕		evening set	-12025 Jul 14 j 08:07	8°✕11'21	
evening max el	-12026 Jul 16 j 11:11	20°✕53'57	21°57'36	inferior conj	-12025 Jul 19 j 13:13	1°✕56'28	-1°29'52
retrograde	-12026 Jul 25 j 14:12	26°✕18'14		minimum elong	-12025 Jul 19 j 14:55	1°✕50'35	1°28'55
evening set	-12026 Jul 30 j 00:52	24°✕30'36		min. Earth dist.	-12025 Jul 19 j 07:42	2°✕15'28	0.67225 AU
inferior conj	-12026 Aug 04 j 06:54	18°✕19'05	-0°44'22		-12025 Jul 20 j 23:26	30°✕✕	
minimum elong	-12026 Aug 04 j 07:48	18°✕15'58	0°43'31	morning rise	-12025 Jul 24 j 21:39	25°✕41'47	
min. Earth dist.	-12026 Aug 04 j 12:02	18°✕01'18	0.67159 AU	asc. node	-12025 Jul 24 j 12:53	25°✕59'49	
asc. node	-12026 Aug 06 j 16:02	15°✕07'23		direct	-12025 Jul 29 j 02:35	24°✕03'16	
morning rise	-12026 Aug 09 j 14:38	11°✕59'29		morning max el	-12025 Aug 06 j 23:54	29°✕22'45	21°34'27
direct	-12026 Aug 14 j 08:05	10°✕02'53			-12025 Aug 07 j 14:07	0°✕	
morning max el	-12026 Aug 24 j 08:37	16°✕04'56	22°56'01		-12025 Aug 29 j 10:19	0°✕	
	-12026 Sep 04 j 16:02	0°✕		morning set	-12025 Sep 07 j 01:18	13°✕20'22	
desc. node	-12026 Sep 23 j 12:01	28°✕03'39		desc. node	-12025 Sep 10 j 09:03	18°✕37'50	
	-12026 Sep 24 j 17:04	0°✕		max. Earth dist.	-12025 Sep 14 j 14:38	25°✕30'38	1.42192 AU
morning set	-12026 Sep 27 j 06:37	4°✕09'58			-12025 Sep 17 j 07:34	0°✕	
max. Earth dist.	-12026 Oct 02 j 10:54	12°✕50'01	1.40367 AU				
				superior conj	-12025 Sep 21 j 18:38	7°✕34'29	-1°04'42
superior conj	-12026 Oct 10 j 01:15	26°✕13'39	-1°26'25	minimum elong	-12025 Sep 21 j 14:27	7°✕16'29	1°03'34
minimum elong	-12026 Oct 09 j 22:17	26°✕00'08	1°25'35	evening rise	-12025 Oct 02 j 21:20	27°✕19'54	
	-12026 Oct 12 j 02:41	0°✕			-12025 Oct 04 j 08:37	0°✕	
evening rise	-12026 Oct 19 j 17:21	14°✕19'01		evening max el	-12025 Oct 19 j 07:46	23°✕22'15	18°07'59
	-12026 Oct 28 j 08:02	0°✕		asc. node	-12025 Oct 20 j 12:29	24°✕28'28	
asc. node	-12026 Nov 02 j 15:14	7°✕46'23		retrograde	-12025 Oct 26 j 05:17	26°✕55'53	
evening max el	-12026 Nov 04 j 21:41	10°✕17'02	18°23'40	evening set	-12025 Oct 28 j 17:44	26°✕27'41	
retrograde	-12026 Nov 12 j 10:08	14°✕01'01		inferior conj	-12025 Nov 04 j 16:16	21°✕26'06	3°46'37
evening set	-12026 Nov 14 j 21:24	13°✕38'01		minimum elong	-12025 Nov 04 j 12:41	21°✕34'31	3°46'26
inferior conj	-12026 Nov 22 j 08:03	8°✕57'37	4°12'30	min. Earth dist.	-12025 Nov 07 j 14:33	18°✕41'51	0.61370 AU
minimum elong	-12026 Nov 22 j 06:08	9°✕01'33	4°12'39	morning rise	-12025 Nov 11 j 06:21	15°✕46'51	
min. Earth dist.	-12026 Nov 25 j 12:43	6°✕21'07	0.59526 AU	direct	-12025 Nov 18 j 06:37	13°✕25'02	
morning rise	-12026 Nov 29 j 13:10	3°✕36'26		morning max el	-12025 Dec 02 j 04:12	20°✕52'14	27°24'34
direct	-12026 Dec 06 j 02:08	1°✕45'25		desc. node	-12025 Dec 07 j 09:53	26°✕31'25	
morning max el	-12026 Dec 20 j 03:03	9°✕05'45	26°41'24		-12025 Dec 10 j 05:06	0°✕	
desc. node	-12026 Dec 20 j 13:16	9°✕30'31			-12025 Dec 28 j 22:52	0°✕	
	-12025 Jan 05 j 03:26	0°✕		morning set	-12024 Jan 03 j 08:12	10°✕39'44	
morning set	-12025 Jan 19 j 01:05	25°✕52'06		max. Earth dist.	-12024 Jan 09 j 12:57	23°✕48'54	1.32902 AU
	-12025 Jan 21 j 00:06	0°✕					
				superior conj	-12024 Jan 10 j 12:50	25°✕58'44	-0°52'48
superior conj	-12025 Jan 26 j 01:15	10°✕56'22	-0°32'27	minimum elong	-12024 Jan 10 j 14:40	26°✕08'42	0°52'47
minimum elong	-12025 Jan 26 j 02:31	11°✕03'15	0°32'39		-12024 Jan 12 j 09:08	0°✕	
max. Earth dist.	-12025 Jan 26 j 00:37	10°✕52'52	1.32784 AU	asc. node	-12024 Jan 16 j 10:02	8°✕42'44	
asc. node	-12025 Jan 29 j 12:44	18°✕30'39		evening rise	-12024 Jan 17 j 13:28	11°✕07'35	
evening rise	-12025 Feb 02 j 03:12	26°✕09'49			-12024 Jan 27 j 08:03	0°✕	
	-12025 Feb 03 j 23:59	0°✕		evening max el	-12024 Feb 13 j 01:01	22°✕41'43	25°04'56
	-12025 Feb 21 j 11:32	0°✕		retrograde	-12024 Feb 27 j 00:51	29°✕45'26	
evening max el	-12025 Mar 03 j 05:08	11°✕29'55	26°20'40	evening set	-12024 Mar 02 j 22:46	28°✕49'34	
retrograde	-12025 Mar 17 j 08:14	18°✕51'24		desc. node	-12024 Mar 04 j 11:21	28°✕10'55	
desc. node	-12025 Mar 18 j 14:22	18°✕47'24		min. Earth dist.	-12024 Mar 08 j 14:39	25°✕47'50	0.57321 AU
evening set	-12025 Mar 23 j 06:43	17°✕22'20		inferior conj	-12024 Mar 11 j 11:34	23°✕51'12	-1°41'13
min. Earth dist.	-12025 Mar 27 j 18:31	14°✕31'17	0.59131 AU	minimum elong	-12024 Mar 11 j 08:18	23°✕56'45	1°41'02
inferior conj	-12025 Mar 31 j 02:21	11°✕55'29	-2°43'10	morning rise	-12024 Mar 19 j 21:05	19°✕35'07	
minimum elong	-12025 Mar 30 j 23:06	12°✕01'54	2°43'14	direct	-12024 Mar 22 j 02:06	19°✕20'34	
morning rise	-12025 Apr 07 j 18:27	7°✕21'42		morning max el	-12024 Mar 30 j 23:34	23°✕33'41	19°07'31
direct	-12025 Apr 10 j 03:29	7°✕01'32			-12024 Apr 05 j 07:47	0°✕	
morning max el	-12025 Apr 17 j 19:34	10°✕43'20	18°26'48	asc. node	-12024 Apr 13 j 08:44	13°✕44'09	
asc. node	-12025 Apr 27 j 11:50	24°✕23'12		morning set	-12024 Apr 16 j 17:47	20°✕31'20	
	-12025 Apr 30 j 14:11	0°≈			-12024 Apr 21 j 15:44	0°≈	
morning set	-12025 May 03 j 22:51	6°≈20'24					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-12024 Apr 25 j 07:32	7° \approx 07'46	1°30'44	morning set	-12023 Mar 31 j 20:42	4° \approx 32'44	
minimum elong	-12024 Apr 25 j 04:30	6° \approx 53'11	1°29'52				
max. Earth dist.	-12024 May 01 j 16:12	19° \approx 02'42	1.38222 AU	superior conj	-12023 Apr 08 j 18:51	20° \approx 348'36	1°11'50
evening rise	-12024 May 05 j 17:01	26° \approx 14'05		minimum elong	-12023 Apr 08 j 16:00	20° \approx 334'19	1°10'47
	-12024 May 07 j 21:19	0° \approx			-12023 Apr 13 j 11:03	0° \approx	
	-12024 May 27 j 04:26	0° \approx		max. Earth dist.	-12023 Apr 13 j 20:28	0° \approx 45'11	1.36505 AU
desc. node	-12024 May 31 j 09:24	5° \approx 43'29		evening rise	-12023 Apr 18 j 00:29	8° \approx 33'28	
evening max el	-12024 Jun 10 j 10:15	17° \approx 34'16	24°40'32		-12023 Apr 30 j 14:35	0° \approx	
retrograde	-12024 Jun 21 j 20:28	24° \approx 18'55		desc. node	-12023 May 18 j 06:53	24° \approx 49'48	
evening set	-12024 Jun 27 j 12:11	21° \approx 51'03			-12023 May 22 j 21:46	0° \approx	
min. Earth dist.	-12024 Jul 02 j 01:41	16° \approx 32'13	0.66975 AU	evening max el	-12023 May 23 j 20:07	0° \approx 56'35	25°53'54
inferior conj	-12024 Jul 02 j 18:38	15° \approx 35'09	-2°10'13	retrograde	-12023 Jun 05 j 05:23	8° \approx 09'01	
minimum elong	-12024 Jul 02 j 20:50	15° \approx 27'46	2°09'24	evening set	-12023 Jun 11 j 10:56	5° \approx 27'09	
morning rise	-12024 Jul 08 j 05:26	9° \approx 28'54		min. Earth dist.	-12023 Jun 15 j 15:34	0° \approx 47'36	0.66366 AU
asc. node	-12024 Jul 10 j 09:40	8° \approx 21'26			-12023 Jun 16 j 06:27	30° \approx	
direct	-12024 Jul 11 j 23:42	8° \approx 07'09		inferior conj	-12023 Jun 16 j 21:16	29° \approx 12'22	-2°44'02
morning max el	-12024 Jul 19 j 21:13	12° \approx 46'15	20°21'38	minimum elong	-12023 Jun 16 j 23:34	29° \approx 05'01	2°43'34
	-12024 Aug 01 j 21:11	0° \approx		morning rise	-12023 Jun 22 j 12:14	23° \approx 17'47	
morning set	-12024 Aug 16 j 05:01	21° \approx 50'29		direct	-12023 Jun 25 j 21:41	22° \approx 11'03	
	-12024 Aug 21 j 10:07	0° \approx		asc. node	-12023 Jun 27 j 06:26	22° \approx 21'23	
max. Earth dist.	-12024 Aug 27 j 00:50	8° \approx 55'41	1.43612 AU	morning max el	-12023 Jul 03 j 01:03	26° \approx 16'29	19°21'55
desc. node	-12024 Aug 27 j 06:13	9° \approx 17'16			-12023 Jul 06 j 06:17	0° \approx	
					-12023 Jul 26 j 04:25	0° \approx	
superior conj	-12024 Sep 01 j 09:14	17° \approx 36'41	-0°30'27	morning set	-12023 Jul 26 j 13:24	0° \approx 35'19	
minimum elong	-12024 Sep 01 j 06:18	17° \approx 24'37	0°29'24	max. Earth dist.	-12023 Aug 09 j 16:06	22° \approx 51'11	1.44429 AU
	-12024 Sep 08 j 19:19	0° \approx					
evening rise	-12024 Sep 14 j 08:44	9° \approx 32'04		superior conj	-12023 Aug 11 j 21:47	26° \approx 824'28	0°13'19
	-12024 Sep 26 j 15:08	0° \approx		minimum elong	-12023 Aug 11 j 23:26	26° \approx 31'02	0°13'41
evening max el	-12024 Oct 01 j 21:03	6° \approx 41'48	18°11'23	behind sun begin	-12023 Aug 11 j 17:13	26° \approx 06'14	
asc. node	-12024 Oct 06 j 09:42	9° \approx 52'29		behind sun end	-12023 Aug 12 j 05:40	26° \approx 55'50	
retrograde	-12024 Oct 08 j 12:01	10° \approx 14'58		desc. node	-12023 Aug 14 j 03:30	29° \approx 858'40	
evening set	-12024 Oct 11 j 03:45	9° \approx 39'19			-12023 Aug 14 j 03:50	0° \approx	
inferior conj	-12024 Oct 17 j 15:11	4° \approx 18'17	3°06'19	evening rise	-12023 Aug 26 j 22:00	20° \approx 142'09	
minimum elong	-12024 Oct 17 j 11:25	4° \approx 28'14	3°05'55		-12023 Sep 01 j 13:29	0° \approx	
min. Earth dist.	-12024 Oct 20 j 01:51	1° \approx 43'51	0.63066 AU	evening max el	-12023 Sep 15 j 10:31	20° \approx 09'26	18°32'52
	-12024 Oct 21 j 20:22	30° \approx		retrograde	-12023 Sep 22 j 02:33	23° \approx 51'18	
morning rise	-12024 Oct 23 j 18:11	28° \approx 23'44		asc. node	-12023 Sep 23 j 06:50	23° \approx 43'36	
direct	-12024 Oct 30 j 18:52	25° \approx 44'24		evening set	-12023 Sep 24 j 23:42	23° \approx 05'29	
	-12024 Nov 09 j 17:40	0° \approx		inferior conj	-12023 Oct 01 j 01:29	17° \approx 27'50	2°18'15
morning max el	-12024 Nov 13 j 10:43	3° \approx 15'42	27°33'14	minimum elong	-12023 Sep 30 j 22:25	17° \approx 36'48	2°17'55
desc. node	-12024 Nov 23 j 06:30	14° \approx 42'18		min. Earth dist.	-12023 Oct 02 j 23:13	15° \approx 14'55	0.64495 AU
	-12024 Dec 03 j 13:58	0° \approx		morning rise	-12023 Oct 06 j 20:31	11° \approx 20'59	
morning set	-12024 Dec 17 j 09:23	25° \approx 06'22		direct	-12023 Oct 13 j 13:51	8° \approx 37'23	
	-12024 Dec 19 j 19:02	0° \approx		morning max el	-12023 Oct 26 j 20:24	16° \approx 08'14	27°08'59
max. Earth dist.	-12024 Dec 22 j 20:44	6° \approx 26'29	1.33385 AU		-12023 Nov 07 j 11:31	0° \approx	
				desc. node	-12023 Nov 10 j 03:11	3° \approx 43'10	
superior conj	-12024 Dec 24 j 22:32	10° \approx 52'49	-1°10'35		-12023 Nov 26 j 06:29	0° \approx	
minimum elong	-12024 Dec 25 j 00:36	11° \approx 03'56	1°10'25	morning set	-12023 Dec 01 j 01:45	9° \approx 02'46	
evening rise	-12023 Jan 01 j 00:43	26° \approx 05'08		max. Earth dist.	-12023 Dec 05 j 20:33	18° \approx 36'31	1.34269 AU
asc. node	-12023 Jan 02 j 07:22	28° \approx 44'45					
	-12023 Jan 02 j 22:01	0° \approx		superior conj	-12023 Dec 09 j 04:26	25° \approx 31'59	-1°24'53
	-12023 Jan 21 j 08:05	0° \approx		minimum elong	-12023 Dec 09 j 06:19	25° \approx 41'54	1°24'37
evening max el	-12023 Jan 24 j 18:21	3° \approx 34'48	23°33'38		-12023 Dec 11 j 07:07	0° \approx	
retrograde	-12023 Feb 07 j 04:26	10° \approx 08'13		evening rise	-12023 Dec 16 j 11:21	10° \approx 56'42	
evening set	-12023 Feb 11 j 01:14	9° \approx 35'26		asc. node	-12023 Dec 20 j 04:45	18° \approx 31'24	
min. Earth dist.	-12023 Feb 18 j 07:13	6° \approx 11'57	0.56014 AU		-12023 Dec 26 j 11:35	0° \approx	
desc. node	-12023 Feb 19 j 08:15	5° \approx 34'25		evening max el	-12022 Jan 06 j 14:04	14° \approx 31'53	22°00'17
inferior conj	-12023 Feb 20 j 01:26	5° \approx 08'28	-0°10'56	retrograde	-12022 Jan 18 j 21:39	20° \approx 23'29	
minimum elong	-12023 Feb 20 j 00:58	5° \approx 09'11	0°11'25	evening set	-12022 Jan 21 j 23:56	20° \approx 02'13	
transit middle	-12023 Feb 20 j 00:58	5° \approx 09'11	0°11'25	inferior conj	-12022 Jan 31 j 01:37	15° \approx 57'17	1°33'20
transit begin	-12023 Feb 19 j 22:11	5° \approx 13'22		minimum elong	-12022 Jan 31 j 05:28	15° \approx 51'47	1°31'41
transit end	-12023 Feb 20 j 03:44	5° \approx 05'00		min. Earth dist.	-12022 Jan 30 j 21:43	16° \approx 02'50	0.55461 AU
morning rise	-12023 Mar 01 j 02:57	1° \approx 03'51		desc. node	-12022 Feb 06 j 05:02	12° \approx 49'32	
direct	-12023 Mar 03 j 07:16	0° \approx 51'48		morning rise	-12022 Feb 09 j 11:23	11° \approx 51'36	
morning max el	-12023 Mar 13 j 18:20	5° \approx 49'17	20°07'57	direct	-12022 Feb 12 j 00:09	11° \approx 37'04	
	-12023 Mar 29 j 12:06	0° \approx		morning max el	-12022 Feb 24 j 02:02	17° \approx 25'11	21°26'51
asc. node	-12023 Mar 31 j 05:43	3° \approx 27'12			-12022 Mar 05 j 19:33	0° \approx	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning set	-12022 Mar 16 j 04:56	19° ♁ 28'47			-12021 Feb 07 j 13:21	0° ♁	
asc. node	-12022 Mar 18 j 02:47	23° ♁ 26'41			-12021 Feb 26 j 12:19	0° ♁	
	-12022 Mar 21 j 05:55	0° ♁		morning set	-12021 Feb 28 j 16:14	4° ♁ 27'26	
				asc. node	-12021 Mar 04 j 23:55	13° ♁ 36'54	
superior conj	-12022 Mar 23 j 16:06	5° ♁ 03'10	0°49'55				
minimum elong	-12022 Mar 23 j 14:00	4° ♁ 52'16	0°48'52	superior conj	-12021 Mar 07 j 20:13	19° ♁ 41'15	0°26'36
max. Earth dist.	-12022 Mar 27 j 09:31	12° ♁ 39'47	1.35081 AU	minimum elong	-12021 Mar 07 j 19:05	19° ♁ 35'17	0°25'42
evening rise	-12022 Apr 01 j 01:43	21° ♁ 49'17		max. Earth dist.	-12021 Mar 10 j 08:31	24° ♁ 59'10	1.33999 AU
	-12022 Apr 05 j 11:32	0° ♁			-12021 Mar 12 j 18:45	0° ♁	
	-12022 Apr 24 j 08:49	0° ♁		evening rise	-12021 Mar 15 j 15:44	5° ♁ 46'12	
desc. node	-12022 May 05 j 04:18	13° ♁ 08'37			-12021 Mar 29 j 03:28	0° ♁	
evening max el	-12022 May 06 j 06:43	14° ♁ 15'13	26°50'23	evening max el	-12021 Apr 18 j 17:17	27° ♁ 20'58	27°22'24
retrograde	-12022 May 19 j 09:25	21° ♁ 44'03			-12021 Apr 21 j 15:31	0° ♁	
evening set	-12022 May 26 j 01:56	18° ♁ 56'55		desc. node	-12021 Apr 22 j 01:36	0° ♁ 20'40	
min. Earth dist.	-12022 May 29 j 23:11	14° ♁ 56'13	0.65365 AU	retrograde	-12021 May 02 j 08:05	4° ♁ 56'11	
inferior conj	-12022 May 31 j 18:59	12° ♁ 45'19	-3°09'36	evening set	-12021 May 09 j 06:18	2° ♁ 15'55	
minimum elong	-12022 May 31 j 20:53	12° ♁ 39'38	3°09'34		-12021 May 11 j 19:22	30° ♁	
morning rise	-12022 Jun 06 j 16:09	7° ♁ 05'07		min. Earth dist.	-12021 May 12 j 22:52	28° ♁ 49'16	0.63968 AU
direct	-12022 Jun 09 j 18:28	6° ♁ 11'31		inferior conj	-12021 May 15 j 09:19	26° ♁ 10'09	-3°24'26
asc. node	-12022 Jun 14 j 03:13	7° ♁ 51'17		minimum elong	-12021 May 15 j 10:14	26° ♁ 07'37	3°24'47
morning max el	-12022 Jun 16 j 10:23	9° ♁ 52'23	18°37'51	morning rise	-12021 May 21 j 14:57	20° ♁ 46'31	
	-12022 Jun 30 j 10:47	0° ♁		direct	-12021 May 24 j 11:33	20° ♁ 04'13	
morning set	-12022 Jul 06 j 18:04	10° ♁ 16'25		morning max el	-12021 May 30 j 23:14	23° ♁ 30'35	18°10'58
	-12022 Jul 18 j 23:53	0° ♁		asc. node	-12021 Jun 01 j 00:00	24° ♁ 36'04	
					-12021 Jun 05 j 03:31	0° ♁	
superior conj	-12022 Jul 21 j 21:48	4° ♁ 37'50	0°57'15	morning set	-12021 Jun 18 j 00:02	21° ♁ 07'40	
minimum elong	-12022 Jul 22 j 03:54	5° ♁ 02'01	0°56'58		-12021 Jun 23 j 05:45	0° ♁	
max. Earth dist.	-12022 Jul 23 j 09:01	6° ♁ 57'22	1.44548 AU				
desc. node	-12022 Aug 01 j 00:53	20° ♁ 38'39		superior conj	-12021 Jul 01 j 07:40	13° ♁ 21'25	1°30'05
	-12022 Aug 06 j 22:53	0° ♁		minimum elong	-12021 Jul 01 j 13:28	13° ♁ 45'02	1°29'47
evening rise	-12022 Aug 07 j 08:23	0° ♁ 37'35		max. Earth dist.	-12021 Jul 06 j 00:04	20° ♁ 54'31	1.43972 AU
	-12022 Aug 26 j 17:36	0° ♁			-12021 Jul 11 j 17:40	0° ♁	
evening max el	-12022 Aug 29 j 21:20	3° ♁ 39'33	19°11'25	evening rise	-12021 Jul 17 j 17:48	9° ♁ 23'18	
retrograde	-12022 Sep 05 j 21:29	7° ♁ 38'55		desc. node	-12021 Jul 18 j 22:20	11° ♁ 14'00	
evening set	-12022 Sep 09 j 02:20	6° ♁ 39'48			-12021 Jul 31 j 05:28	0° ♁	
asc. node	-12022 Sep 10 j 03:54	5° ♁ 54'34		evening max el	-12021 Aug 13 j 03:03	17° ♁ 08'29	20°05'45
inferior conj	-12022 Sep 14 j 20:11	0° ♁ 48'53	1°26'40	retrograde	-12021 Aug 20 j 18:11	21° ♁ 34'18	
minimum elong	-12022 Sep 14 j 18:12	0° ♁ 55'07	1°26'38	evening set	-12021 Aug 24 j 08:59	20° ♁ 18'34	
	-12022 Sep 15 j 11:42	30° ♁		asc. node	-12021 Aug 28 j 00:53	16° ♁ 39'16	
min. Earth dist.	-12022 Sep 16 j 05:32	29° ♁ 04'08	0.65624 AU	inferior conj	-12021 Aug 29 j 20:43	14° ♁ 17'34	0°34'27
morning rise	-12022 Sep 20 j 09:39	24° ♁ 33'15		minimum elong	-12021 Aug 29 j 19:56	14° ♁ 20'11	0°34'49
direct	-12022 Sep 26 j 15:05	21° ♁ 55'45		min. Earth dist.	-12021 Aug 30 j 18:42	13° ♁ 04'42	0.66454 AU
morning max el	-12022 Oct 09 j 06:53	29° ♁ 17'24	26°17'15	morning rise	-12021 Sep 04 j 06:36	7° ♁ 57'15	
	-12022 Oct 09 j 23:47	0° ♁		direct	-12021 Sep 09 j 22:13	5° ♁ 32'47	
desc. node	-12022 Oct 27 j 23:55	23° ♁ 18'57		morning max el	-12021 Sep 21 j 16:46	12° ♁ 32'27	25°06'00
	-12022 Nov 01 j 07:31	0° ♁			-12021 Oct 05 j 20:22	0° ♁	
morning set	-12022 Nov 14 j 05:23	22° ♁ 16'16		desc. node	-12021 Oct 14 j 20:46	13° ♁ 19'43	
	-12022 Nov 18 j 06:34	0° ♁			-12021 Oct 25 j 00:59	0° ♁	
max. Earth dist.	-12022 Nov 18 j 09:44	0° ♁ 15'29	1.35580 AU	morning set	-12021 Oct 27 j 15:30	4° ♁ 33'44	
				max. Earth dist.	-12021 Oct 31 j 12:51	11° ♁ 36'51	1.37284 AU
superior conj	-12022 Nov 23 j 04:06	9° ♁ 47'34	-1°34'34				
minimum elong	-12022 Nov 23 j 05:16	9° ♁ 53'34	1°34'14	superior conj	-12021 Nov 06 j 18:32	23° ♁ 30'55	-1°38'06
evening rise	-12022 Nov 30 j 19:32	25° ♁ 35'21		minimum elong	-12021 Nov 06 j 18:25	23° ♁ 30'21	1°37'40
	-12022 Dec 02 j 23:39	0° ♁			-12021 Nov 10 j 00:56	0° ♁	
asc. node	-12022 Dec 07 j 02:08	7° ♁ 55'16		evening rise	-12021 Nov 14 j 23:23	9° ♁ 55'49	
evening max el	-12022 Dec 19 j 17:11	25° ♁ 52'35	20°36'25	asc. node	-12021 Nov 23 j 23:29	26° ♁ 48'28	
	-12022 Dec 25 j 19:43	0° ♁			-12021 Nov 25 j 23:46	0° ♁	
retrograde	-12022 Dec 30 j 12:56	0° ♁ 57'23		evening max el	-12021 Dec 02 j 06:30	7° ♁ 47'15	19°29'12
evening set	-12021 Jan 02 j 05:28	0° ♁ 39'51		retrograde	-12021 Dec 11 j 13:20	12° ♁ 10'41	
	-12021 Jan 04 j 11:53	30° ♁		evening set	-12021 Dec 14 j 02:12	11° ♁ 52'31	
inferior conj	-12021 Jan 10 j 23:53	26° ♁ 40'26	3°04'33	inferior conj	-12021 Dec 22 j 08:58	7° ♁ 43'30	4°00'25
minimum elong	-12021 Jan 11 j 05:39	26° ♁ 31'52	3°02'55	minimum elong	-12021 Dec 22 j 12:33	7° ♁ 37'37	3°59'56
min. Earth dist.	-12021 Jan 12 j 11:15	25° ♁ 48'12	0.55770 AU	min. Earth dist.	-12021 Dec 25 j 00:50	5° ♁ 59'02	0.56863 AU
morning rise	-12021 Jan 20 j 04:24	22° ♁ 18'04		morning rise	-12021 Dec 30 j 20:43	2° ♁ 57'10	
direct	-12021 Jan 23 j 15:49	21° ♁ 51'29		direct	-12020 Jan 04 j 16:35	2° ♁ 04'03	
desc. node	-12021 Jan 24 j 01:46	21° ♁ 51'52		desc. node	-12020 Jan 10 j 22:26	3° ♁ 33'28	
morning max el	-12021 Feb 05 j 23:15	28° ♁ 24'22	22°59'39	morning max el	-12020 Jan 18 j 14:19	9° ♁ 05'14	24°36'16

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12020 Feb 03 j 01:28	0°♄		morning rise	-12020 Dec 10 j 03:51	14°♄11'29	
morning set	-12020 Feb 13 j 04:43	19°♄31'45		direct	-12020 Dec 16 j 05:07	12°♄41'40	
	-12020 Feb 18 j 02:03	0°♄		desc. node	-12020 Dec 27 j 19:06	17°♄45'07	
asc. node	-12020 Feb 19 j 21:05	3°♄53'08		morning max el	-12020 Dec 30 j 06:04	19°♄56'23	26°02'23
					-12019 Jan 07 j 21:20	0°♄	
superior conj	-12020 Feb 20 j 04:46	4°♄34'39	0°03'03		-12019 Jan 25 j 11:14	0°♄	
minimum elong	-12020 Feb 20 j 04:40	4°♄34'05	0°02'25	morning set	-12019 Jan 27 j 16:37	4°♄35'36	
behind sun begin	-12020 Feb 19 j 23:36	4°♄06'46					
behind sun end	-12020 Feb 20 j 09:43	5°♄01'23		superior conj	-12019 Feb 03 j 15:51	19°♄36'49	-0°19'52
max. Earth dist.	-12020 Feb 21 j 15:40	7°♄42'49	1.33267 AU	minimum elong	-12019 Feb 03 j 16:40	19°♄41'16	0°20'13
evening rise	-12020 Feb 27 j 14:43	20°♄11'47		max. Earth dist.	-12019 Feb 04 j 03:55	20°♄42'37	1.32868 AU
	-12020 Mar 03 j 15:01	0°♄		asc. node	-12019 Feb 05 j 18:18	24°♄11'22	
	-12020 Mar 22 j 08:22	0°♄			-12019 Feb 08 j 11:14	0°♄	
evening max el	-12020 Mar 31 j 01:55	10°♄02'26	27°24'06	evening rise	-12019 Feb 10 j 19:50	4°♄56'34	
desc. node	-12020 Apr 07 j 22:48	15°♄58'58			-12019 Feb 24 j 08:50	0°♄	
retrograde	-12020 Apr 14 j 00:19	17°♄36'06		evening max el	-12019 Mar 13 j 06:24	22°♄10'16	26°52'54
evening set	-12020 Apr 20 j 20:41	15°♄16'10		desc. node	-12019 Mar 25 j 19:55	29°♄30'47	
min. Earth dist.	-12020 Apr 24 j 13:38	12°♄13'59	0.62225 AU	retrograde	-12019 Mar 27 j 08:39	29°♄36'54	
inferior conj	-12020 Apr 27 j 13:11	9°♄20'24	-3°24'49	evening set	-12019 Apr 02 j 17:54	27°♄47'57	
minimum elong	-12020 Apr 27 j 12:33	9°♄21'56	3°25'21	min. Earth dist.	-12019 Apr 06 j 19:39	24°♄57'01	0.60270 AU
morning rise	-12020 May 04 j 05:55	4°♄15'07		inferior conj	-12019 Apr 10 j 03:08	22°♄08'34	-3°05'36
direct	-12020 May 06 j 21:49	3°♄42'27		minimum elong	-12019 Apr 10 j 00:42	22°♄13'48	3°05'55
morning max el	-12020 May 13 j 13:09	7°♄05'02	18°02'12	morning rise	-12019 Apr 17 j 09:51	17°♄22'58	
asc. node	-12020 May 17 j 20:48	12°♄19'46		direct	-12019 Apr 19 j 21:31	16°♄58'32	
	-12020 May 28 j 11:35	0°♄		morning max el	-12019 Apr 27 j 01:29	20°♄29'20	18°12'18
morning set	-12020 May 30 j 04:58	3°♄04'33			-12019 May 04 j 05:32	0°♄	
				asc. node	-12019 May 04 j 17:38	0°♄49'27	
superior conj	-12020 Jun 10 j 18:02	23°♄16'51	1°46'38	morning set	-12019 May 13 j 04:11	15°♄57'00	
minimum elong	-12020 Jun 10 j 20:17	23°♄26'23	1°46'27		-12019 May 20 j 18:38	0°♄	
	-12020 Jun 14 j 18:05	0°♄					
max. Earth dist.	-12020 Jun 17 j 10:51	4°♄26'37	1.42787 AU	superior conj	-12019 May 23 j 07:05	4°♄32'12	1°48'24
evening rise	-12020 Jun 25 j 17:57	17°♄42'57		minimum elong	-12019 May 23 j 06:04	4°♄27'42	1°48'03
	-12020 Jul 03 j 17:12	0°♄		max. Earth dist.	-12019 May 30 j 16:28	17°♄22'50	1.41154 AU
desc. node	-12020 Jul 04 j 19:48	1°♄40'32		evening rise	-12019 Jun 05 j 07:51	26°♄43'05	
	-12020 Jul 25 j 13:11	0°♄			-12019 Jun 07 j 08:44	0°♄	
evening max el	-12020 Jul 26 j 02:06	0°♄33'25	21°13'44	desc. node	-12019 Jun 21 j 17:15	21°♄53'56	
retrograde	-12020 Aug 03 j 14:28	5°♄34'05			-12019 Jun 27 j 10:45	0°♄	
evening set	-12020 Aug 07 j 17:24	3°♄58'46		evening max el	-12019 Jul 08 j 18:25	13°♄54'45	22°31'41
	-12020 Aug 11 j 10:27	30°♄		retrograde	-12019 Jul 18 j 08:55	19°♄36'23	
inferior conj	-12020 Aug 13 j 00:56	27°♄50'34	-0°16'22	evening set	-12019 Jul 23 j 01:37	17°♄39'43	
minimum elong	-12020 Aug 13 j 01:17	27°♄49'24	0°15'40	inferior conj	-12019 Jul 28 j 07:01	11°♄26'42	-1°04'12
transit middle	-12020 Aug 13 j 01:17	27°♄49'24	0°15'40	minimum elong	-12019 Jul 28 j 08:18	11°♄22'17	1°03'17
transit begin	-12020 Aug 13 j 00:29	27°♄52'09		min. Earth dist.	-12019 Jul 28 j 07:42	11°♄24'19	0.67235 AU
transit end	-12020 Aug 13 j 02:05	27°♄46'39		asc. node	-12019 Jul 31 j 18:42	6°♄56'21	
min. Earth dist.	-12020 Aug 13 j 12:13	27°♄11'57	0.66992 AU	morning rise	-12019 Aug 02 j 14:52	5°♄08'56	
asc. node	-12020 Aug 13 j 21:49	26°♄39'13		direct	-12019 Aug 07 j 02:55	3°♄19'59	
morning rise	-12020 Aug 18 j 09:00	21°♄29'35		morning max el	-12019 Aug 16 j 15:20	9°♄03'16	22°20'30
direct	-12020 Aug 23 j 10:25	19°♄22'12			-12019 Sep 01 j 19:12	0°♄	
morning max el	-12020 Sep 03 j 02:43	25°♄47'13	23°44'13	desc. node	-12019 Sep 17 j 14:41	24°♄07'04	
	-12020 Sep 06 j 22:33	0°♄		morning set	-12019 Sep 18 j 11:36	25°♄31'00	
	-12020 Sep 28 j 10:12	0°♄			-12019 Sep 21 j 05:48	0°♄	
desc. node	-12020 Sep 30 j 17:42	3°♄37'35		max. Earth dist.	-12019 Sep 24 j 12:35	5°♄26'55	1.41187 AU
morning set	-12020 Oct 08 j 02:43	15°♄40'52					
max. Earth dist.	-12020 Oct 12 j 11:24	23°♄11'07	1.39235 AU	superior conj	-12019 Oct 02 j 02:25	18°♄32'02	-1°18'44
	-12020 Oct 16 j 07:00	0°♄		minimum elong	-12019 Oct 01 j 22:45	18°♄15'47	1°17'44
					-12019 Oct 08 j 10:06	0°♄	
superior conj	-12020 Oct 19 j 19:42	6°♄30'31	-1°33'34	evening rise	-12019 Oct 12 j 07:53	7°♄15'41	
minimum elong	-12020 Oct 19 j 17:48	6°♄21'38	1°32'55		-12019 Oct 25 j 18:41	0°♄	
evening rise	-12020 Oct 28 j 20:30	23°♄51'44		asc. node	-12019 Oct 27 j 18:04	2°♄20'44	
	-12020 Nov 01 j 01:05	0°♄		evening max el	-12019 Oct 28 j 12:37	3°♄08'40	18°14'34
asc. node	-12020 Nov 09 j 20:47	15°♄01'11		retrograde	-12019 Nov 04 j 17:27	6°♄46'51	
evening max el	-12020 Nov 14 j 05:42	20°♄14'59	18°41'45	evening set	-12019 Nov 07 j 05:06	6°♄21'43	
retrograde	-12020 Nov 22 j 06:36	24°♄09'23		inferior conj	-12019 Nov 14 j 10:26	1°♄31'52	4°03'49
evening set	-12020 Nov 24 j 18:14	23°♄48'25		minimum elong	-12019 Nov 14 j 07:37	1°♄38'02	4°03'50
inferior conj	-12020 Dec 02 j 12:09	19°♄20'26	4°17'15		-12019 Nov 16 j 04:25	30°♄	
minimum elong	-12020 Dec 02 j 11:58	19°♄20'46	4°17'24	min. Earth dist.	-12019 Nov 17 j 13:12	28°♄49'59	0.60320 AU
min. Earth dist.	-12020 Dec 05 j 16:18	16°♄57'33	0.58483 AU	morning rise	-12019 Nov 21 j 08:40	26°♄02'53	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

direct	-12019 Nov 28 j 03:58	23° Ω 57'41		min. Earth dist.	-12018 Oct 30 j 19:01	11° Ω 30'22	0.62115 AU
	-12019 Dec 10 j 16:42	0° \mathbb{M}		morning rise	-12018 Nov 03 j 10:21	8° Ω 25'47	
morning max el	-12019 Dec 12 j 03:32	1° \mathbb{M} 20'19	27°03'59	direct	-12018 Nov 10 j 11:43	5° Ω 55'07	
desc. node	-12019 Dec 14 j 15:43	3° \mathbb{M} 53'42		morning max el	-12018 Nov 24 j 07:32	13° Ω 24'32	27°32'33
	-12018 Jan 01 j 21:54	0° $\underline{\Omega}$		desc. node	-12018 Dec 01 j 12:22	21° Ω 27'38	
morning set	-12018 Jan 12 j 02:04	19° $\underline{\Omega}$ 31'15			-12018 Dec 07 j 18:54	0° \mathbb{M}	
	-12018 Jan 17 j 00:12	0° \mathbb{M}			-12018 Dec 25 j 04:58	0° $\underline{\Omega}$	
max. Earth dist.	-12018 Jan 18 j 17:26	3° \mathbb{M} 44'31	1.32795 AU	morning set	-12018 Dec 27 j 07:01	4° $\underline{\Omega}$ 11'17	
				max. Earth dist.	-12017 Jan 02 j 04:27	16° $\underline{\Omega}$ 34'53	1.33064 AU
superior conj	-12018 Jan 19 j 03:42	4° \mathbb{M} 40'35	-0°41'21				
minimum elong	-12018 Jan 19 j 05:15	4° \mathbb{M} 49'00	0°41'28	superior conj	-12017 Jan 03 j 14:42	19° $\underline{\Omega}$ 40'04	-1°00'43
asc. node	-12018 Jan 23 j 15:34	14° \mathbb{M} 26'49		minimum elong	-12017 Jan 03 j 16:41	19° $\underline{\Omega}$ 50'48	1°00'38
evening rise	-12018 Jan 26 j 04:46	19° \mathbb{M} 51'26			-12017 Jan 08 j 09:10	0° \mathbb{M}	
	-12018 Jan 31 j 05:39	0° \mathbb{M}		evening rise	-12017 Jan 10 j 15:40	4° \mathbb{M} 49'42	
	-12018 Feb 19 j 16:52	0° \mathbb{M}		asc. node	-12017 Jan 10 j 12:53	4° \mathbb{M} 35'04	
evening max el	-12018 Feb 23 j 05:05	3° \mathbb{M} 39'40	25°51'07		-12017 Jan 24 j 06:45	0° \mathbb{M}	
retrograde	-12018 Mar 09 j 07:15	10° \mathbb{M} 54'15		evening max el	-12017 Feb 04 j 23:07	14° \mathbb{M} 39'40	24°27'03
desc. node	-12018 Mar 12 j 16:57	10° \mathbb{M} 52'53		retrograde	-12017 Feb 18 j 18:32	21° \mathbb{M} 32'48	
evening set	-12018 Mar 14 j 20:11	9° \mathbb{M} 39'56		evening set	-12017 Feb 23 j 05:32	20° \mathbb{M} 48'00	
min. Earth dist.	-12018 Mar 19 j 18:23	6° \mathbb{M} 46'03	0.58324 AU	desc. node	-12017 Feb 27 j 13:55	18° \mathbb{M} 48'22	
inferior conj	-12018 Mar 22 j 23:31	4° \mathbb{M} 24'46	-2°20'36	min. Earth dist.	-12017 Mar 01 j 12:32	17° \mathbb{M} 38'26	0.56687 AU
minimum elong	-12018 Mar 22 j 19:58	4° \mathbb{M} 31'19	2°20'30	inferior conj	-12017 Mar 04 j 00:10	16° \mathbb{M} 02'58	-1°05'53
morning rise	-12018 Mar 30 j 22:54	29° \mathbb{M} 58'58		minimum elong	-12017 Mar 03 j 21:44	16° \mathbb{M} 06'53	1°05'50
	-12018 Mar 30 j 21:16	30° \mathbb{M}		morning rise	-12017 Mar 12 j 17:03	11° \mathbb{M} 53'22	
direct	-12018 Apr 02 j 06:18	29° \mathbb{M} 41'21		direct	-12017 Mar 14 j 21:03	11° \mathbb{M} 40'23	
	-12018 Apr 04 j 13:54	0° \mathbb{M}		morning max el	-12017 Mar 24 j 09:48	16° \mathbb{M} 10'38	19°30'56
morning max el	-12018 Apr 10 j 09:21	3° \mathbb{M} 34'14	18°41'47		-12017 Apr 03 j 10:18	0° \mathbb{M}	
asc. node	-12018 Apr 21 j 14:30	19° \mathbb{M} 53'43		asc. node	-12017 Apr 08 j 11:25	9° \mathbb{M} 24'17	
morning set	-12018 Apr 26 j 17:00	29° \mathbb{M} 32'45		morning set	-12017 Apr 10 j 15:38	13° \mathbb{M} 42'03	
	-12018 Apr 26 j 22:39	0° \approx					
superior conj	-12018 May 05 j 18:15	16° \approx 55'31	1°39'21	superior conj	-12017 Apr 18 j 22:07	0° \approx 11'47	1°23'13
minimum elong	-12018 May 05 j 15:33	16° \approx 42'52	1°38'41	minimum elong	-12017 Apr 18 j 19:04	29° \mathbb{M} 56'50	1°22'15
max. Earth dist.	-12018 May 12 j 17:28	29° \approx 36'59	1.39290 AU		-12017 Apr 18 j 19:42	0° \approx	
	-12018 May 12 j 22:41	0° \mathbb{M}		max. Earth dist.	-12017 Apr 24 j 18:13	11° \approx 21'14	1.37455 AU
evening rise	-12018 May 17 j 00:02	7° \mathbb{M} 01'10		evening rise	-12017 Apr 28 j 18:35	18° \approx 39'47	
	-12018 May 31 j 09:42	0° \mathbb{M}			-12017 May 05 j 08:37	0° \mathbb{M}	
desc. node	-12018 Jun 08 j 14:44	11° \mathbb{M} 48'12			-12017 May 25 j 12:50	0° \mathbb{M}	
evening max el	-12018 Jun 21 j 05:47	27° \mathbb{M} 14'22	23°54'04	desc. node	-12017 May 26 j 12:14	1° \mathbb{M} 15'00	
	-12018 Jun 24 j 05:41	0° \mathbb{M}		evening max el	-12017 Jun 03 j 15:16	10° \mathbb{M} 34'52	25°13'18
retrograde	-12018 Jul 02 j 00:24	3° \mathbb{M} 37'57		retrograde	-12017 Jun 15 j 12:06	17° \mathbb{M} 33'34	
evening set	-12018 Jul 07 j 07:48	1° \mathbb{M} 20'22		evening set	-12017 Jun 21 j 09:55	14° \mathbb{M} 58'38	
	-12018 Jul 08 j 16:29	30° \mathbb{M}		min. Earth dist.	-12017 Jun 25 j 19:22	9° \mathbb{M} 56'30	0.66753 AU
min. Earth dist.	-12018 Jul 12 j 02:52	25° \mathbb{M} 40'10	0.67163 AU	inferior conj	-12017 Jun 26 j 17:40	8° \mathbb{M} 42'45	-2°25'29
inferior conj	-12018 Jul 12 j 13:12	25° \mathbb{M} 04'51	-1°47'41	minimum elong	-12017 Jun 26 j 19:57	8° \mathbb{M} 35'10	2°24'48
minimum elong	-12018 Jul 12 j 15:09	24° \mathbb{M} 58'10	1°46'46	morning rise	-12017 Jul 02 j 06:01	2° \mathbb{M} 41'14	
morning rise	-12018 Jul 17 j 22:27	18° \mathbb{M} 53'38		direct	-12017 Jul 05 j 20:12	1° \mathbb{M} 26'19	
asc. node	-12018 Jul 18 j 15:32	18° \mathbb{M} 23'55		asc. node	-12017 Jul 05 j 12:19	1° \mathbb{M} 26'56	
direct	-12018 Jul 21 j 22:37	17° \mathbb{M} 22'35		morning max el	-12017 Jul 13 j 09:25	5° \mathbb{M} 50'28	19°54'31
morning max el	-12018 Jul 30 j 09:12	22° \mathbb{M} 23'57	21°02'11		-12017 Jul 30 j 18:38	0° \mathbb{M}	
	-12018 Aug 05 j 17:17	0° \mathbb{M}		morning set	-12017 Aug 08 j 01:21	12° \mathbb{M} 49'19	
	-12018 Aug 26 j 03:19	0° \mathbb{M}			-12017 Aug 18 j 23:37	0° \mathbb{M}	
morning set	-12018 Aug 28 j 22:08	4° \mathbb{M} 19'39		max. Earth dist.	-12017 Aug 20 j 08:11	2° \mathbb{M} 09'33	1.44034 AU
desc. node	-12018 Sep 04 j 11:46	14° \mathbb{M} 44'07		desc. node	-12017 Aug 22 j 08:59	5° \mathbb{M} 24'42	
max. Earth dist.	-12018 Sep 06 j 19:44	18° \mathbb{M} 30'18	1.42861 AU				
superior conj	-12018 Sep 13 j 08:56	29° \mathbb{M} 20'51	-0°51'40	superior conj	-12017 Aug 24 j 11:44	8° \mathbb{M} 48'58	-0°12'39
minimum elong	-12018 Sep 13 j 04:51	29° \mathbb{M} 03'42	0°50'29	minimum elong	-12017 Aug 24 j 10:25	8° \mathbb{M} 43'37	0°11'51
	-12018 Sep 13 j 18:12	0° \mathbb{M}		behind sun begin	-12017 Aug 24 j 02:56	8° \mathbb{M} 13'24	
evening rise	-12018 Sep 25 j 05:34	19° \mathbb{M} 58'21		behind sun end	-12017 Aug 24 j 17:54	9° \mathbb{M} 13'52	
	-12018 Sep 30 j 21:43	0° Ω			-12017 Sep 06 j 07:13	0° \mathbb{M}	
evening max el	-12018 Oct 12 j 00:26	16° Ω 20'57	18°07'05	evening rise	-12017 Sep 07 j 08:20	1° \mathbb{M} 46'07	
asc. node	-12018 Oct 14 j 15:19	18° Ω 32'02		evening max el	-12017 Sep 25 j 14:08	29° \mathbb{M} 44'31	18°18'20
retrograde	-12018 Oct 18 j 18:18	19° Ω 53'37			-12017 Sep 25 j 20:18	0° Ω	
evening set	-12018 Oct 21 j 07:49	19° Ω 22'36		asc. node	-12017 Oct 01 j 12:31	3° Ω 18'07	
inferior conj	-12018 Oct 28 j 01:26	14° Ω 12'10	3°30'52	retrograde	-12017 Oct 02 j 04:51	3° Ω 20'34	
minimum elong	-12018 Oct 27 j 21:38	14° Ω 21'35	3°30'33	evening set	-12017 Oct 04 j 22:29	2° Ω 41'08	
					-12017 Oct 08 j 13:51	30° \mathbb{M}	
				inferior conj	-12017 Oct 11 j 05:39	27° \mathbb{M} 12'47	2°46'36

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-12017 Oct 11 j 02:05	27° ☿ 22'36	2°46'12	evening set	-12016 Sep 17 j 21:38	16° ☿ 11'00	
min. Earth dist.	-12017 Oct 13 j 10:54	24° ☿ 46'05	0.63709 AU	inferior conj	-12016 Sep 23 j 19:51	10° ☿ 27'38	1°56'35
morning rise	-12017 Oct 17 j 04:53	21° ☿ 12'18		minimum elong	-12016 Sep 23 j 17:12	10° ☿ 35'36	1°56'22
direct	-12017 Oct 24 j 03:08	18° ☿ 29'26		min. Earth dist.	-12016 Sep 25 j 12:18	8° ☿ 25'52	0.65020 AU
morning max el	-12017 Nov 06 j 15:52	26° ☿ 02'15	27°26'34	morning rise	-12016 Sep 29 j 12:15	4° ☿ 16'38	
	-12017 Nov 10 j 10:05	0° Ω		direct	-12016 Oct 06 j 01:06	1° ☿ 34'11	
desc. node	-12017 Nov 18 j 09:01	10° Ω 01'45		morning max el	-12016 Oct 19 j 01:55	9° ☿ 02'32	26°49'43
	-12017 Dec 01 j 05:47	0° ♊		desc. node	-12016 Nov 04 j 05:43	29° ☿ 18'52	
morning set	-12017 Dec 11 j 04:52	18° ♊ 26'22			-12016 Nov 04 j 16:53	0° Ω	
max. Earth dist.	-12017 Dec 16 j 09:06	29° ♊ 00'44	1.33709 AU		-12016 Nov 22 j 13:47	0° ♊	
	-12017 Dec 16 j 20:24	0° ♈		morning set	-12016 Nov 23 j 16:20	2° ♊ 05'55	
				max. Earth dist.	-12016 Nov 28 j 04:15	10° ♊ 55'25	1.34776 AU
superior conj	-12017 Dec 18 j 23:03	4° ♈ 28'30	-1°17'09				
minimum elong	-12017 Dec 19 j 01:06	4° ♈ 39'26	1°16'56	superior conj	-12016 Dec 02 j 02:39	18° ♊ 58'48	-1°29'39
evening rise	-12017 Dec 26 j 02:51	19° ♈ 44'57		minimum elong	-12016 Dec 02 j 04:18	19° ♊ 07'23	1°29'22
asc. node	-12017 Dec 28 j 10:16	24° ♈ 31'03			-12016 Dec 07 j 08:39	0° ♈	
	-12017 Dec 31 j 04:44	0° ♊		evening rise	-12016 Dec 09 j 12:39	4° ♈ 31'30	
evening max el	-12016 Jan 17 j 16:45	25° ♊ 31'21	22°53'22	asc. node	-12016 Dec 14 j 07:40	14° ♈ 08'43	
	-12016 Jan 23 j 19:22	0° ♊			-12016 Dec 23 j 20:59	0° ♊	
retrograde	-12016 Jan 30 j 17:37	1° ♊ 48'36		evening max el	-12016 Dec 29 j 15:16	6° ♊ 37'06	21°22'54
evening set	-12016 Feb 03 j 05:02	1° ♊ 22'11		retrograde	-12015 Jan 10 j 08:12	12° ♊ 08'03	
	-12016 Feb 06 j 23:38	30° ♊		evening set	-12015 Jan 13 j 05:19	11° ♊ 49'10	
min. Earth dist.	-12016 Feb 11 j 04:23	27° ♊ 45'06	0.55671 AU	inferior conj	-12015 Jan 22 j 04:49	7° ♊ 49'13	2°15'22
inferior conj	-12016 Feb 12 j 07:08	27° ♊ 06'05	0°33'04	minimum elong	-12015 Jan 22 j 10:01	7° ♊ 41'47	2°13'30
minimum elong	-12016 Feb 12 j 08:31	27° ♊ 04'04	0°32'04	min. Earth dist.	-12015 Jan 22 j 18:35	7° ♊ 29'31	0.55489 AU
desc. node	-12016 Feb 14 j 10:47	25° ♊ 52'04		desc. node	-12015 Jan 31 j 07:33	3° ♊ 41'17	
morning rise	-12016 Feb 21 j 13:30	23° ♊ 02'43		morning rise	-12015 Jan 31 j 14:04	3° ♊ 37'43	
direct	-12016 Feb 23 j 19:37	22° ♊ 50'31		direct	-12015 Feb 03 j 10:55	3° ♊ 19'25	
morning max el	-12016 Mar 06 j 00:05	28° ♊ 10'02	20°39'29	morning max el	-12015 Feb 16 j 02:55	9° ♊ 28'32	22°05'04
	-12016 Mar 07 j 19:11	0° ♊			-12015 Mar 02 j 14:43	0° ♊	
morning set	-12016 Mar 24 j 21:05	28° ♊ 16'54		morning set	-12015 Mar 09 j 06:52	13° ♊ 08'59	
asc. node	-12016 Mar 25 j 08:26	29° ♊ 14'53		asc. node	-12015 Mar 12 j 05:32	19° ♊ 19'22	
	-12016 Mar 25 j 17:15	0° ♈					
superior conj	-12016 Apr 01 j 14:06	14° ♈ 08'18	1°02'48	superior conj	-12015 Mar 16 j 14:34	28° ♊ 33'36	0°40'07
minimum elong	-12016 Apr 01 j 11:31	13° ♈ 55'10	1°01'44	minimum elong	-12015 Mar 16 j 12:52	28° ♊ 24'40	0°39'07
max. Earth dist.	-12016 Apr 06 j 01:30	23° ♈ 04'45	1.35852 AU		-12015 Mar 17 j 07:05	0° ♈	
	-12016 Apr 09 j 16:04	0° ♈		max. Earth dist.	-12015 Mar 19 j 18:57	5° ♈ 09'33	1.34579 AU
evening rise	-12016 Apr 10 j 10:20	1° ♈ 25'27		evening rise	-12015 Mar 24 j 17:34	15° ♈ 00'34	
	-12016 Apr 27 j 09:47	0° ♈			-12015 Apr 01 j 21:34	0° ♈	
desc. node	-12016 May 12 j 09:41	20° ♈ 03'15		evening max el	-12015 Apr 22 j 00:44	0° ♈	
evening max el	-12016 May 16 j 01:24	23° ♈ 56'28	26°20'37	desc. node	-12015 Apr 28 j 12:22	7° ♈ 11'30	27°07'32
	-12016 May 23 j 21:58	0° ♈		retrograde	-12015 Apr 29 j 07:02	7° ♈ 56'24	
retrograde	-12016 May 28 j 19:10	1° ♈ 18'00		evening set	-12015 May 11 j 20:53	14° ♈ 43'37	
	-12016 Jun 02 j 06:09	30° ♈		min. Earth dist.	-12015 May 18 j 16:30	11° ♈ 58'10	0.64815 AU
evening set	-12016 Jun 04 j 05:42	28° ♈ 32'43		inferior conj	-12015 May 22 j 11:27	8° ♈ 12'31	-3°17'27
min. Earth dist.	-12016 Jun 08 j 06:58	24° ♈ 09'44	0.65978 AU	minimum elong	-12015 May 24 j 13:22	5° ♈ 48'43	3°17'27
inferior conj	-12016 Jun 09 j 18:29	22° ♈ 18'46	-2°56'05	morning rise	-12015 May 24 j 14:56	5° ♈ 44'12	3°17'36
minimum elong	-12016 Jun 09 j 20:41	22° ♈ 11'54	2°55'47		-12015 May 30 j 13:48	0° ♈ 15'01	
morning rise	-12016 Jun 15 j 11:49	16° ♈ 29'46			-12015 May 31 j 01:59	30° ♈	
direct	-12016 Jun 18 j 17:57	15° ♈ 28'56		direct	-12015 Jun 02 j 13:36	29° ♈ 26'17	
asc. node	-12016 Jun 21 j 09:04	16° ♈ 06'32			-12015 Jun 05 j 01:51	0° ♈	
morning max el	-12016 Jun 25 j 15:45	19° ♈ 23'13	19°01'09	asc. node	-12015 Jun 08 j 05:49	2° ♈ 09'42	
	-12016 Jul 03 j 18:35	0° ♈		morning max el	-12015 Jun 09 j 02:43	2° ♈ 59'45	18°24'13
morning set	-12016 Jul 17 j 16:59	21° ♈ 54'08			-12015 Jun 27 j 02:22	0° ♈	
	-12016 Jul 22 j 19:05	0° ♈		morning set	-12015 Jun 28 j 08:21	2° ♈ 04'28	
max. Earth dist.	-12016 Aug 01 j 23:59	16° ♈ 09'46	1.44564 AU				
superior conj	-12016 Aug 02 j 16:34	17° ♈ 15'21	0°32'38	superior conj	-12015 Jul 12 j 17:59	25° ♈ 33'05	1°13'03
minimum elong	-12016 Aug 02 j 20:28	17° ♈ 30'49	0°32'40	minimum elong	-12015 Jul 13 j 00:36	25° ♈ 59'33	1°12'42
desc. node	-12016 Aug 08 j 06:19	26° ♈ 05'51		max. Earth dist.	-12015 Jul 15 j 16:31	0° ♈ 14'06	1.44387 AU
	-12016 Aug 10 j 17:04	0° ♈			-12015 Jul 15 j 12:58	0° ♈	
evening rise	-12016 Aug 18 j 10:30	12° ♈ 25'03		desc. node	-12015 Jul 26 j 03:43	16° ♈ 44'07	
	-12016 Aug 29 j 09:28	0° ♈		evening rise	-12015 Jul 29 j 09:12	21° ♈ 47'39	
evening max el	-12016 Sep 08 j 02:51	13° ♈ 13'59	18°47'16		-12015 Aug 03 j 15:18	0° ♈	
retrograde	-12016 Sep 14 j 21:30	17° ♈ 02'00		greatest brilliancy	-12015 Aug 08 j 23:44	8° ♈ 16'36	-0.7m
asc. node	-12016 Sep 17 j 09:38	16° ♈ 26'29		evening max el	-12015 Aug 22 j 11:50	26° ♈ 44'16	19°32'47
					-12015 Aug 26 j 13:21	0° ♈	
				retrograde	-12015 Aug 29 j 17:21	0° ♈ 53'20	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12015 Sep 01 j 18:08	30° κ II		asc. node	-12014 Aug 22 j 03:35	8° Π 16'03	
evening set	-12015 Sep 02 j 02:16	29° Π 47'25		inferior conj	-12014 Aug 22 j 19:35	7° Π 22'18	0°12'37
asc. node	-12015 Sep 04 j 06:38	27° Π 57'28		minimum elong	-12014 Aug 22 j 19:18	7° Π 23'18	0°13'08
inferior conj	-12015 Sep 07 j 17:17	23° Π 51'59	1°04'28	transit middle	-12014 Aug 22 j 19:18	7° Π 23'18	0°13'08
minimum elong	-12015 Sep 07 j 15:48	23° Π 56'44	1°04'35	transit begin	-12014 Aug 22 j 17:39	7° Π 28'50	
min. Earth dist.	-12015 Sep 08 j 21:40	22° Π 20'35	0.66016 AU	transit end	-12014 Aug 22 j 20:56	7° Π 17'46	
morning rise	-12015 Sep 13 j 05:01	17° Π 34'11		min. Earth dist.	-12014 Aug 23 j 12:51	6° Π 24'07	0.66713 AU
direct	-12015 Sep 19 j 04:50	15° Π 01'33		morning rise	-12014 Aug 28 j 04:30	1° Π 01'25	
morning max el	-12015 Oct 01 j 12:01	22° Π 14'40	25°48'52		-12014 Aug 29 j 13:06	30° κ 8	
	-12015 Oct 08 j 09:04	0° \mathfrak{C}		direct	-12014 Sep 02 j 13:58	28° \mathfrak{C} 44'13	
desc. node	-12015 Oct 22 j 02:31	19° \mathfrak{C} 06'43			-12014 Sep 07 j 00:39	0° Π	
	-12015 Oct 28 j 22:48	0° Ω		morning max el	-12014 Sep 13 j 21:51	5° Π 30'09	24°32'09
morning set	-12015 Nov 06 j 13:12	14° Ω 57'49			-12014 Oct 02 j 21:25	0° \mathfrak{C}	
max. Earth dist.	-12015 Nov 10 j 12:59	22° Ω 25'27	1.36265 AU	desc. node	-12014 Oct 08 j 23:22	9° \mathfrak{C} 15'28	
	-12015 Nov 14 j 10:16	0° \mathfrak{M}		morning set	-12014 Oct 19 j 14:13	26° \mathfrak{C} 46'51	
					-12014 Oct 21 j 10:16	0° Ω	
superior conj	-12015 Nov 15 j 22:53	3° \mathfrak{M} 02'50	-1°36'55	max. Earth dist.	-12014 Oct 23 j 13:47	3° Ω 50'26	1.38094 AU
minimum elong	-12015 Nov 15 j 23:35	3° \mathfrak{M} 06'21	1°36'34				
evening rise	-12015 Nov 23 j 19:18	19° \mathfrak{M} 04'05		superior conj	-12014 Oct 30 j 08:12	16° Ω 29'04	-1°37'18
	-12015 Nov 29 j 08:48	0° \mathfrak{L}		minimum elong	-12014 Oct 30 j 07:23	16° Ω 25'05	1°36'47
asc. node	-12015 Dec 01 j 05:02	3° \mathfrak{L} 21'11			-12014 Nov 06 j 05:15	0° \mathfrak{M}	
evening max el	-12015 Dec 11 j 22:42	18° \mathfrak{L} 12'44	20°05'29	evening rise	-12014 Nov 07 j 20:38	3° \mathfrak{M} 15'18	
retrograde	-12015 Dec 22 j 01:55	22° \mathfrak{L} 58'30		asc. node	-12014 Nov 18 j 02:22	21° \mathfrak{M} 58'50	
evening set	-12015 Dec 24 j 16:43	22° \mathfrak{L} 40'52			-12014 Nov 24 j 07:20	0° \mathfrak{L}	
inferior conj	-12014 Jan 02 j 06:27	18° \mathfrak{L} 38'49	3°33'12	evening max el	-12014 Nov 24 j 16:18	0° \mathfrak{L} 21'50	19°06'30
minimum elong	-12014 Jan 02 j 11:42	18° \mathfrak{L} 30'44	3°32'01	retrograde	-12014 Dec 03 j 09:28	4° \mathfrak{L} 31'47	
min. Earth dist.	-12014 Jan 04 j 07:42	17° \mathfrak{L} 23'29	0.56158 AU	evening set	-12014 Dec 05 j 21:32	4° \mathfrak{L} 12'39	
morning rise	-12014 Jan 11 j 04:53	14° \mathfrak{L} 06'58		inferior conj	-12014 Dec 13 j 22:49	29° \mathfrak{M} 55'53	4°11'56
direct	-12014 Jan 15 j 05:50	13° \mathfrak{L} 30'53		minimum elong	-12014 Dec 14 j 00:47	29° \mathfrak{M} 52'26	4°11'51
desc. node	-12014 Jan 18 j 04:15	13° \mathfrak{L} 50'31			-12014 Dec 13 j 20:28	30° κ \mathfrak{M}	
morning max el	-12014 Jan 28 j 20:41	20° \mathfrak{L} 17'08	23°41'00	min. Earth dist.	-12014 Dec 16 j 21:36	27° \mathfrak{M} 53'14	0.57506 AU
	-12014 Feb 06 j 00:45	0° \mathfrak{M}		morning rise	-12014 Dec 22 j 02:00	24° \mathfrak{M} 59'32	
morning set	-12014 Feb 21 j 18:56	28° \mathfrak{M} 11'32		direct	-12014 Dec 27 j 11:09	23° \mathfrak{M} 51'48	
	-12014 Feb 22 j 15:34	0° \mathfrak{X}		desc. node	-12013 Jan 05 j 00:55	26° \mathfrak{M} 39'28	
asc. node	-12014 Feb 27 j 02:42	9° \mathfrak{X} 33'03			-12013 Jan 09 j 09:38	0° \mathfrak{L}	
				morning max el	-12013 Jan 10 j 11:27	0° \mathfrak{L} 59'43	25°15'03
superior conj	-12014 Feb 28 j 20:50	13° \mathfrak{X} 19'24	0°16'35		-12013 Jan 30 j 15:41	0° \mathfrak{M}	
minimum elong	-12014 Feb 28 j 20:09	13° \mathfrak{X} 15'44	0°15'47	morning set	-12013 Feb 06 j 07:25	13° \mathfrak{M} 16'50	
max. Earth dist.	-12014 Mar 02 j 22:05	17° \mathfrak{X} 41'50	1.33654 AU				
evening rise	-12014 Mar 08 j 11:51	29° \mathfrak{X} 11'26		superior conj	-12013 Feb 13 j 06:43	28° \mathfrak{M} 17'29	-0°06'49
	-12014 Mar 08 j 21:36	0° \mathfrak{Z}		minimum elong	-12013 Feb 13 j 07:01	28° \mathfrak{M} 19'09	0°07'20
	-12014 Mar 26 j 00:51	0° \approx		behind sun begin	-12013 Feb 13 j 02:31	27° \mathfrak{M} 54'42	
evening max el	-12014 Apr 10 j 22:31	20° \approx 08'36	27°26'59	behind sun end	-12013 Feb 13 j 11:31	28° \mathfrak{M} 43'36	
desc. node	-12014 Apr 16 j 04:17	24° \approx 32'24		asc. node	-12013 Feb 13 j 23:54	29° \mathfrak{M} 50'48	
retrograde	-12014 Apr 24 j 16:36	27° \approx 42'58			-12013 Feb 14 j 01:36	0° \mathfrak{X}	
evening set	-12014 May 01 j 15:16	25° \approx 09'48		max. Earth dist.	-12013 Feb 14 j 07:54	0° \mathfrak{X} 34'04	1.33061 AU
min. Earth dist.	-12014 May 05 j 07:16	21° \approx 55'07	0.63271 AU	evening rise	-12013 Feb 20 j 13:45	13° \mathfrak{X} 46'09	
inferior conj	-12014 May 07 j 23:38	19° \approx 08'01	-3°26'39		-12013 Mar 01 j 00:37	0° \mathfrak{Z}	
minimum elong	-12014 May 07 j 23:57	19° \approx 07'10	3°27'07		-12013 Mar 21 j 16:32	0° \approx	
morning rise	-12014 May 14 j 09:38	13° \approx 51'58		evening max el	-12013 Mar 24 j 05:25	2° \approx 35'54	27°14'39
direct	-12014 May 17 j 04:17	13° \approx 13'48		desc. node	-12013 Apr 03 j 01:26	9° \approx 21'22	
morning max el	-12014 May 23 j 16:18	16° \approx 36'46	18°04'59	retrograde	-12013 Apr 07 j 05:40	10° \approx 07'28	
asc. node	-12014 May 26 j 02:36	19° \approx 21'04		evening set	-12013 Apr 13 j 22:42	7° \approx 59'21	
	-12014 Jun 02 j 05:17	0° \mathfrak{X}		min. Earth dist.	-12013 Apr 17 j 18:00	5° \approx 04'01	0.61412 AU
morning set	-12014 Jun 10 j 00:33	13° \mathfrak{X} 24'35		inferior conj	-12013 Apr 20 j 22:00	2° \approx 09'44	-3°19'24
	-12014 Jun 19 j 17:04	0° \mathfrak{Y}		minimum elong	-12013 Apr 20 j 20:36	2° \approx 12'59	3°19'54
					-12013 Apr 23 j 08:43	30° κ \mathfrak{Z}	
superior conj	-12014 Jun 22 j 13:11	4° \mathfrak{Y} 43'37	1°39'09	morning rise	-12013 Apr 27 j 20:22	27° \mathfrak{Z} 13'05	
minimum elong	-12014 Jun 22 j 17:38	5° \mathfrak{Y} 02'01	1°38'55	direct	-12013 Apr 30 j 10:29	26° \mathfrak{Z} 44'07	
max. Earth dist.	-12014 Jun 28 j 06:35	14° \mathfrak{Y} 04'23	1.43536 AU	morning max el	-12013 May 07 j 05:57	0° \approx 08'20	18°04'13
evening rise	-12014 Jul 08 j 11:56	0° \mathfrak{Z} 14'27			-12013 May 07 j 02:29	0° \approx	
	-12014 Jul 08 j 08:13	0° \mathfrak{Z}		asc. node	-12013 May 12 j 23:25	7° \approx 25'55	
desc. node	-12014 Jul 13 j 01:08	7° \mathfrak{Z} 15'59		morning set	-12013 May 23 j 13:51	25° \approx 46'27	
	-12014 Jul 28 j 09:36	0° Π			-12013 May 25 j 21:39	0° \mathfrak{X}	
evening max el	-12014 Aug 05 j 14:47	10° Π 11'16	20°33'13				
retrograde	-12014 Aug 13 j 14:06	14° Π 50'52		superior conj	-12013 Jun 03 j 11:17	15° \mathfrak{X} 14'21	1°48'58
evening set	-12014 Aug 17 j 09:55	13° Π 26'52		minimum elong	-12013 Jun 03 j 11:59	15° \mathfrak{X} 17'23	1°48'46

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

max. Earth dist.	-12013 Jun 10 j 15:10	27° X 22'19	1.42130 AU			-12012 Jun 03 j 23:18	0° Y	
	-12013 Jun 12 j 05:28	0° Y		desc. node		-12012 Jun 15 j 20:04	17° Y 43'51	
evening rise	-12013 Jun 17 j 15:23	8° Y 43'43				-12012 Jun 24 j 23:16	0° Z	
desc. node	-12013 Jun 29 j 22:35	27° Y 37'40		evening max el		-12012 Jul 01 j 00:32	6° Z 53'55	23°06'41
	-12013 Jul 01 j 13:05	0° Z		retrograde		-12012 Jul 11 j 03:16	12° Z 54'16	
evening max el	-12013 Jul 19 j 10:42	23° Z 33'57	21°45'58	evening set		-12012 Jul 16 j 02:03	10° Z 48'43	
retrograde	-12013 Jul 28 j 09:54	28° Z 52'12		inferior conj		-12012 Jul 21 j 07:10	4° Z 34'16	-1°23'15
evening set	-12013 Aug 01 j 18:28	27° Z 07'50		minimum elong		-12012 Jul 21 j 08:45	4° Z 28'45	1°22'20
inferior conj	-12013 Aug 07 j 00:49	20° Z 57'01	-0°37'07	min. Earth dist.		-12012 Jul 21 j 03:18	4° Z 47'35	0.67238 AU
minimum elong	-12013 Aug 07 j 01:35	20° Z 54'23	0°36'18			-12012 Jul 24 j 20:44	30° R Y	
min. Earth dist.	-12013 Aug 07 j 07:34	20° Z 33'45	0.67122 AU	asc. node		-12012 Jul 25 j 21:19	28° Y 57'39	
asc. node	-12013 Aug 09 j 00:28	18° Z 15'47		morning rise		-12012 Jul 26 j 15:23	28° Y 18'36	
morning rise	-12013 Aug 12 j 08:35	14° Z 36'50		direct		-12012 Jul 30 j 22:08	26° Y 37'19	
direct	-12013 Aug 17 j 04:02	12° Z 37'27				-12012 Aug 06 j 19:43	0° Z	
morning max el	-12013 Aug 27 j 08:45	18° Z 45'50	23°08'28	morning max el		-12012 Aug 08 j 23:14	2° Z 02'58	21°46'06
	-12013 Sep 05 j 17:16	0° II				-12012 Aug 29 j 16:54	0° II	
desc. node	-12013 Sep 25 j 20:18	29° II 38'54		morning set		-12012 Sep 09 j 12:32	16° II 41'12	
	-12013 Sep 26 j 01:36	0° E		desc. node		-12012 Sep 11 j 17:21	20° II 11'53	
morning set	-12013 Sep 30 j 14:24	7° E 21'26		max. Earth dist.		-12012 Sep 16 j 15:28	28° II 12'52	1.41943 AU
max. Earth dist.	-12013 Oct 05 j 12:36	15° E 39'24	1.40074 AU			-12012 Sep 17 j 17:17	0° E	
superior conj	-12013 Oct 13 j 02:10	29° E 05'19	-1°28'41	superior conj		-12012 Sep 23 j 23:13	10° E 37'11	-1°08'48
minimum elong	-12013 Oct 12 j 23:27	28° E 52'56	1°27'53	minimum elong		-12012 Sep 23 j 19:06	10° E 19'21	1°07'42
	-12013 Oct 13 j 14:05	0° O		evening rise		-12012 Oct 04 j 20:03	0° O 05'28	
evening rise	-12013 Oct 22 j 14:01	16° O 58'31				-12012 Oct 04 j 18:51	0° O	
	-12013 Oct 29 j 14:31	0° P		evening max el		-12012 Oct 21 j 04:27	26° O 03'48	18°09'09
asc. node	-12013 Nov 04 j 23:39	9° P 50'37		asc. node		-12012 Oct 21 j 20:54	26° O 42'58	
evening max el	-12013 Nov 07 j 19:03	13° P 01'14	18°27'46	retrograde		-12012 Oct 28 j 03:31	29° O 38'09	
retrograde	-12013 Nov 15 j 10:29	16° P 47'33		evening set		-12012 Oct 30 j 15:46	29° O 10'46	
evening set	-12013 Nov 17 j 21:46	16° P 25'09		inferior conj		-12012 Nov 06 j 16:01	24° O 12'17	3°51'41
inferior conj	-12013 Nov 25 j 10:18	11° P 48'06	4°14'36	minimum elong		-12012 Nov 06 j 12:35	24° O 20'12	3°51'33
minimum elong	-12013 Nov 25 j 08:47	11° P 51'09	4°14'45	min. Earth dist.		-12012 Nov 09 j 15:42	21° O 28'02	0.61098 AU
min. Earth dist.	-12013 Nov 28 j 15:16	9° P 14'22	0.59252 AU	morning rise		-12012 Nov 13 j 08:05	18° O 35'43	
morning rise	-12013 Dec 02 j 18:01	6° P 29'56		direct		-12012 Nov 20 j 07:31	16° O 17'45	
direct	-12013 Dec 09 j 04:20	4° P 44'09		morning max el		-12012 Dec 04 j 05:34	23° O 43'47	27°20'23
desc. node	-12013 Dec 22 j 21:35	11° P 44'49		desc. node		-12012 Dec 08 j 18:14	28° O 33'05	
morning max el	-12013 Dec 23 j 05:25	12° P 03'25	26°32'08			-12012 Dec 09 j 23:33	0° P	
	-12012 Jan 06 j 08:06	0° A				-12012 Dec 29 j 09:45	0° A	
morning set	-12012 Jan 21 j 18:31	28° A 18'08		morning set		-12011 Jan 05 j 02:22	13° A 08'30	
	-12012 Jan 22 j 13:56	0° M		max. Earth dist.		-12011 Jan 11 j 09:47	26° A 34'05	1.32862 AU
superior conj	-12012 Jan 28 j 18:21	13° M 21'19	-0°29'12	superior conj		-12011 Jan 12 j 06:06	28° A 24'45	-0°49'52
minimum elong	-12012 Jan 28 j 19:30	13° M 27'36	0°29'26	minimum elong		-12011 Jan 12 j 07:52	28° A 34'22	0°49'53
max. Earth dist.	-12012 Jan 28 j 20:57	13° M 35'32	1.32796 AU			-12011 Jan 12 j 23:34	0° M	
asc. node	-12012 Jan 31 j 21:10	20° M 08'28		asc. node		-12011 Jan 17 j 18:28	10° M 21'57	
evening rise	-12012 Feb 04 j 20:44	28° M 36'01		evening rise		-12011 Jan 19 j 06:45	13° M 33'49	
	-12012 Feb 05 j 12:58	0° J				-12011 Jan 27 j 16:18	0° J	
	-12012 Feb 22 j 11:43	0° Z		evening max el		-12011 Feb 15 j 04:03	25° J 43'44	25°17'33
evening max el	-12012 Mar 05 j 07:20	14° Z 26'47	26°29'55			-12011 Feb 20 j 12:44	0° Z	
retrograde	-12012 Mar 19 j 10:32	21° Z 49'57		retrograde		-12011 Mar 01 j 04:42	2° Z 50'22	
desc. node	-12012 Mar 19 j 22:33	21° Z 49'19		evening set		-12011 Mar 06 j 06:38	1° Z 50'02	
evening set	-12012 Mar 25 j 11:58	20° Z 15'46		desc. node		-12011 Mar 06 j 19:35	1° Z 36'52	
min. Earth dist.	-12012 Mar 29 j 20:46	17° Z 25'05	0.59421 AU			-12011 Mar 09 j 22:10	30° R J	
inferior conj	-12012 Apr 02 j 04:53	14° Z 45'18	-2°49'59	min. Earth dist.		-12011 Mar 11 j 17:38	28° J 50'41	0.57572 AU
minimum elong	-12012 Apr 02 j 01:48	14° Z 51'30	2°50'08	inferior conj		-12011 Mar 14 j 17:08	26° J 47'13	-1°52'37
morning rise	-12012 Apr 09 j 18:27	10° Z 08'26		minimum elong		-12011 Mar 14 j 13:43	26° J 53'11	1°52'26
direct	-12012 Apr 12 j 04:07	9° Z 47'16		morning rise		-12011 Mar 23 j 00:00	22° J 28'38	
morning max el	-12012 Apr 19 j 16:49	13° Z 25'56	18°22'27	direct		-12011 Mar 25 j 05:37	22° J 13'20	
asc. node	-12012 Apr 28 j 20:17	26° Z 11'33		morning max el		-12011 Apr 02 j 21:57	26° J 20'44	19°00'09
	-12012 Apr 30 j 23:49	0° A				-12011 Apr 06 j 04:44	0° Z	
morning set	-12012 May 05 j 19:23	8° A 58'29		asc. node		-12011 Apr 15 j 17:12	15° Z 28'43	
				morning set		-12011 Apr 19 j 12:53	22° Z 50'35	
superior conj	-12012 May 15 j 10:27	27° A 00'34	1°45'38			-12011 Apr 23 j 04:13	0° A	
minimum elong	-12012 May 15 j 08:31	26° A 51'48	1°45'10	superior conj		-12011 Apr 28 j 05:24	9° A 48'43	1°33'11
	-12012 May 17 j 02:02	0° X		minimum elong		-12011 Apr 28 j 02:26	9° A 34'28	1°32'23
max. Earth dist.	-12012 May 22 j 17:56	9° X 58'05	1.40369 AU	max. Earth dist.		-12011 May 04 j 18:13	21° A 57'51	1.38501 AU
evening rise	-12012 May 27 j 15:48	18° X 14'52						

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening rise	-12011 May 08 j 19:51	29°≈09'38		evening rise	-12010 Apr 21 j 00:10	11°≈19'04	
	-12011 May 09 j 07:30	0°✠			-12010 May 01 j 22:19	0°✠	
	-12011 May 28 j 08:11	0°☿		desc. node	-12010 May 20 j 15:01	26°✠39'58	
desc. node	-12011 Jun 02 j 17:33	7°☿27'48			-12010 May 23 j 11:10	0°☿	
evening max el	-12011 Jun 13 j 10:57	20°☿14'44	24°28'40	evening max el	-12010 May 26 j 20:40	3°☿36'49	25°43'49
retrograde	-12011 Jun 24 j 17:09	26°☿53'54		retrograde	-12010 Jun 08 j 02:48	10°☿45'57	
evening set	-12011 Jun 30 j 06:44	24°☿28'36		evening set	-12010 Jun 14 j 06:28	8°☿05'33	
min. Earth dist.	-12011 Jul 04 j 21:41	19°☿04'09	0.67038 AU	min. Earth dist.	-12010 Jun 18 j 12:17	3°☿20'14	0.66480 AU
inferior conj	-12011 Jul 05 j 12:51	18°☿12'51	-2°04'30	inferior conj	-12010 Jun 19 j 16:03	1°☿50'28	-2°39'28
minimum elong	-12011 Jul 05 j 15:00	18°☿05'36	2°03'39	minimum elong	-12010 Jun 19 j 18:21	1°☿43'00	2°38'55
morning rise	-12011 Jul 10 j 23:13	12°☿05'14			-12010 Jun 21 j 02:48	30°✠	
asc. node	-12011 Jul 12 j 18:08	11°☿04'36		morning rise	-12010 Jun 25 j 06:17	25°✠54'06	
direct	-12011 Jul 14 j 18:59	10°☿41'03		direct	-12010 Jun 28 j 16:54	24°✠45'21	
morning max el	-12011 Jul 22 j 19:37	15°☿25'32	20°31'44	asc. node	-12010 Jun 29 j 14:55	24°✠50'03	
	-12011 Aug 03 j 01:23	0°♄		morning max el	-12010 Jul 05 j 22:36	28°✠55'14	19°29'54
morning set	-12011 Aug 19 j 17:25	25°♄14'23			-12010 Jul 06 j 22:45	0°☿	
	-12011 Aug 22 j 18:33	0°♂			-12010 Jul 27 j 12:10	0°♄	
desc. node	-12011 Aug 29 j 14:29	10°♂50'42		morning set	-12010 Jul 29 j 23:56	3°♄54'17	
max. Earth dist.	-12011 Aug 30 j 01:03	11°♂33'12	1.43437 AU	max. Earth dist.	-12010 Aug 12 j 15:56	25°♄26'22	1.44348 AU
superior conj	-12011 Sep 04 j 18:02	20°♂51'40	-0°36'22	superior conj	-12010 Aug 15 j 10:00	29°♄49'18	0°06'25
minimum elong	-12011 Sep 04 j 14:40	20°♂37'48	0°35'17	minimum elong	-12010 Aug 15 j 10:49	29°♄52'36	0°06'54
	-12011 Sep 10 j 05:02	0°♅		behind sun begin	-12010 Aug 15 j 00:38	29°♄11'56	
evening rise	-12011 Sep 17 j 10:19	12°♅26'01		behind sun end	-12010 Aug 15 j 21:01	0°♂33'18	
	-12011 Sep 27 j 18:06	0°♁			-12010 Aug 15 j 12:40	0°♂	
evening max el	-12011 Oct 04 j 17:28	9°♁21'40	18°09'42	desc. node	-12010 Aug 16 j 11:44	1°♂32'08	
asc. node	-12011 Oct 08 j 18:08	12°♁19'56		evening rise	-12010 Aug 30 j 03:20	23°♂47'00	
retrograde	-12011 Oct 11 j 08:54	12°♁54'24			-12010 Sep 02 j 21:14	0°♅	
evening set	-12011 Oct 14 j 00:01	12°♁19'59		evening max el	-12010 Sep 18 j 07:05	22°♅48'41	18°28'30
inferior conj	-12011 Oct 20 j 12:59	7°♁01'29	3°13'04	retrograde	-12010 Sep 24 j 22:34	26°♅28'51	
minimum elong	-12011 Oct 20 j 09:10	7°♁11'24	3°12'41	asc. node	-12010 Sep 25 j 15:16	26°♅26'12	
min. Earth dist.	-12011 Oct 23 j 01:28	4°♁24'51	0.62825 AU	evening set	-12010 Sep 27 j 18:44	25°♅44'47	
morning rise	-12011 Oct 26 j 17:25	1°♁09'04		inferior conj	-12010 Oct 03 j 21:51	20°♅09'21	2°25'50
	-12011 Oct 28 j 11:40	30°♄		minimum elong	-12010 Oct 03 j 18:37	20°♅18'37	2°25'29
direct	-12011 Nov 02 j 18:34	28°♅31'38		min. Earth dist.	-12010 Oct 05 j 21:29	17°♅52'39	0.64300 AU
	-12011 Nov 08 j 10:29	0°♁		morning rise	-12010 Oct 09 j 17:52	14°♅03'57	
morning max el	-12011 Nov 16 j 11:29	6°♁02'19	27°34'15	direct	-12010 Oct 16 j 12:34	11°♅20'17	
desc. node	-12011 Nov 25 j 14:52	16°♁34'54		morning max el	-12010 Oct 29 j 21:00	18°♅51'57	27°14'29
	-12011 Dec 04 j 20:23	0°♆			-12010 Nov 08 j 11:22	0°♁	
morning set	-12011 Dec 20 j 04:36	27°♆38'50		desc. node	-12010 Nov 12 j 11:33	5°♁29'21	
	-12011 Dec 21 j 08:25	0°♂			-12010 Nov 27 j 17:05	0°♆	
max. Earth dist.	-12011 Dec 25 j 18:35	9°♂15'36	1.33287 AU	morning set	-12010 Dec 03 j 22:28	11°♆40'15	
				max. Earth dist.	-12010 Dec 08 j 19:47	21°♆29'57	1.34111 AU
superior conj	-12011 Dec 27 j 16:11	13°♂20'20	-1°08'06	superior conj	-12010 Dec 11 j 22:46	28°♆01'49	-1°22'59
minimum elong	-12011 Dec 27 j 18:15	13°♂31'26	1°07'57	minimum elong	-12010 Dec 12 j 00:42	28°♆12'06	1°22'45
evening rise	-12010 Jan 03 j 17:57	28°♂31'47			-12010 Dec 12 j 21:05	0°♂	
	-12010 Jan 04 j 10:50	0°♇		evening rise	-12010 Dec 19 j 04:45	13°♂24'11	
asc. node	-12010 Jan 04 j 15:49	0°♇25'53		asc. node	-12010 Dec 22 j 13:10	20°♂14'53	
	-12010 Jan 21 j 22:38	0°♄			-12010 Dec 27 j 17:59	0°♇	
evening max el	-12010 Jan 27 j 21:26	6°♄38'00	23°47'43	evening max el	-12009 Jan 09 j 16:17	17°♇32'08	22°13'47
retrograde	-12010 Feb 10 j 10:14	13°♄16'55		retrograde	-12009 Jan 22 j 04:47	23°♇30'52	
evening set	-12010 Feb 14 j 10:39	12°♄41'21		evening set	-12009 Jan 25 j 09:06	23°♇08'33	
min. Earth dist.	-12010 Feb 21 j 10:27	9°♄22'01	0.56169 AU	inferior conj	-12009 Feb 03 j 11:11	19°♇01'06	1°17'47
desc. node	-12010 Feb 21 j 16:31	9°♄12'53		minimum elong	-12009 Feb 03 j 14:27	18°♇56'26	1°16'14
inferior conj	-12010 Feb 23 j 09:44	8°♄09'56	-0°26'06	min. Earth dist.	-12009 Feb 03 j 01:10	19°♇15'27	0.55486 AU
minimum elong	-12010 Feb 23 j 08:39	8°♄11'35	0°26'24	desc. node	-12009 Feb 08 j 13:20	16°♇19'54	
morning rise	-12010 Mar 04 j 09:11	4°♄04'29		morning rise	-12009 Feb 12 j 20:31	14°♇56'39	
direct	-12010 Mar 06 j 13:16	3°♄52'17		direct	-12009 Feb 15 j 07:01	14°♇43'00	
morning max el	-12010 Mar 16 j 18:17	8°♄42'10	19°57'41	morning max el	-12009 Feb 27 j 03:40	20°♇23'46	21°14'07
	-12010 Mar 30 j 23:14	0°♅			-12009 Mar 06 j 22:31	0°♄	
asc. node	-12010 Apr 02 j 14:11	5°♅08'59		morning set	-12009 Mar 18 j 22:20	21°♄55'29	
morning set	-12010 Apr 03 j 14:48	7°♅12'21		asc. node	-12009 Mar 20 j 11:14	25°♄06'11	
					-12009 Mar 22 j 19:35	0°♅	
superior conj	-12010 Apr 11 j 14:56	23°♅23'48	1°14'58	superior conj	-12009 Mar 26 j 10:54	7°♅33'54	0°53'23
minimum elong	-12010 Apr 11 j 12:01	23°♅09'14	1°13'55	minimum elong	-12009 Mar 26 j 08:40	7°♅22'21	0°52'18
	-12010 Apr 14 j 23:32	0°≈					
max. Earth dist.	-12010 Apr 16 j 21:31	3°≈40'34	1.36747 AU				

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

max. Earth dist.	-12009 Mar 30 j 08:56	15° Z 31'23	1.35268 AU	minimum elong	-12008 Mar 09 j 12:51	22° Z 02'22	0°29'15
evening rise	-12009 Apr 03 j 23:03	24° Z 27'19		max. Earth dist.	-12008 Mar 12 j 06:24	27° Z 46'36	1.34134 AU
	-12009 Apr 06 j 22:33	0° \approx			-12008 Mar 13 j 08:12	0° Z	
	-12009 Apr 25 j 10:50	0° H		evening rise	-12008 Mar 17 j 11:26	8° Z 19'15	
desc. node	-12009 May 07 j 12:26	15° H 07'10			-12008 Mar 29 j 10:59	0° \approx	
evening max el	-12009 May 09 j 07:03	16° H 56'14	26°43'23	evening max el	-12008 Apr 20 j 17:46	0° H 05'05	27°19'31
retrograde	-12009 May 22 j 07:40	24° H 23'47			-12008 Apr 20 j 15:41	0° H	
evening set	-12009 May 28 j 22:47	21° H 36'38		desc. node	-12008 Apr 23 j 09:45	2° H 31'13	
min. Earth dist.	-12009 Jun 01 j 20:58	17° H 30'20	0.65537 AU	retrograde	-12008 May 04 j 07:12	7° H 39'59	
inferior conj	-12009 Jun 03 j 14:38	15° H 24'19	-3°06'27	evening set	-12008 May 11 j 04:56	4° H 58'00	
minimum elong	-12009 Jun 03 j 16:38	15° H 18'15	3°06'20	min. Earth dist.	-12008 May 14 j 21:58	1° H 26'37	0.64198 AU
morning rise	-12009 Jun 09 j 10:44	9° H 41'49			-12008 May 16 j 05:29	30° R \approx	
direct	-12009 Jun 12 j 13:57	8° H 46'28		inferior conj	-12008 May 17 j 06:13	28° \approx 51'02	-3°23'06
asc. node	-12009 Jun 16 j 11:41	10° H 07'11		minimum elong	-12008 May 17 j 07:20	28° \approx 47'57	3°23'24
morning max el	-12009 Jun 19 j 07:13	12° H 30'36	18°43'20	morning rise	-12008 May 23 j 10:25	23° \approx 24'42	
	-12009 Jul 01 j 17:44	0° Y		direct	-12008 May 26 j 07:47	22° \approx 40'49	
morning set	-12009 Jul 10 j 00:55	13° Y 25'04		morning max el	-12008 Jun 01 j 19:39	26° \approx 08'48	18°13'48
	-12009 Jul 20 j 08:36	0° Z		asc. node	-12008 Jun 02 j 08:27	26° \approx 41'51	
					-12008 Jun 05 j 02:28	0° H	
superior conj	-12009 Jul 25 j 10:29	8° Z 03'48	0°51'06	morning set	-12008 Jun 20 j 03:11	24° H 06'08	
minimum elong	-12009 Jul 25 j 16:09	8° Z 26'16	0°50'53		-12008 Jun 23 j 15:08	0° Y	
max. Earth dist.	-12009 Jul 26 j 08:31	9° Z 31'03	1.44573 AU				
desc. node	-12009 Aug 03 j 09:04	22° Z 12'25		superior conj	-12008 Jul 03 j 17:35	16° Y 39'20	1°26'09
	-12009 Aug 08 j 07:01	0° II		minimum elong	-12008 Jul 03 j 23:45	17° Y 04'16	1°25'49
evening rise	-12009 Aug 10 j 17:48	3° II 53'38		max. Earth dist.	-12008 Jul 07 j 23:49	23° Y 29'58	1.44104 AU
	-12009 Aug 27 j 15:13	0° E			-12008 Jul 12 j 02:08	0° Z	
evening max el	-12009 Sep 01 j 18:25	6° E 18'34	19°04'38	evening rise	-12008 Jul 20 j 06:15	12° Z 47'50	
retrograde	-12009 Sep 08 j 17:01	10° E 14'51		desc. node	-12008 Jul 20 j 06:27	12° Z 48'37	
evening set	-12009 Sep 11 j 20:31	9° E 18'01			-12008 Jul 31 j 10:39	0° II	
asc. node	-12009 Sep 12 j 12:19	8° E 52'02		greatest brilliancy	-12008 Aug 01 j 20:58	2° II 09'11	-0.7m
inferior conj	-12009 Sep 17 j 15:26	3° E 28'58	1°34'35	evening max el	-12008 Aug 15 j 01:02	19° II 47'53	19°56'44
minimum elong	-12009 Sep 17 j 13:16	3° E 35'41	1°34'29	retrograde	-12008 Aug 22 j 13:29	24° II 09'01	
min. Earth dist.	-12009 Sep 19 j 02:37	1° E 39'35	0.65477 AU	evening set	-12008 Aug 26 j 02:41	22° II 55'59	
	-12009 Sep 20 j 12:01	30° R II		asc. node	-12008 Aug 29 j 09:19	19° II 47'29	
morning rise	-12009 Sep 23 j 05:35	27° II 14'20		inferior conj	-12008 Aug 31 j 15:13	16° II 56'27	0°42'19
direct	-12009 Sep 29 j 13:01	24° II 35'12		minimum elong	-12008 Aug 31 j 14:15	16° II 59'38	0°42'36
	-12009 Oct 10 j 04:45	0° E		min. Earth dist.	-12008 Sep 01 j 14:52	15° II 38'35	0.66354 AU
morning max el	-12009 Oct 12 j 07:26	1° E 59'17	26°26'19	morning rise	-12008 Sep 06 j 01:32	10° II 36'38	
desc. node	-12009 Oct 30 j 08:16	25° E 00'36		direct	-12008 Sep 11 j 19:19	8° II 09'49	
	-12009 Nov 02 j 14:33	0° Ω		morning max el	-12008 Sep 23 j 17:15	15° II 13'21	25°17'26
morning set	-12009 Nov 17 j 04:16	25° Ω 00'59			-12008 Oct 05 j 22:40	0° E	
	-12009 Nov 19 j 19:02	0° P		desc. node	-12008 Oct 16 j 05:04	14° E 58'02	
max. Earth dist.	-12009 Nov 21 j 10:24	3° P 12'09	1.35358 AU		-12008 Oct 25 j 10:54	0° Ω	
				morning set	-12008 Oct 29 j 17:19	7° Ω 27'41	
superior conj	-12009 Nov 25 j 23:31	12° P 21'24	-1°33'28	max. Earth dist.	-12008 Nov 02 j 14:40	14° Ω 34'14	1.37010 AU
minimum elong	-12009 Nov 26 j 00:50	12° P 28'11	1°33'10				
evening rise	-12009 Dec 03 j 13:24	28° P 04'56		superior conj	-12008 Nov 08 j 15:32	26° Ω 10'28	-1°38'03
	-12009 Dec 04 j 11:51	0° $\underline{\text{A}}$		minimum elong	-12008 Nov 08 j 15:39	26° Ω 11'03	1°37'39
asc. node	-12009 Dec 09 j 10:32	9° $\underline{\text{A}}$ 42'28			-12008 Nov 10 j 13:42	0° P	
evening max el	-12009 Dec 22 j 18:04	28° $\underline{\text{A}}$ 48'27	20°47'57	evening rise	-12008 Nov 16 j 18:01	12° P 28'36	
	-12009 Dec 24 j 02:34	0° M		asc. node	-12008 Nov 25 j 07:52	28° P 41'01	
retrograde	-12008 Jan 02 j 19:31	3° M 59'57			-12008 Nov 26 j 02:52	0° $\underline{\text{A}}$	
evening set	-12008 Jan 05 j 12:54	3° M 42'18		evening max el	-12008 Dec 04 j 05:53	10° $\underline{\text{A}}$ 38'28	19°38'00
	-12008 Jan 13 j 21:24	30° R $\underline{\text{A}}$		retrograde	-12008 Dec 13 j 17:44	15° $\underline{\text{A}}$ 07'07	
inferior conj	-12008 Jan 14 j 08:49	29° $\underline{\text{A}}$ 43'19	2°52'45	evening set	-12008 Dec 16 j 07:03	14° $\underline{\text{A}}$ 49'09	
minimum elong	-12008 Jan 14 j 14:35	29° $\underline{\text{A}}$ 34'52	2°51'00	inferior conj	-12008 Dec 24 j 15:41	10° $\underline{\text{A}}$ 42'24	3°54'35
min. Earth dist.	-12008 Jan 15 j 14:57	28° $\underline{\text{A}}$ 59'17	0.55667 AU	minimum elong	-12008 Dec 24 j 19:47	10° $\underline{\text{A}}$ 35'48	3°53'56
morning rise	-12008 Jan 23 j 14:57	25° $\underline{\text{A}}$ 23'58		min. Earth dist.	-12008 Dec 27 j 04:22	9° $\underline{\text{A}}$ 05'02	0.56660 AU
desc. node	-12008 Jan 26 j 10:05	25° $\underline{\text{A}}$ 00'33		morning rise	-12007 Jan 02 j 06:22	5° $\underline{\text{A}}$ 59'50	
direct	-12008 Jan 26 j 22:09	24° $\underline{\text{A}}$ 59'58		direct	-12007 Jan 06 j 21:27	5° $\underline{\text{A}}$ 11'28	
	-12008 Feb 07 j 11:19	0° M		desc. node	-12007 Jan 12 j 06:47	6° $\underline{\text{A}}$ 18'07	
morning max el	-12008 Feb 09 j 02:12	1° M 27'32	22°45'20	morning max el	-12007 Jan 20 j 17:41	12° $\underline{\text{A}}$ 09'22	24°22'12
	-12008 Feb 28 j 00:21	0° Z			-12007 Feb 03 j 07:42	0° M	
morning set	-12008 Mar 02 j 09:18	6° Z 52'42		morning set	-12007 Feb 14 j 21:42	21° M 56'41	
asc. node	-12008 Mar 06 j 08:20	15° Z 15'10			-12007 Feb 18 j 16:18	0° Z	
				asc. node	-12007 Feb 21 j 05:29	5° Z 30'51	
superior conj	-12008 Mar 09 j 14:08	22° Z 09'08	0°30'11				

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-12007 Feb 21 j 22:08	7°♂00'43	0°06'36			-12006 Jan 26 j 23:31	0°♂	
minimum elong	-12007 Feb 21 j 21:53	6°♂59'21	0°05'55	morning set		-12006 Jan 30 j 09:49	7°♂01'22	
behind sun begin	-12007 Feb 21 j 17:06	6°♂33'34						
behind sun end	-12007 Feb 22 j 02:39	7°♂25'07		superior conj		-12006 Feb 06 j 08:58	22°♂02'08	-0°16'28
max. Earth dist.	-12007 Feb 23 j 12:37	10°♂27'37	1.33355 AU	minimum elong		-12006 Feb 06 j 09:40	22°♂05'53	0°16'52
evening rise	-12007 Mar 01 j 09:17	22°♂41'25		max. Earth dist.		-12006 Feb 07 j 00:27	23°♂26'28	1.32912 AU
	-12007 Mar 05 j 02:25	0°♂		asc. node		-12006 Feb 08 j 02:43	25°♂49'15	
	-12007 Mar 23 j 07:04	0°♂				-12006 Feb 10 j 01:14	0°♂	
evening max el	-12007 Apr 03 j 02:57	12°♂51'19	27°25'58	evening rise		-12006 Feb 13 j 13:40	7°♂24'03	
desc. node	-12007 Apr 10 j 07:00	18°♂25'53				-12006 Feb 25 j 15:19	0°♂	
retrograde	-12007 Apr 17 j 00:22	20°♂25'08		evening max el		-12006 Mar 16 j 08:08	25°♂04'12	26°59'30
evening set	-12007 Apr 23 j 21:34	18°♂01'31				-12006 Mar 22 j 12:53	0°♂	
min. Earth dist.	-12007 Apr 27 j 14:05	14°♂56'25	0.62503 AU	desc. node		-12006 Mar 28 j 04:10	2°♂18'54	
inferior conj	-12007 Apr 30 j 11:50	12°♂04'02	-3°25'56	retrograde		-12006 Mar 30 j 09:47	2°♂31'58	
minimum elong	-12007 Apr 30 j 11:29	12°♂04'57	3°26'28	evening set		-12006 Apr 05 j 21:28	0°♂37'51	
morning rise	-12007 May 07 j 02:43	6°♂55'47				-12006 Apr 06 j 21:58	30°♂	
direct	-12007 May 09 j 19:20	6°♂21'42		min. Earth dist.		-12006 Apr 09 j 21:13	27°♂46'16	0.60571 AU
morning max el	-12007 May 16 j 09:31	9°♂44'05	18°02'21	inferior conj		-12006 Apr 13 j 04:04	24°♂55'42	-3°10'02
asc. node	-12007 May 20 j 05:15	14°♂17'34		minimum elong		-12006 Apr 13 j 01:53	25°♂00'29	3°10'26
	-12007 May 29 j 20:55	0°♂		morning rise		-12006 Apr 20 j 08:32	20°♂07'13	
morning set	-12007 Jun 02 j 05:00	5°♂54'12		direct		-12006 Apr 22 j 20:53	19°♂41'36	
				morning max el		-12006 Apr 29 j 22:15	23°♂10'06	18°09'38
superior conj	-12007 Jun 13 j 23:55	26°♂22'54	1°45'10			-12006 May 05 j 08:54	0°♂	
minimum elong	-12007 Jun 14 j 02:45	26°♂34'51	1°44'59	asc. node		-12006 May 07 j 02:05	2°♂40'50	
	-12007 Jun 16 j 03:43	0°♂		morning set		-12006 May 16 j 01:46	18°♂38'47	
max. Earth dist.	-12007 Jun 20 j 11:39	7°♂07'56	1.43001 AU			-12006 May 22 j 05:42	0°♂	
evening rise	-12007 Jun 29 j 06:21	21°♂07'37						
	-12007 Jul 05 j 00:09	0°♂		superior conj		-12006 May 26 j 09:10	7°♂26'42	1°48'56
desc. node	-12007 Jul 07 j 03:54	3°♂16'53		minimum elong		-12006 May 26 j 08:33	7°♂23'59	1°48'38
	-12007 Jul 26 j 03:12	0°♂		max. Earth dist.		-12006 Jun 02 j 18:11	20°♂10'30	1.41415 AU
evening max el	-12007 Jul 29 j 01:11	3°♂13'57	21°02'53	evening rise		-12006 Jun 08 j 16:57	29°♂57'54	
retrograde	-12007 Aug 06 j 09:56	8°♂08'42				-12006 Jun 08 j 17:28	0°♂	
evening set	-12007 Aug 10 j 10:59	6°♂36'22		desc. node		-12006 Jun 24 j 01:23	23°♂32'50	
inferior conj	-12007 Aug 15 j 19:02	0°♂29'05	-0°08'49			-12006 Jun 28 j 13:21	0°♂	
minimum elong	-12007 Aug 15 j 19:12	0°♂28'29	0°08'10	evening max el		-12006 Jul 11 j 18:23	16°♂35'40	22°19'40
transit middle	-12007 Aug 15 j 19:12	0°♂28'29	0°08'10	retrograde		-12006 Jul 21 j 04:46	22°♂11'09	
transit begin	-12007 Aug 15 j 16:51	0°♂36'32		evening set		-12006 Jul 25 j 19:23	20°♂17'35	
transit end	-12007 Aug 15 j 21:34	0°♂20'26		inferior conj		-12006 Jul 31 j 00:57	14°♂05'03	-0°57'13
asc. node	-12007 Aug 16 j 06:15	29°♂50'48		minimum elong		-12006 Jul 31 j 02:06	14°♂01'04	0°56'19
	-12007 Aug 16 j 03:33	30°♂		min. Earth dist.		-12006 Jul 31 j 03:11	13°♂57'19	0.67215 AU
min. Earth dist.	-12007 Aug 16 j 07:51	29°♂45'22	0.66932 AU	asc. node		-12006 Aug 03 j 03:08	10°♂01'38	
morning rise	-12007 Aug 21 j 03:16	24°♂08'08		morning rise		-12006 Aug 05 j 08:44	7°♂46'38	
direct	-12007 Aug 26 j 06:48	21°♂58'07		direct		-12006 Aug 09 j 22:38	5°♂55'05	
morning max el	-12007 Sep 06 j 03:07	28°♂28'36	23°56'45	morning max el		-12006 Aug 19 j 15:15	11°♂44'48	22°32'52
	-12007 Sep 07 j 13:58	0°♂				-12006 Sep 02 j 23:17	0°♂	
	-12007 Sep 29 j 17:17	0°♂		desc. node		-12006 Sep 19 j 22:54	25°♂42'06	
desc. node	-12007 Oct 03 j 01:57	5°♂13'58		morning set		-12006 Sep 21 j 21:08	28°♂48'09	
morning set	-12007 Oct 11 j 08:18	18°♂46'27				-12006 Sep 22 j 14:50	0°♂	
max. Earth dist.	-12007 Oct 15 j 13:43	26°♂06'05	1.38937 AU	max. Earth dist.		-12006 Sep 27 j 14:20	8°♂15'23	1.40906 AU
	-12007 Oct 17 j 18:06	0°♂						
superior conj	-12007 Oct 22 j 19:02	9°♂18'02	-1°34'54	superior conj		-12006 Oct 05 j 04:52	21°♂29'11	-1°21'45
minimum elong	-12007 Oct 22 j 17:25	9°♂10'26	1°34'16	minimum elong		-12006 Oct 05 j 01:25	21°♂13'47	1°20'48
evening rise	-12007 Oct 31 j 16:21	26°♂29'18				-12006 Oct 09 j 21:07	0°♂	
	-12007 Nov 02 j 11:44	0°♂		evening rise		-12006 Oct 15 j 05:26	9°♂58'48	
asc. node	-12007 Nov 12 j 05:11	17°♂01'06				-12006 Oct 26 j 16:08	0°♂	
evening max el	-12007 Nov 17 j 03:46	23°♂02'11	18°47'32	asc. node		-12006 Oct 30 j 02:30	4°♂29'40	
retrograde	-12007 Nov 25 j 08:30	27°♂00'11		evening max el		-12006 Oct 31 j 09:40	5°♂52'20	18°17'20
evening set	-12007 Nov 27 j 20:16	26°♂39'41		retrograde		-12006 Nov 07 j 17:01	9°♂32'25	
inferior conj	-12007 Dec 05 j 16:05	22°♂14'38	4°16'56	evening set		-12006 Nov 10 j 04:29	9°♂08'04	
minimum elong	-12007 Dec 05 j 16:27	22°♂13'58	4°17'02	inferior conj		-12006 Nov 17 j 11:39	4°♂21'26	4°07'21
min. Earth dist.	-12007 Dec 08 j 19:16	19°♂56'33	0.58222 AU	minimum elong		-12006 Nov 17 j 09:06	4°♂26'52	4°07'25
morning rise	-12007 Dec 13 j 10:43	17°♂08'58		min. Earth dist.		-12006 Nov 20 j 15:14	1°♂41'04	0.60043 AU
direct	-12007 Dec 19 j 08:09	15°♂45'02				-12006 Nov 22 j 20:05	30°♂	
desc. node	-12007 Dec 30 j 03:27	20°♂09'43		morning rise		-12006 Nov 24 j 12:12	28°♂55'06	
morning max el	-12006 Jan 02 j 09:01	22°♂57'54	25°50'47	direct		-12006 Dec 01 j 05:29	26°♂54'46	
	-12006 Jan 08 j 16:37	0°♂				-12006 Dec 10 j 00:05	0°♂	
				morning max el		-12006 Dec 15 j 05:37	4°♂16'35	26°56'44

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

desc. node	-12006 Dec 17 j 00:04	6° \mathbb{M} 02'52		-12005 Dec 08 j 20:15	0° \mathbb{M}	
	-12005 Jan 03 j 05:47	0° \mathbb{L}		-12005 Dec 26 j 17:05	0° \mathbb{L}	
morning set	-12005 Jan 14 j 19:48	21° \mathbb{L} 58'56		morning set	-12005 Dec 30 j 01:35	6° \mathbb{L} 41'53
	-12005 Jan 18 j 14:29	0° \mathbb{M}		max. Earth dist.	-12004 Jan 05 j 01:34	19° \mathbb{L} 21'24 1.32999 AU
superior conj	-12005 Jan 21 j 20:51	7° \mathbb{M} 06'14	-0°38'14	superior conj	-12004 Jan 06 j 08:06	22° \mathbb{L} 06'53 -0°57'58
minimum elong	-12005 Jan 21 j 22:18	7° \mathbb{M} 14'08	0°38'22	minimum elong	-12004 Jan 06 j 10:02	22° \mathbb{L} 17'23 0°57'54
max. Earth dist.	-12005 Jan 21 j 14:01	6° \mathbb{M} 28'55	1.32788 AU		-12004 Jan 09 j 23:13	0° \mathbb{M}
asc. node	-12005 Jan 26 j 00:01	16° \mathbb{M} 05'32		asc. node	-12004 Jan 12 j 21:21	6° \mathbb{M} 15'18
evening rise	-12005 Jan 28 j 22:10	22° \mathbb{M} 17'53		evening rise	-12004 Jan 13 j 08:53	7° \mathbb{M} 16'04
	-12005 Feb 01 j 17:09	0° \mathbb{L}			-12004 Jan 25 j 10:41	0° \mathbb{L}
	-12005 Feb 20 j 06:53	0° \mathbb{Z}		evening max el	-12004 Feb 08 j 02:10	17° \mathbb{L} 42'35 24°40'32
evening max el	-12005 Feb 26 j 07:35	6° \mathbb{Z} 38'48	26°01'54	retrograde	-12004 Feb 21 j 23:27	24° \mathbb{L} 39'54
retrograde	-12005 Mar 12 j 10:10	13° \mathbb{Z} 56'04		evening set	-12004 Feb 26 j 14:11	23° \mathbb{L} 51'28
desc. node	-12005 Mar 15 j 01:14	13° \mathbb{Z} 38'54		desc. node	-12004 Feb 29 j 22:13	22° \mathbb{L} 22'03
evening set	-12005 Mar 18 j 02:37	12° \mathbb{Z} 36'36		min. Earth dist.	-12004 Mar 03 j 15:42	20° \mathbb{L} 44'51 0.56896 AU
min. Earth dist.	-12005 Mar 22 j 20:51	9° \mathbb{Z} 44'00	0.58601 AU	inferior conj	-12004 Mar 06 j 06:56	19° \mathbb{L} 01'40 -1°19'06
inferior conj	-12005 Mar 26 j 03:17	7° \mathbb{Z} 17'11	-2°29'20	minimum elong	-12004 Mar 06 j 04:08	19° \mathbb{L} 06'16 1°18'58
minimum elong	-12005 Mar 25 j 23:47	7° \mathbb{Z} 23'46	2°29'17	morning rise	-12004 Mar 14 j 21:17	14° \mathbb{L} 50'00
morning rise	-12005 Apr 03 j 00:05	2° \mathbb{Z} 48'44		direct	-12004 Mar 17 j 01:30	14° \mathbb{L} 36'34
direct	-12005 Apr 05 j 08:05	2° \mathbb{Z} 30'15		morning max el	-12004 Mar 26 j 08:50	19° \mathbb{L} 00'36 19°22'20
morning max el	-12005 Apr 13 j 07:03	6° \mathbb{Z} 18'54	18°36'11		-12004 Apr 03 j 16:32	0° \mathbb{Z}
asc. node	-12005 Apr 23 j 22:59	21° \mathbb{Z} 40'40		asc. node	-12004 Apr 09 j 19:56	11° \mathbb{Z} 08'07
	-12005 Apr 28 j 09:59	0° \mathbb{M}		morning set	-12004 Apr 12 j 10:13	16° \mathbb{Z} 13'52
morning set	-12005 Apr 29 j 12:50	2° \mathbb{M} 08'47			-12004 Apr 19 j 08:17	0° \mathbb{M}
superior conj	-12005 May 08 j 17:26	19° \mathbb{M} 41'09	1°41'16	superior conj	-12004 Apr 20 j 19:08	2° \mathbb{M} 50'35 1°26'00
minimum elong	-12005 May 08 j 14:53	19° \mathbb{M} 29'19	1°40'39	minimum elong	-12004 Apr 20 j 16:04	2° \mathbb{M} 35'41 1°25'04
	-12005 May 14 j 09:29	0° \mathbb{X}		max. Earth dist.	-12004 Apr 26 j 19:43	14° \mathbb{M} 16'41 1.37717 AU
max. Earth dist.	-12005 May 15 j 19:28	2° \mathbb{X} 29'52	1.39566 AU	evening rise	-12004 Apr 30 j 19:56	21° \mathbb{M} 31'19
evening rise	-12005 May 20 j 04:59	10° \mathbb{X} 03'35			-12004 May 05 j 17:51	0° \mathbb{X}
	-12005 Jun 01 j 16:01	0° \mathbb{Y}			-12004 May 25 j 12:53	0° \mathbb{Y}
desc. node	-12005 Jun 10 j 22:54	13° \mathbb{Y} 30'47		desc. node	-12004 May 27 j 20:24	3° \mathbb{Y} 02'30
	-12005 Jun 24 j 08:10	0° \mathbb{Z}		evening max el	-12004 Jun 05 j 15:51	13° \mathbb{Y} 15'36 25°02'06
evening max el	-12005 Jun 24 j 06:15	29° \mathbb{Y} 55'12	23°41'50	retrograde	-12004 Jun 17 j 09:09	20° \mathbb{Y} 09'49
retrograde	-12005 Jul 04 j 20:51	6° \mathbb{Z} 13'11		evening set	-12004 Jun 23 j 04:49	17° \mathbb{Y} 37'16
evening set	-12005 Jul 10 j 02:00	3° \mathbb{Z} 58'36		min. Earth dist.	-12004 Jun 27 j 15:40	12° \mathbb{Y} 29'10 0.66835 AU
	-12005 Jul 13 j 14:52	30° \mathbb{R} \mathbb{Y}		inferior conj	-12004 Jun 28 j 12:04	11° \mathbb{Y} 21'17 -2°20'14
inferior conj	-12005 Jul 15 j 07:14	27° \mathbb{Y} 43'10	-1°41'27	minimum elong	-12004 Jun 28 j 14:20	11° \mathbb{Y} 13'44 2°19'30
minimum elong	-12005 Jul 15 j 09:06	27° \mathbb{Y} 36'45	1°40'31	morning rise	-12004 Jul 03 j 23:50	5° \mathbb{Y} 17'59
min. Earth dist.	-12005 Jul 14 j 22:35	28° \mathbb{Y} 12'52	0.67189 AU	asc. node	-12004 Jul 06 j 20:45	4° \mathbb{Y} 04'09
morning rise	-12005 Jul 20 j 16:10	21° \mathbb{Y} 30'43		direct	-12004 Jul 07 j 15:23	4° \mathbb{Y} 00'45
asc. node	-12005 Jul 20 j 23:58	21° \mathbb{Y} 16'15		morning max el	-12004 Jul 15 j 07:25	8° \mathbb{Y} 30'07 20°03'43
direct	-12005 Jul 24 j 17:56	19° \mathbb{Y} 57'08			-12004 Jul 31 j 00:44	0° \mathbb{Z}
morning max el	-12005 Aug 02 j 08:14	25° \mathbb{Y} 04'51	21°13'18	morning set	-12004 Aug 10 j 13:13	16° \mathbb{Z} 12'23
	-12005 Aug 06 j 14:49	0° \mathbb{Z}			-12004 Aug 19 j 08:09	0° \mathbb{Z}
	-12005 Aug 27 j 10:42	0° \mathbb{H}		max. Earth dist.	-12004 Aug 22 j 07:50	4° \mathbb{H} 45'08 1.43898 AU
morning set	-12005 Sep 01 j 10:19	7° \mathbb{H} 43'57		desc. node	-12004 Aug 23 j 17:11	6° \mathbb{H} 58'41
desc. node	-12005 Sep 06 j 20:00	16° \mathbb{H} 18'24		superior conj	-12004 Aug 26 j 22:12	12° \mathbb{H} 09'28 -0°19'10
max. Earth dist.	-12005 Sep 09 j 20:20	21° \mathbb{H} 11'18	1.42637 AU	minimum elong	-12004 Aug 26 j 20:13	12° \mathbb{H} 01'28 0°18'16
	-12005 Sep 15 j 03:56	0° \mathbb{L}			-12004 Sep 06 j 16:19	0° \mathbb{L}
superior conj	-12005 Sep 16 j 15:20	2° \mathbb{L} 29'36	-0°56'34	evening rise	-12004 Sep 09 j 11:22	4° \mathbb{L} 44'52
minimum elong	-12005 Sep 16 j 11:09	2° \mathbb{L} 11'52	0°55'25		-12004 Sep 25 j 07:32	0° \mathbb{L}
evening rise	-12005 Sep 28 j 05:29	22° \mathbb{L} 48'18		evening max el	-12004 Sep 27 j 10:34	2° \mathbb{L} 24'43 18°15'33
	-12005 Oct 02 j 06:09	0° \mathbb{L}		asc. node	-12004 Oct 02 j 20:53	5° \mathbb{L} 52'14
evening max el	-12005 Oct 14 j 20:56	19° \mathbb{L} 02'12	18°06'58	retrograde	-12004 Oct 04 j 01:13	5° \mathbb{L} 59'32
asc. node	-12005 Oct 16 j 23:44	20° \mathbb{L} 52'10		evening set	-12004 Oct 06 j 18:08	5° \mathbb{L} 21'30
retrograde	-12005 Oct 21 j 15:57	22° \mathbb{L} 35'03		inferior conj	-12004 Oct 13 j 02:46	29° \mathbb{L} 55'44 2°53'46
evening set	-12005 Oct 24 j 05:01	22° \mathbb{L} 05'06		minimum elong	-12004 Oct 12 j 23:07	0° \mathbb{L} 05'39 2°53'22
inferior conj	-12005 Oct 31 j 00:20	16° \mathbb{L} 57'45	3°36'42		-12004 Oct 13 j 01:12	30° \mathbb{R} \mathbb{L}
minimum elong	-12005 Oct 30 j 20:35	17° \mathbb{L} 06'52	3°36'27	min. Earth dist.	-12004 Oct 15 j 09:58	27° \mathbb{L} 26'02 0.63490 AU
min. Earth dist.	-12005 Nov 02 j 19:40	14° \mathbb{L} 14'39	0.61860 AU	morning rise	-12004 Oct 19 j 03:15	23° \mathbb{L} 57'17
morning rise	-12005 Nov 06 j 10:58	11° \mathbb{L} 13'43		direct	-12004 Oct 26 j 02:33	21° \mathbb{L} 15'16
direct	-12005 Nov 13 j 12:07	8° \mathbb{L} 45'49		morning max el	-12004 Nov 08 j 16:26	28° \mathbb{L} 47'48 27°29'36
morning max el	-12005 Nov 27 j 08:43	16° \mathbb{L} 14'45	27°30'29		-12004 Nov 09 j 21:18	0° \mathbb{L}
desc. node	-12005 Dec 03 j 20:42	23° \mathbb{L} 25'30		desc. node	-12004 Nov 19 j 17:21	11° \mathbb{L} 52'05

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-12004 Dec 01 j 14:15	0° \mathbb{M}					-12003 Nov 05 j 20:25	0° \mathcal{O}			
morning set	-12004 Dec 13 j 00:41	21° \mathbb{M} 01'38			desc. node		-12003 Nov 06 j 14:01	1° \mathcal{O} 03'43			
	-12004 Dec 17 j 10:04	0° \mathcal{E}					-12003 Nov 24 j 01:11	0° \mathbb{M}			
max. Earth dist.	-12004 Dec 18 j 07:20	1° \mathcal{E} 51'39	1.33584 AU		morning set		-12003 Nov 26 j 13:54	4° \mathbb{M} 47'15			
					max. Earth dist.		-12003 Dec 01 j 04:09	13° \mathbb{M} 51'49	1.34589 AU		
superior conj	-12004 Dec 20 j 16:59	6° \mathcal{E} 57'55	-1°14'53								
minimum elong	-12004 Dec 20 j 19:03	7° \mathcal{E} 08'58	1°14'42		superior conj		-12003 Dec 04 j 21:25	21° \mathbb{M} 31'29	-1°28'04		
evening rise	-12004 Dec 27 j 20:08	22° \mathcal{E} 12'38			minimum elong		-12003 Dec 04 j 23:10	21° \mathbb{M} 40'36	1°27'48		
asc. node	-12004 Dec 29 j 18:41	26° \mathcal{E} 13'42					-12003 Dec 08 j 22:00	0° \mathcal{E}			
	-12004 Dec 31 j 15:41	0° \mathbb{M}			evening rise		-12003 Dec 12 j 06:15	7° \mathcal{E} 01'06			
evening max el	-12003 Jan 19 j 19:39	28° \mathbb{M} 34'59	23°07'29		asc. node		-12003 Dec 16 j 16:02	15° \mathcal{E} 54'35			
	-12003 Jan 21 j 09:57	0° \mathcal{E}					-12003 Dec 24 j 19:28	0° \mathbb{M}			
retrograde	-12003 Feb 02 j 00:05	4° \mathcal{E} 58'07			evening max el		-12002 Jan 01 j 17:06	9° \mathbb{M} 37'17	21°35'44		
evening set	-12003 Feb 05 j 14:34	4° \mathcal{E} 29'46			retrograde		-12002 Jan 13 j 15:15	15° \mathbb{M} 15'23			
min. Earth dist.	-12003 Feb 13 j 07:54	0° \mathcal{E} 57'47	0.55774 AU		evening set		-12002 Jan 16 j 14:01	14° \mathbb{M} 55'48			
inferior conj	-12003 Feb 14 j 16:14	0° \mathcal{E} 10'10	0°17'11		inferior conj		-12002 Jan 25 j 14:28	10° \mathbb{M} 54'33	2°00'50		
minimum elong	-12003 Feb 14 j 16:56	0° \mathcal{E} 09'08	0°16'21		minimum elong		-12002 Jan 25 j 19:16	10° \mathbb{M} 47'43	1°59'00		
	-12003 Feb 14 j 23:09	30° \mathbb{M}			min. Earth dist.		-12002 Jan 25 j 22:06	10° \mathbb{M} 43'41	0.55462 AU		
desc. node	-12003 Feb 15 j 19:05	29° \mathbb{M} 30'51			desc. node		-12002 Feb 02 j 15:52	7° \mathbb{M} 05'23			
morning rise	-12003 Feb 23 j 21:06	26° \mathbb{M} 06'36			morning rise		-12002 Feb 04 j 00:13	6° \mathbb{M} 45'28			
direct	-12003 Feb 26 j 02:20	25° \mathbb{M} 54'33			direct		-12002 Feb 06 j 18:00	6° \mathbb{M} 28'40			
	-12003 Mar 07 j 19:08	0° \mathcal{E}			morning max el		-12002 Feb 19 j 05:12	12° \mathbb{M} 30'33	21°51'24		
morning max el	-12003 Mar 09 j 00:45	1° \mathcal{E} 06'22	20°28'00				-12002 Mar 03 j 22:51	0° \mathcal{E}			
	-12003 Mar 27 j 05:48	0° \mathcal{E}			morning set		-12002 Mar 12 j 00:08	15° \mathcal{E} 36'08			
morning set	-12003 Mar 27 j 14:51	0° \mathcal{E} 45'58			asc. node		-12002 Mar 14 j 14:01	20° \mathcal{E} 59'22			
asc. node	-12003 Mar 27 j 16:56	0° \mathcal{E} 56'35					-12002 Mar 18 j 20:44	0° \mathcal{E}			
superior conj	-12003 Apr 04 j 09:34	16° \mathcal{E} 42'11	1°06'05		superior conj		-12002 Mar 19 j 08:58	1° \mathcal{E} 03'54	0°43'38		
minimum elong	-12003 Apr 04 j 06:53	16° \mathcal{E} 28'35	1°05'01		minimum elong		-12002 Mar 19 j 07:07	0° \mathcal{E} 54'14	0°42'38		
max. Earth dist.	-12003 Apr 09 j 01:52	25° \mathcal{E} 59'41	1.36078 AU		max. Earth dist.		-12002 Mar 22 j 17:52	8° \mathcal{E} 01'11	1.34750 AU		
	-12003 Apr 11 j 03:55	0° \mathcal{E}			evening rise		-12002 Mar 27 j 14:10	17° \mathcal{E} 37'18			
evening rise	-12003 Apr 13 j 08:56	4° \mathcal{E} 08'35					-12002 Apr 03 j 07:12	0° \mathcal{E}			
	-12003 Apr 28 j 15:35	0° \mathcal{E}					-12002 Apr 22 j 21:19	0° \mathcal{E}			
desc. node	-12003 May 14 j 17:50	21° \mathcal{E} 57'29			evening max el		-12002 May 01 j 12:50	9° \mathcal{E} 54'35	27°02'03		
evening max el	-12003 May 19 j 01:55	26° \mathcal{E} 37'46	26°11'40		desc. node		-12002 May 01 j 15:12	10° \mathcal{E} 00'21			
	-12003 May 22 j 20:08	0° \mathcal{E}			retrograde		-12002 May 14 j 19:19	17° \mathcal{E} 25'28			
retrograde	-12003 May 31 j 16:51	3° \mathcal{E} 56'12			evening set		-12002 May 21 j 14:00	14° \mathcal{E} 39'11			
evening set	-12003 Jun 07 j 01:41	1° \mathcal{E} 12'00			min. Earth dist.		-12002 May 25 j 09:44	10° \mathcal{E} 48'24	0.65019 AU		
	-12003 Jun 08 j 07:59	30° \mathbb{M}			inferior conj		-12002 May 27 j 09:29	8° \mathcal{E} 29'01	-3°14'59		
min. Earth dist.	-12003 Jun 11 j 04:08	26° \mathcal{E} 43'10	0.66124 AU		minimum elong		-12002 May 27 j 11:11	8° \mathcal{E} 24'03	3°15'03		
inferior conj	-12003 Jun 12 j 13:33	24° \mathcal{E} 57'44	-2°52'03		morning rise		-12002 Jun 02 j 08:44	2° \mathcal{E} 52'59			
minimum elong	-12003 Jun 12 j 15:48	24° \mathcal{E} 50'39	2°51'40		direct		-12002 Jun 05 j 09:24	2° \mathcal{E} 02'33			
morning rise	-12003 Jun 18 j 06:01	19° \mathcal{E} 06'38			asc. node		-12002 Jun 10 j 14:19	4° \mathcal{E} 21'39			
direct	-12003 Jun 21 j 13:17	18° \mathcal{E} 03'45			morning max el		-12002 Jun 11 j 23:17	5° \mathcal{E} 38'18	18°28'36		
asc. node	-12003 Jun 23 j 17:32	18° \mathcal{E} 29'45					-12002 Jun 28 j 10:36	0° \mathcal{E}			
morning max el	-12003 Jun 28 j 12:51	22° \mathcal{E} 01'43	19°08'01		morning set		-12002 Jul 01 j 13:34	5° \mathcal{E} 09'20			
	-12003 Jul 04 j 20:49	0° \mathcal{E}									
morning set	-12003 Jul 21 j 01:56	25° \mathcal{E} 08'58			superior conj		-12002 Jul 16 j 05:43	28° \mathcal{E} 56'51	1°07'44		
	-12003 Jul 24 j 03:20	0° \mathcal{E}			minimum elong		-12002 Jul 16 j 12:16	29° \mathcal{E} 22'57	1°07'24		
max. Earth dist.	-12003 Aug 04 j 23:25	18° \mathcal{E} 43'39	1.44531 AU				-12002 Jul 16 j 21:35	0° \mathcal{E}			
					max. Earth dist.		-12002 Jul 18 j 16:22	2° \mathcal{E} 49'56	1.44458 AU		
superior conj	-12003 Aug 06 j 05:16	20° \mathcal{E} 41'54	0°25'50		desc. node		-12002 Jul 28 j 11:49	18° \mathcal{E} 18'45			
minimum elong	-12003 Aug 06 j 08:24	20° \mathcal{E} 54'21	0°25'59		evening rise		-12002 Aug 01 j 20:09	25° \mathcal{E} 08'40			
desc. node	-12003 Aug 10 j 14:28	27° \mathcal{E} 39'49					-12002 Aug 04 j 22:24	0° \mathbb{M}			
	-12003 Aug 12 j 01:36	0° \mathbb{M}			greatest brilliancy		-12002 Aug 11 j 10:06	10° \mathbb{M} 07'00	-0.8m		
evening rise	-12003 Aug 21 j 17:25	15° \mathbb{M} 34'32			evening max el		-12002 Aug 25 j 09:15	29° \mathbb{M} 24'04	19°25'00		
	-12003 Aug 30 j 14:56	0° \mathcal{E}					-12002 Aug 25 j 23:40	0° \mathcal{E}			
evening max el	-12003 Sep 10 j 23:35	15° \mathcal{E} 53'40	18°41'56		retrograde		-12002 Sep 01 j 12:44	3° \mathcal{E} 29'32			
retrograde	-12003 Sep 17 j 17:08	19° \mathcal{E} 39'17			evening set		-12002 Sep 04 j 20:12	2° \mathcal{E} 26'01			
asc. node	-12003 Sep 19 j 17:59	19° \mathcal{E} 15'58			asc. node		-12002 Sep 06 j 15:01	1° \mathcal{E} 00'58			
evening set	-12003 Sep 20 j 16:13	18° \mathcal{E} 50'07					-12002 Sep 07 j 15:07	30° \mathbb{M}			
inferior conj	-12003 Sep 26 j 15:38	13° \mathcal{E} 08'43	2°04'23		inferior conj		-12002 Sep 10 j 12:09	26° \mathbb{M} 32'02	1°12'25		
minimum elong	-12003 Sep 26 j 12:50	13° \mathcal{E} 17'04	2°04'07		minimum elong		-12002 Sep 10 j 10:29	26° \mathbb{M} 37'20	1°12'28		
min. Earth dist.	-12003 Sep 28 j 09:55	11° \mathcal{E} 02'58	0.64841 AU		min. Earth dist.		-12002 Sep 11 j 18:13	24° \mathbb{M} 56'00	0.65884 AU		
morning rise	-12003 Oct 02 j 08:54	6° \mathcal{E} 59'12			morning rise		-12002 Sep 16 j 00:27	20° \mathbb{M} 14'57			
direct	-12003 Oct 08 j 23:26	4° \mathcal{E} 16'06			direct		-12002 Sep 22 j 02:16	17° \mathbb{M} 40'34			
morning max el	-12003 Oct 22 j 02:18	11° \mathcal{E} 45'22	26°57'02		morning max el		-12002 Oct 04 j 12:34	24° \mathbb{M} 56'49	25°59'11		

	-12002 Oct 09 j 04:01	0° \mathfrak{D}				-12001 Oct 04 j 02:15	0° \mathfrak{D}		
desc. node	-12002 Oct 24 j 10:46	20° \mathfrak{D} 47'26			desc. node	-12001 Oct 11 j 07:35	10° \mathfrak{D} 53'06		
	-12002 Oct 30 j 07:06	0° \mathfrak{Q}			morning set	-12001 Oct 22 j 17:31	29° \mathfrak{D} 45'50		
morning set	-12002 Nov 09 j 13:13	17° \mathfrak{Q} 46'50				-12001 Oct 22 j 20:45	0° \mathfrak{Q}		
max. Earth dist.	-12002 Nov 13 j 14:29	25° \mathfrak{Q} 24'54	1.36020 AU		max. Earth dist.	-12001 Oct 26 j 15:56	6° \mathfrak{Q} 47'34	1.37805 AU	
	-12002 Nov 15 j 22:54	0° \mathfrak{R}							
					superior conj	-12001 Nov 02 j 06:03	19° \mathfrak{Q} 11'41	-1°37'48	
superior conj	-12002 Nov 18 j 18:53	5° \mathfrak{R} 39'37	-1°36'14		minimum elong	-12001 Nov 02 j 05:29	19° \mathfrak{Q} 08'57	1°37'18	
minimum elong	-12002 Nov 18 j 19:46	5° \mathfrak{R} 44'04	1°35'54			-12001 Nov 07 j 17:30	0° \mathfrak{R}		
evening rise	-12002 Nov 26 j 13:28	21° \mathfrak{R} 35'53			evening rise	-12001 Nov 10 j 15:42	5° \mathfrak{R} 50'09		
	-12002 Nov 30 j 18:39	0° \mathfrak{A}			asc. node	-12001 Nov 20 j 10:42	23° \mathfrak{R} 54'22		
asc. node	-12002 Dec 03 j 13:22	5° \mathfrak{A} 11'05				-12001 Nov 24 j 17:20	0° \mathfrak{A}		
evening max el	-12002 Dec 14 j 22:55	21° \mathfrak{A} 07'12	20°15'53		evening max el	-12001 Nov 27 j 15:01	3° \mathfrak{A} 11'06	19°14'03	
retrograde	-12002 Dec 25 j 07:52	25° \mathfrak{A} 59'29			retrograde	-12001 Dec 06 j 12:52	7° \mathfrak{A} 25'37		
evening set	-12002 Dec 27 j 23:11	25° \mathfrak{A} 41'57			evening set	-12001 Dec 09 j 01:08	7° \mathfrak{A} 06'53		
inferior conj	-12001 Jan 05 j 14:36	21° \mathfrak{A} 40'59	3°23'50		inferior conj	-12001 Dec 17 j 04:20	2° \mathfrak{A} 52'59	4°08'40	
minimum elong	-12001 Jan 05 j 20:08	21° \mathfrak{A} 32'36	3°22'29		minimum elong	-12001 Dec 17 j 06:53	2° \mathfrak{A} 48'37	4°08'26	
min. Earth dist.	-12001 Jan 07 j 11:14	20° \mathfrak{A} 33'38	0.56010 AU		min. Earth dist.	-12001 Dec 20 j 01:03	0° \mathfrak{A} 56'19	0.57269 AU	
morning rise	-12001 Jan 14 j 15:24	17° \mathfrak{A} 12'35				-12001 Dec 21 j 12:27	30° \mathfrak{R} \mathfrak{R}		
direct	-12001 Jan 18 j 11:26	16° \mathfrak{A} 40'11			morning rise	-12001 Dec 25 j 10:32	27° \mathfrak{R} 59'59		
desc. node	-12001 Jan 20 j 12:36	16° \mathfrak{A} 49'43			direct	-12001 Dec 30 j 15:05	26° \mathfrak{R} 57'33		
morning max el	-12001 Feb 01 j 00:00	23° \mathfrak{A} 21'56	23°26'33		desc. node	-12000 Jan 07 j 09:17	29° \mathfrak{R} 15'10		
	-12001 Feb 06 j 21:05	0° \mathfrak{M}				-12000 Jan 08 j 14:25	0° \mathfrak{A}		
morning set	-12001 Feb 24 j 11:57	0° \mathfrak{A} 37'11			morning max el	-12000 Jan 13 j 14:48	4° \mathfrak{A} 03'34	25°01'49	
	-12001 Feb 24 j 04:50	0° \mathfrak{A}				-12000 Feb 01 j 01:15	0° \mathfrak{M}		
asc. node	-12001 Mar 01 j 11:08	11° \mathfrak{A} 11'33			morning set	-12000 Feb 09 j 00:29	15° \mathfrak{M} 42'26		
superior conj	-12001 Mar 03 j 14:31	15° \mathfrak{A} 46'52	0°20'09		superior conj	-12000 Feb 15 j 23:59	0° \mathfrak{A} 43'40	-0°03'19	
minimum elong	-12001 Mar 03 j 13:40	15° \mathfrak{A} 42'23	0°19'20		minimum elong	-12000 Feb 16 j 00:09	0° \mathfrak{A} 44'33	0°03'53	
max. Earth dist.	-12001 Mar 05 j 19:35	20° \mathfrak{A} 28'40	1.33768 AU		behind sun begin	-12000 Feb 15 j 19:13	0° \mathfrak{A} 17'48		
	-12001 Mar 10 j 10:23	0° \mathfrak{C}			behind sun end	-12000 Feb 16 j 05:04	1° \mathfrak{A} 11'18		
evening rise	-12001 Mar 11 j 07:00	1° \mathfrak{C} 43'09				-12000 Feb 15 j 15:56	0° \mathfrak{A}		
	-12001 Mar 27 j 05:39	0° \mathfrak{A}			asc. node	-12000 Feb 16 j 08:20	1° \mathfrak{A} 28'59		
evening max el	-12001 Apr 13 j 23:05	22° \mathfrak{A} 54'36	27°26'00		max. Earth dist.	-12000 Feb 17 j 04:31	3° \mathfrak{A} 18'07	1.33124 AU	
desc. node	-12001 Apr 18 j 12:30	26° \mathfrak{A} 49'48			evening rise	-12000 Feb 23 j 07:58	16° \mathfrak{A} 15'01		
	-12001 Apr 24 j 11:45	0° \mathfrak{H}				-12000 Mar 01 j 10:26	0° \mathfrak{C}		
retrograde	-12001 Apr 27 j 16:03	0° \mathfrak{H} 29'27				-12000 Mar 21 j 05:18	0° \mathfrak{A}		
	-12001 Apr 30 j 17:11	30° \mathfrak{R} \mathfrak{A}			evening max el	-12000 Mar 26 j 06:38	5° \mathfrak{A} 27'07	27°18'38	
evening set	-12001 May 04 j 14:47	27° \mathfrak{A} 53'26			desc. node	-12000 Apr 04 j 09:44	11° \mathfrak{A} 57'16		
min. Earth dist.	-12001 May 08 j 06:50	24° \mathfrak{A} 34'53	0.63522 AU		retrograde	-12000 Apr 09 j 06:23	12° \mathfrak{A} 59'45		
inferior conj	-12001 May 10 j 21:12	21° \mathfrak{A} 50'13	-3°26'15		evening set	-12000 Apr 16 j 00:46	10° \mathfrak{A} 47'13		
minimum elong	-12001 May 10 j 21:45	21° \mathfrak{A} 48'45	3°26'42		min. Earth dist.	-12000 Apr 19 j 19:00	7° \mathfrak{A} 49'49	0.61699 AU	
morning rise	-12001 May 17 j 05:38	16° \mathfrak{A} 31'34			inferior conj	-12000 Apr 22 j 21:36	4° \mathfrak{A} 55'16	-3°21'52	
direct	-12001 May 20 j 00:57	15° \mathfrak{A} 51'59			minimum elong	-12000 Apr 22 j 20:28	4° \mathfrak{A} 57'55	3°22'23	
morning max el	-12001 May 26 j 12:41	19° \mathfrak{A} 15'52	18°06'43		morning rise	-12000 Apr 29 j 17:57	29° \mathfrak{C} 55'38		
asc. node	-12001 May 28 j 11:07	21° \mathfrak{A} 23'54				-12000 Apr 29 j 13:28	30° \mathfrak{R} \mathfrak{C}		
	-12001 Jun 03 j 11:05	0° \mathfrak{H}			direct	-12000 May 02 j 08:39	29° \mathfrak{C} 25'26		
morning set	-12001 Jun 13 j 02:17	16° \mathfrak{H} 19'32				-12000 May 05 j 02:39	0° \mathfrak{A}		
	-12001 Jun 21 j 02:34	0° \mathfrak{Y}			morning max el	-12000 May 09 j 02:32	2° \mathfrak{A} 48'54	18°03'09	
					asc. node	-12000 May 14 j 07:57	9° \mathfrak{A} 21'40		
superior conj	-12001 Jun 25 j 21:26	7° \mathfrak{Y} 57'17	1°36'16		morning set	-12000 May 25 j 12:48	28° \mathfrak{A} 33'08		
minimum elong	-12001 Jun 26 j 02:25	8° \mathfrak{Y} 17'45	1°36'02			-12000 May 26 j 08:02	0° \mathfrak{H}		
max. Earth dist.	-12001 Jul 01 j 06:51	16° \mathfrak{Y} 42'59	1.43701 AU						
	-12001 Jul 09 j 16:08	0° \mathfrak{B}			superior conj	-12000 Jun 05 j 15:32	18° \mathfrak{H} 16'07	1°48'25	
evening rise	-12001 Jul 12 j 00:50	3° \mathfrak{B} 40'52			minimum elong	-12000 Jun 05 j 16:46	18° \mathfrak{H} 21'23	1°48'15	
desc. node	-12001 Jul 15 j 09:14	8° \mathfrak{B} 51'48			max. Earth dist.	-12000 Jun 12 j 16:10	0° \mathfrak{Y} 06'01	1.42368 AU	
	-12001 Jul 29 j 11:31	0° \mathfrak{I}				-12000 Jun 12 j 14:43	0° \mathfrak{Y}		
evening max el	-12001 Aug 08 j 13:09	12° \mathfrak{I} 51'20	20°23'20		evening rise	-12000 Jun 20 j 02:42	12° \mathfrak{Y} 05'41		
retrograde	-12001 Aug 16 j 09:31	17° \mathfrak{I} 26'05			desc. node	-12000 Jul 01 j 06:44	29° \mathfrak{Y} 15'29		
evening set	-12001 Aug 20 j 03:32	16° \mathfrak{I} 05'01				-12000 Jul 01 j 18:40	0° \mathfrak{B}		
asc. node	-12001 Aug 24 j 12:01	11° \mathfrak{I} 27'29			evening max el	-12000 Jul 21 j 10:11	26° \mathfrak{B} 14'55	21°34'29	
inferior conj	-12001 Aug 25 j 13:53	10° \mathfrak{I} 01'35	0°20'22			-12000 Jul 25 j 21:29	0° \mathfrak{I}		
minimum elong	-12001 Aug 25 j 13:25	10° \mathfrak{I} 03'09	0°20'49		retrograde	-12000 Jul 30 j 05:34	1° \mathfrak{I} 26'58		
min. Earth dist.	-12001 Aug 26 j 08:46	8° \mathfrak{I} 58'14	0.66628 AU			-12000 Aug 03 j 04:45	30° \mathfrak{R} \mathfrak{B}		
morning rise	-12001 Aug 30 j 23:06	3° \mathfrak{I} 40'46			evening set	-12000 Aug 03 j 12:06	29° \mathfrak{B} 45'52		
direct	-12001 Sep 05 j 10:39	1° \mathfrak{I} 21'00			inferior conj	-12000 Aug 08 j 18:50	23° \mathfrak{B} 35'52	-0°29'48	
morning max el	-12001 Sep 16 j 22:26	8° \mathfrak{I} 12'05	24°44'10		minimum elong	-12000 Aug 08 j 19:27	23° \mathfrak{B} 33'46	0°29'01	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

min. Earth dist.	-12000 Aug 09 j 03:10	23° 8 07'10	0.67084 AU	morning rise	-11999 Jul 29 j 09:12	0° 8 56'24	
asc. node	-12000 Aug 10 j 08:58	21° 8 26'04			-11999 Jul 30 j 18:35	30° 8 Υ	
morning rise	-12000 Aug 14 j 02:39	17° 8 15'16		direct	-11999 Aug 02 j 17:47	29° 8 Υ12'24	
direct	-12000 Aug 19 j 00:11	15° 8 13'03			-11999 Aug 05 j 22:04	0° 8	
morning max el	-12000 Aug 29 j 08:59	21° 8 27'29	23°20'54	morning max el	-11999 Aug 11 j 22:45	4° 8 44'10	21°57'59
	-12000 Sep 05 j 16:36	0° II			-11999 Aug 30 j 22:46	0° II	
	-12000 Sep 26 j 09:44	0° ☾		morning set	-11999 Sep 12 j 23:27	20° II 02'05	
desc. node	-12000 Sep 27 j 04:30	1° ☾ 14'22		desc. node	-11999 Sep 14 j 01:32	21° II 46'22	
morning set	-12000 Oct 02 j 21:37	10° ☾ 31'45			-11999 Sep 19 j 02:43	0° ☾	
max. Earth dist.	-12000 Oct 07 j 14:23	18° ☾ 30'09	1.39781 AU	max. Earth dist.	-11999 Sep 19 j 16:38	0° ☾ 57'40	1.41685 AU
	-12000 Oct 14 j 01:21	0° Ω					
				superior conj	-11999 Sep 27 j 03:17	13° ☾ 39'19	-1°12'37
superior conj	-12000 Oct 15 j 02:39	1° Ω 56'13	-1°30'41	minimum elong	-11999 Sep 26 j 23:18	13° ☾ 21'52	1°11'34
minimum elong	-12000 Oct 15 j 00:14	1° Ω 45'02	1°29'55		-11999 Oct 06 j 05:17	0° Ω	
evening rise	-12000 Oct 24 j 10:28	19° Ω 37'44		evening rise	-11999 Oct 07 j 18:31	2° Ω 51'12	
	-12000 Oct 29 j 22:35	0° ♍		evening max el	-11999 Oct 24 j 01:16	28° Ω 46'34	18°10'39
asc. node	-12000 Nov 06 j 08:02	11° ♍ 53'53		asc. node	-11999 Oct 24 j 05:18	28° Ω 56'30	
evening max el	-12000 Nov 09 j 16:37	15° ♍ 46'34	18°32'17		-11999 Oct 25 j 09:38	0° ♍	
retrograde	-12000 Nov 17 j 11:09	19° ♍ 35'23		retrograde	-11999 Oct 31 j 02:06	2° ♍ 21'57	
evening set	-12000 Nov 19 j 22:32	19° ♍ 13'31		evening set	-11999 Nov 02 j 14:09	1° ♍ 55'21	
inferior conj	-12000 Nov 27 j 12:56	14° ♍ 39'47	4°16'07		-11999 Nov 06 j 01:55	30° ♍ Ω	
minimum elong	-12000 Nov 27 j 11:52	14° ♍ 41'54	4°16'17	inferior conj	-11999 Nov 09 j 16:09	26° Ω 59'51	3°56'19
min. Earth dist.	-12000 Nov 30 j 17:56	12° ♍ 09'21	0.58977 AU	minimum elong	-11999 Nov 09 j 12:53	27° Ω 07'12	3°56'15
morning rise	-12000 Dec 04 j 23:22	9° ♍ 24'47		min. Earth dist.	-11999 Nov 12 j 17:03	24° Ω 16'04	0.60829 AU
direct	-12000 Dec 11 j 06:49	7° ♍ 44'25		morning rise	-11999 Nov 16 j 10:18	21° Ω 25'58	
desc. node	-12000 Dec 24 j 05:55	14° ♍ 01'59		direct	-11999 Nov 23 j 08:34	19° Ω 12'13	
morning max el	-12000 Dec 25 j 07:55	15° ♍ 02'23	26°22'19	morning max el	-11999 Dec 07 j 07:05	26° Ω 36'54	27°15'21
	-11999 Jan 06 j 10:47	0° ♊			-11999 Dec 10 j 13:25	0° ♍	
morning set	-11999 Jan 23 j 11:54	0° ♍ 44'41		desc. node	-11999 Dec 11 j 02:31	0° ♍ 36'43	
	-11999 Jan 23 j 03:20	0° ♌			-11999 Dec 30 j 19:53	0° ♊	
				morning set	-11998 Jan 07 j 20:22	15° ♊ 37'04	
superior conj	-11999 Jan 30 j 11:28	15° ♌ 47'01	-0°25'53				
minimum elong	-11999 Jan 30 j 12:30	15° ♌ 52'41	0°26'11	superior conj	-11998 Jan 14 j 23:18	0° ♌ 50'45	-0°46'52
max. Earth dist.	-11999 Jan 30 j 17:21	16° ♌ 19'10	1.32813 AU	minimum elong	-11998 Jan 15 j 00:59	0° ♌ 59'58	0°46'55
asc. node	-11999 Feb 02 j 05:33	21° ♌ 46'45		max. Earth dist.	-11998 Jan 14 j 06:30	29° ♊ 19'12	1.32833 AU
	-11999 Feb 06 j 02:11	0° ♊			-11998 Jan 14 j 14:00	0° ♌	
evening rise	-11999 Feb 06 j 14:20	1° ♊ 03'15		asc. node	-11998 Jan 20 j 02:51	12° ♌ 01'05	
	-11999 Feb 22 j 13:59	0° ♊		evening rise	-11998 Jan 22 j 00:01	16° ♌ 00'15	
evening max el	-11999 Mar 08 j 09:31	17° ♊ 24'02	26°38'36		-11998 Jan 29 j 01:36	0° ♊	
desc. node	-11999 Mar 22 j 06:53	24° ♊ 48'25		evening max el	-11998 Feb 18 j 06:55	28° ♊ 45'07	25°29'41
retrograde	-11999 Mar 22 j 12:33	24° ♊ 48'34			-11998 Feb 19 j 15:40	0° ♊	
evening set	-11999 Mar 28 j 16:52	23° ♊ 09'13		retrograde	-11998 Mar 04 j 08:11	5° ♊ 54'32	
min. Earth dist.	-11999 Apr 01 j 22:58	20° ♊ 18'39	0.59717 AU	desc. node	-11998 Mar 09 j 03:53	4° ♊ 59'27	
inferior conj	-11999 Apr 05 j 07:04	17° ♊ 35'24	-2°56'13	evening set	-11998 Mar 09 j 14:06	4° ♊ 49'30	
minimum elong	-11999 Apr 05 j 04:11	17° ♊ 41'20	2°56'26	min. Earth dist.	-11998 Mar 14 j 20:24	1° ♊ 52'19	0.57831 AU
morning rise	-11999 Apr 12 j 18:10	12° ♊ 55'25		inferior conj	-11998 Mar 17 j 22:11	29° ♊ 42'18	-2°03'17
direct	-11999 Apr 15 j 04:31	12° ♊ 33'09		minimum elong	-11998 Mar 17 j 18:40	29° ♊ 48'34	2°03'06
morning max el	-11999 Apr 22 j 13:59	16° ♊ 08'52	18°18'28		-11998 Mar 17 j 12:14	30° ♊ ♊	
asc. node	-11999 May 01 j 04:47	28° ♊ 01'39		morning rise	-11998 Mar 26 j 02:25	25° ♊ 21'12	
	-11999 May 02 j 08:11	0° ♈		direct	-11998 Mar 28 j 08:42	25° ♊ 05'06	
morning set	-11999 May 08 j 16:13	11° ♈ 38'18		morning max el	-11998 Apr 05 j 20:05	29° ♊ 07'02	18°53'16
					-11998 Apr 06 j 17:22	0° ♊	
superior conj	-11999 May 18 j 11:14	29° ♈ 51'30	1°46'50	asc. node	-11998 Apr 18 j 01:41	17° ♊ 14'12	
minimum elong	-11999 May 18 j 09:36	29° ♈ 44'07	1°46'24	morning set	-11998 Apr 22 j 08:07	25° ♊ 24'35	
	-11999 May 18 j 13:07	0° ♈			-11998 Apr 24 j 16:26	0° ♈	
max. Earth dist.	-11999 May 25 j 19:49	12° ♈ 48'29	1.40648 AU				
evening rise	-11999 May 30 j 23:14	21° ♈ 25'15		superior conj	-11998 May 01 j 03:32	12° ♈ 30'47	1°35'32
	-11999 Jun 05 j 07:10	0° ♈		minimum elong	-11998 May 01 j 00:38	12° ♈ 17'00	1°34'45
desc. node	-11999 Jun 18 j 04:16	19° ♈ 24'28		max. Earth dist.	-11998 May 07 j 20:17	24° ♈ 52'46	1.38778 AU
	-11999 Jun 25 j 21:23	0° ♈			-11998 May 10 j 17:51	0° ♈	
evening max el	-11999 Jul 04 j 00:53	9° ♈ 35'27	22°54'24	evening rise	-11998 May 11 j 23:09	2° ♈ 06'49	
retrograde	-11999 Jul 13 j 23:20	15° ♈ 29'14			-11998 May 29 j 12:43	0° ♈	
evening set	-11999 Jul 18 j 19:58	13° ♈ 26'50		desc. node	-11998 Jun 05 j 01:47	9° ♈ 12'06	
inferior conj	-11999 Jul 24 j 01:08	7° ♈ 12'55	-1°16'35	evening max el	-11998 Jun 16 j 11:35	22° ♈ 55'31	24°16'43
minimum elong	-11999 Jul 24 j 02:38	7° ♈ 07'45	1°15'38	retrograde	-11998 Jun 27 j 13:44	29° ♈ 29'14	
min. Earth dist.	-11999 Jul 23 j 22:54	7° ♈ 20'37	0.67244 AU	evening set	-11998 Jul 03 j 01:12	27° ♈ 06'33	
asc. node	-11999 Jul 28 j 05:49	1° ♈ 58'21		min. Earth dist.	-11998 Jul 07 j 17:33	21° ♈ 36'35	0.67088 AU

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

inferior conj	-11998 Jul 08 j 07:01	20° Υ 50'53	-1°58'40			-11997 Jun 26 j 05:14	30° κ	
minimum elong	-11998 Jul 08 j 09:06	20° Υ 43'49	1°57'47	morning rise		-11997 Jun 28 j 00:13	28° κ 30'30	
morning rise	-11998 Jul 13 j 16:57	14° Υ 42'02		direct		-11997 Jul 01 j 12:02	27° κ 19'41	
asc. node	-11998 Jul 15 j 02:38	13° Υ 50'29		asc. node		-11997 Jul 01 j 23:24	27° κ 20'56	
direct	-11998 Jul 17 j 14:14	13° Υ 15'28				-11997 Jul 07 j 04:30	0° Υ	
morning max el	-11998 Jul 25 j 18:11	18° Υ 05'36	20°42'09	morning max el		-11997 Jul 08 j 20:14	1° Υ 34'21	19°38'12
	-11998 Aug 04 j 04:16	0° δ				-11997 Jul 28 j 19:33	0° δ	
morning set	-11998 Aug 23 j 05:54	28° δ 39'18		morning set		-11997 Aug 02 j 10:49	7° δ 14'23	
	-11998 Aug 24 j 02:36	0° Π		max. Earth dist.		-11997 Aug 15 j 15:38	28° δ 01'26	1.44251 AU
desc. node	-11998 Aug 31 j 22:41	12° Π 24'34				-11997 Aug 16 j 21:26	0° Π	
max. Earth dist.	-11998 Sep 02 j 01:32	14° Π 12'46	1.43246 AU					
				superior conj		-11997 Aug 18 j 21:46	3° Π 13'06	-0°00'27
superior conj	-11998 Sep 08 j 02:15	24° Π 05'44	-0°42'04	minimum elong		-11997 Aug 18 j 21:47	3° Π 13'12	0°00'09
minimum elong	-11998 Sep 07 j 22:33	23° Π 50'23	0°40'56	behind sun begin		-11997 Aug 18 j 10:49	2° Π 29'19	
	-11998 Sep 11 j 14:39	0° ϵ		behind sun end		-11997 Aug 19 j 08:45	3° Π 57'10	
evening rise	-11998 Sep 20 j 11:29	15° ϵ 19'38		desc. node		-11997 Aug 18 j 19:56	3° Π 05'45	
	-11998 Sep 28 j 23:11	0° Ω		evening rise		-11997 Sep 02 j 07:59	26° Π 50'07	
evening max el	-11998 Oct 07 j 13:53	12° Ω 02'23	18°08'22			-11997 Sep 04 j 05:27	0° ϵ	
asc. node	-11998 Oct 11 j 02:31	14° Ω 45'53		evening max el		-11997 Sep 21 j 03:33	25° ϵ 27'58	18°24'34
retrograde	-11998 Oct 14 j 05:59	15° Ω 34'54		retrograde		-11997 Sep 27 j 18:39	29° ϵ 06'38	
evening set	-11998 Oct 16 j 20:31	15° Ω 01'41		asc. node		-11997 Sep 27 j 23:39	29° ϵ 06'24	
inferior conj	-11998 Oct 23 j 11:04	9° Ω 45'53	3°19'35	evening set		-11997 Sep 30 j 13:52	28° ϵ 24'16	
minimum elong	-11998 Oct 23 j 07:14	9° Ω 55'40	3°19'14	inferior conj		-11997 Oct 06 j 18:21	22° ϵ 51'12	2°33'22
min. Earth dist.	-11998 Oct 26 j 01:21	7° Ω 07'12	0.62583 AU	minimum elong		-11997 Oct 06 j 15:00	23° ϵ 00'42	2°32'58
morning rise	-11998 Oct 29 j 16:59	3° Ω 55'31		min. Earth dist.		-11997 Oct 08 j 19:56	20° ϵ 30'50	0.64100 AU
direct	-11998 Nov 05 j 18:23	1° Ω 20'14		morning rise		-11997 Oct 12 j 15:26	16° ϵ 47'22	
morning max el	-11998 Nov 19 j 12:23	8° Ω 50'24	27°34'24	direct		-11997 Oct 19 j 11:27	14° ϵ 03'45	
desc. node	-11998 Nov 27 j 23:07	18° Ω 28'46		morning max el		-11997 Nov 01 j 21:36	21° ϵ 36'08	27°19'20
	-11998 Dec 06 j 01:38	0° η				-11997 Nov 09 j 08:54	0° Ω	
morning set	-11998 Dec 22 j 23:36	0° α 10'46		desc. node		-11997 Nov 14 j 19:48	7° Ω 16'11	
	-11998 Dec 22 j 21:28	0° α				-11997 Nov 29 j 03:10	0° η	
max. Earth dist.	-11998 Dec 28 j 16:12	12° α 04'05	1.33203 AU	morning set		-11997 Dec 06 j 18:55	14° η 17'00	
				max. Earth dist.		-11997 Dec 11 j 18:39	24° η 22'19	1.33962 AU
						-11997 Dec 14 j 11:02	0° α	
superior conj	-11998 Dec 30 j 09:44	15° α 47'32	-1°05'32					
minimum elong	-11998 Dec 30 j 11:46	15° α 58'33	1°05'25	superior conj		-11997 Dec 14 j 16:56	0° α 31'20	-1°21'01
evening rise	-11997 Jan 06 j 11:09	0° μ 58'15		minimum elong		-11997 Dec 14 j 18:56	0° α 41'54	1°20'47
	-11997 Jan 06 j 00:06	0° μ		evening rise		-11997 Dec 21 j 22:06	15° α 51'29	
asc. node	-11997 Jan 07 j 00:11	2° μ 06'25		asc. node		-11997 Dec 24 j 21:31	21° α 57'43	
	-11997 Jan 22 j 18:37	0° π				-11997 Dec 29 j 02:03	0° μ	
evening max el	-11997 Jan 31 j 00:23	9° π 40'36	24°01'33	evening max el		-11996 Jan 12 j 18:37	20° μ 33'00	22°27'27
retrograde	-11997 Feb 13 j 15:42	16° π 24'47		retrograde		-11996 Jan 25 j 11:48	26° μ 38'35	
evening set	-11997 Feb 17 j 19:46	15° π 46'12		evening set		-11996 Jan 28 j 18:19	26° μ 15'03	
desc. node	-11997 Feb 24 j 00:46	12° π 49'52		min. Earth dist.		-11996 Feb 06 j 04:37	22° μ 27'50	0.55530 AU
min. Earth dist.	-11997 Feb 24 j 13:32	12° π 30'36	0.56336 AU	inferior conj		-11996 Feb 06 j 20:37	22° μ 04'49	1°01'57
inferior conj	-11997 Feb 26 j 17:29	11° π 10'07	-0°40'44	minimum elong		-11996 Feb 06 j 23:14	22° μ 01'04	1°00'35
minimum elong	-11997 Feb 26 j 15:53	11° π 12'38	0°40'53	desc. node		-11996 Feb 10 j 21:35	19° μ 52'37	
morning rise	-11997 Mar 07 j 14:45	7° π 03'33		morning rise		-11996 Feb 16 j 05:11	18° μ 01'07	
direct	-11997 Mar 09 j 18:43	6° π 51'08		direct		-11996 Feb 18 j 13:46	17° μ 48'10	
morning max el	-11997 Mar 19 j 17:53	11° π 33'48	19°47'57	morning max el		-11996 Mar 01 j 05:00	23° μ 21'35	21°01'42
	-11997 Apr 01 j 09:26	0° π				-11996 Mar 06 j 21:52	0° π	
asc. node	-11997 Apr 04 j 22:39	6° π 51'17		morning set		-11996 Mar 20 j 15:47	24° π 22'33	
morning set	-11997 Apr 06 j 08:57	9° π 42'19		asc. node		-11996 Mar 21 j 19:40	26° π 46'06	
						-11996 Mar 23 j 09:03	0° π	
superior conj	-11997 Apr 14 j 11:11	25° π 59'48	1°17'59					
minimum elong	-11997 Apr 14 j 08:12	25° π 45'02	1°16'59	superior conj		-11996 Mar 28 j 05:49	10° π 05'18	0°56'47
	-11997 Apr 16 j 12:04	0° \approx		minimum elong		-11996 Mar 28 j 03:27	9° π 53'08	0°55'43
max. Earth dist.	-11997 Apr 19 j 22:40	6° \approx 36'03	1.36988 AU	max. Earth dist.		-11996 Apr 01 j 08:27	18° π 23'22	1.35462 AU
evening rise	-11997 Apr 24 j 00:10	14° \approx 05'55		evening rise		-11996 Apr 05 j 20:38	27° π 06'30	
	-11997 May 03 j 06:30	0° π				-11996 Apr 07 j 09:49	0° \approx	
desc. node	-11997 May 22 j 23:14	28° π 29'47				-11996 Apr 25 j 14:07	0° π	
	-11997 May 24 j 04:49	0° Υ		desc. node		-11996 May 08 j 20:38	17° π 04'46	
evening max el	-11997 May 29 j 21:08	6° Υ 17'05	25°33'25	evening max el		-11996 May 11 j 07:21	19° π 37'08	26°35'52
retrograde	-11997 Jun 11 j 00:04	13° Υ 22'48		retrograde		-11996 May 24 j 05:46	27° π 03'03	
evening set	-11997 Jun 17 j 01:47	10° Υ 44'03		evening set		-11996 May 30 j 19:22	24° π 16'17	
min. Earth dist.	-11997 Jun 21 j 08:49	5° Υ 52'55	0.66584 AU	min. Earth dist.		-11996 Jun 03 j 18:33	20° π 04'12	0.65700 AU
inferior conj	-11997 Jun 22 j 10:40	4° Υ 28'40	-2°34'41	inferior conj		-11996 Jun 05 j 10:04	18° π 03'15	-3°03'01
minimum elong	-11997 Jun 22 j 12:59	4° Υ 21'07	2°34'05					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-11996 Jun 05 j 12:09	17° K 56'52	3°02'50	min. Earth dist.	-11995 May 17 j 20:52	4° K 03'03	0.64424 AU
morning rise	-11996 Jun 11 j 05:10	12° K 18'27		inferior conj	-11995 May 20 j 02:53	1° K 31'25	-3°21'26
direct	-11996 Jun 14 j 09:20	11° K 21'18		minimum elong	-11995 May 20 j 04:10	1° K 27'47	3°21'41
asc. node	-11996 Jun 17 j 20:11	12° K 24'59			-11995 May 21 j 11:57	30° R ≈	
morning max el	-11996 Jun 21 j 04:05	15° K 08'50	18°49'11	morning rise	-11995 May 26 j 05:43	26°≈02'20	
	-11996 Jul 01 j 23:48	0° Y		direct	-11995 May 29 j 03:53	25°≈16'49	
morning set	-11996 Jul 12 j 08:19	16° Y 35'19		morning max el	-11995 Jun 04 j 16:04	28°≈46'36	18°17'02
	-11996 Jul 20 j 17:14	0° Z		asc. node	-11995 Jun 04 j 16:58	28°≈48'52	
					-11995 Jun 05 j 19:33	0° K	
superior conj	-11996 Jul 27 j 23:15	11° Z 30'09	0°44'44	morning set	-11995 Jun 23 j 06:50	27° K 05'49	
minimum elong	-11996 Jul 28 j 04:23	11° Z 50'28	0°44'35		-11995 Jun 25 j 00:22	0° Y	
max. Earth dist.	-11996 Jul 28 j 07:48	12° Z 04'00	1.44585 AU				
desc. node	-11996 Aug 04 j 17:15	23° Z 46'17		superior conj	-11995 Jul 07 j 04:00	19° Y 58'29	1°21'50
	-11996 Aug 08 j 15:20	0° II		minimum elong	-11995 Jul 07 j 10:26	20° Y 24'21	1°21'30
evening rise	-11996 Aug 13 j 02:31	7° II 07'40		max. Earth dist.	-11995 Jul 10 j 23:35	26° Y 05'07	1.44219 AU
	-11996 Aug 27 j 16:09	0° E			-11995 Jul 13 j 10:45	0° Z	
evening max el	-11996 Sep 03 j 15:23	8° E 57'30	18°58'16	desc. node	-11995 Jul 22 j 14:38	14° Z 23'14	
retrograde	-11996 Sep 10 j 12:31	12° E 50'48		evening rise	-11995 Jul 23 j 18:21	16° Z 11'15	
evening set	-11996 Sep 13 j 14:46	11° E 56'07			-11995 Aug 01 j 16:37	0° II	
asc. node	-11996 Sep 13 j 20:45	11° E 47'03		greatest brilliancy	-11995 Aug 04 j 19:34	4° II 45'05	-0.7m
inferior conj	-11996 Sep 19 j 10:49	6° E 09'02	1°42'30	evening max el	-11995 Aug 17 j 22:54	22° II 27'18	19°48'07
minimum elong	-11996 Sep 19 j 08:29	6° E 16'14	1°42'20	retrograde	-11995 Aug 25 j 08:47	26° II 43'56	
min. Earth dist.	-11996 Sep 20 j 23:51	4° E 15'08	0.65322 AU	evening set	-11995 Aug 28 j 20:27	25° II 33'28	
	-11996 Sep 24 j 23:36	30° R II		asc. node	-11995 Aug 31 j 17:47	22° II 54'19	
morning rise	-11996 Sep 25 j 01:41	29° II 55'33		inferior conj	-11995 Sep 03 j 09:50	19° II 35'23	0°50'12
direct	-11996 Oct 01 j 11:05	27° II 15'00		minimum elong	-11995 Sep 03 j 08:41	19° II 39'08	0°50'26
	-11996 Oct 08 j 19:20	0° E		min. Earth dist.	-11995 Sep 04 j 11:08	18° II 12'41	0.66242 AU
morning max el	-11996 Oct 14 j 07:54	4° E 41'03	26°34'58	morning rise	-11995 Sep 08 j 20:36	13° II 16'14	
desc. node	-11996 Oct 31 j 16:32	26° E 42'39		direct	-11995 Sep 14 j 16:33	10° II 47'12	
	-11996 Nov 02 j 20:49	0° O		morning max el	-11995 Sep 26 j 17:46	17° II 54'17	25°28'41
morning set	-11996 Nov 19 j 02:48	27° O 44'49			-11995 Oct 06 j 23:33	0° E	
	-11996 Nov 20 j 07:14	0° P		desc. node	-11995 Oct 18 j 13:18	16° E 36'39	
max. Earth dist.	-11996 Nov 23 j 10:51	6° P 08'47	1.35141 AU		-11995 Oct 26 j 20:29	0° O	
				morning set	-11995 Nov 01 j 18:41	10° O 20'24	
superior conj	-11996 Nov 27 j 18:45	14° P 55'02	-1°32'15	max. Earth dist.	-11995 Nov 05 j 16:32	17° O 32'36	1.36740 AU
minimum elong	-11996 Nov 27 j 20:12	15° P 02'31	1°31'57				
evening rise	-11996 Dec 05 j 07:12	0° A 34'34		superior conj	-11995 Nov 11 j 12:20	28° O 49'28	-1°37'50
	-11996 Dec 05 j 00:30	0° A		minimum elong	-11995 Nov 11 j 12:40	28° O 51'09	1°37'27
asc. node	-11996 Dec 10 j 18:52	11° A 29'06			-11995 Nov 12 j 02:29	0° P	
	-11996 Dec 23 j 01:06	0° M		evening rise	-11995 Nov 19 j 12:34	15° P 01'17	
evening max el	-11996 Dec 24 j 19:17	1° M 45'57	20°59'56		-11995 Nov 27 j 08:39	0° A	
retrograde	-11995 Jan 05 j 02:16	7° M 04'12		asc. node	-11995 Nov 27 j 16:14	0° A 32'46	
evening set	-11995 Jan 07 j 20:47	6° M 46'15		evening max el	-11995 Dec 07 j 05:36	13° A 30'56	19°47'17
inferior conj	-11995 Jan 16 j 18:05	2° M 47'23	2°40'05	retrograde	-11995 Dec 16 j 22:39	18° A 05'13	
minimum elong	-11995 Jan 16 j 23:45	2° M 39'10	2°38'15	evening set	-11995 Dec 19 j 12:28	17° A 47'24	
min. Earth dist.	-11995 Jan 17 j 18:41	2° M 11'45	0.55586 AU	inferior conj	-11995 Dec 27 j 22:55	13° A 42'35	3°47'51
	-11995 Jan 21 j 21:15	30° R A		minimum elong	-11995 Dec 28 j 03:29	13° A 35'21	3°47'00
morning rise	-11995 Jan 26 j 01:36	28° A 30'55		min. Earth dist.	-11995 Dec 30 j 07:57	12° A 12'45	0.56471 AU
desc. node	-11995 Jan 27 j 18:22	28° A 13'49		morning rise	-11994 Jan 05 j 16:29	9° A 03'52	
direct	-11995 Jan 29 j 04:52	28° A 09'11		direct	-11994 Jan 10 j 02:39	8° A 20'03	
	-11995 Feb 05 j 03:41	0° M		desc. node	-11994 Jan 14 j 15:04	9° A 06'50	
morning max el	-11995 Feb 11 j 05:03	4° M 30'46	22°31'02	morning max el	-11994 Jan 23 j 21:09	15° A 14'08	24°07'51
	-11995 Feb 28 j 11:36	0° Z			-11994 Feb 04 j 12:01	0° M	
morning set	-11995 Mar 05 j 02:24	9° Z 18'18		morning set	-11994 Feb 17 j 14:44	24° M 21'51	
asc. node	-11995 Mar 08 j 16:45	16° Z 53'33			-11994 Feb 20 j 06:26	0° Z	
				asc. node	-11994 Feb 23 j 13:54	7° Z 08'22	
superior conj	-11995 Mar 12 j 08:10	24° Z 37'31	0°33'45				
minimum elong	-11995 Mar 12 j 06:45	24° Z 29'57	0°32'48	superior conj	-11994 Feb 24 j 15:38	9° Z 27'06	0°10'10
	-11995 Mar 14 j 21:48	0° Z		minimum elong	-11994 Feb 24 j 15:14	9° Z 24'54	0°09'26
max. Earth dist.	-11995 Mar 15 j 04:33	0° Z 34'57	1.34284 AU	behind sun begin	-11994 Feb 24 j 11:05	9° Z 02'33	
evening rise	-11995 Mar 20 j 07:22	10° Z 53'10		behind sun end	-11994 Feb 24 j 19:23	9° Z 47'15	
	-11995 Mar 30 j 19:16	0°≈		max. Earth dist.	-11994 Feb 26 j 09:49	13° Z 13'14	1.33456 AU
	-11995 Apr 21 j 01:08	0° K		evening rise	-11994 Mar 04 j 04:04	25° Z 11'36	
evening max el	-11995 Apr 23 j 18:16	2° K 48'42	27°15'53		-11994 Mar 06 j 14:21	0° Z	
desc. node	-11995 Apr 25 j 17:58	4° K 39'46			-11994 Mar 24 j 08:06	0°≈	
retrograde	-11995 May 07 j 06:08	10° K 22'47		evening max el	-11994 Apr 06 j 03:55	15°≈39'06	27°26'58
evening set	-11995 May 14 j 03:13	7° K 39'21		desc. node	-11994 Apr 12 j 15:15	20°≈49'50	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

retrograde	-11994 Apr 20 j 00:11	23° \approx 12'59		evening rise	-11993 Feb 16 j 07:37	9° \approx 51'16	
evening set	-11994 Apr 26 j 22:06	20° \approx 45'50			-11993 Feb 26 j 23:03	0° \approx	
min. Earth dist.	-11994 Apr 30 j 14:20	17° \approx 37'34	0.62779 AU	evening max el	-11993 Mar 19 j 09:43	27° \approx 56'50	27°05'26
inferior conj	-11994 May 03 j 10:13	14° \approx 46'48	-3°26'40		-11993 Mar 21 j 16:03	0° \approx	
minimum elong	-11994 May 03 j 10:07	14° \approx 47'05	3°27'10	desc. node	-11993 Mar 30 j 12:26	5° \approx 03'18	
morning rise	-11994 May 09 j 23:20	9° \approx 35'44		retrograde	-11993 Apr 02 j 10:51	5° \approx 25'56	
direct	-11994 May 12 j 16:41	9° \approx 00'12		evening set	-11993 Apr 09 j 00:41	3° \approx 26'43	
morning max el	-11994 May 19 j 05:53	12° \approx 22'31	18°02'54	min. Earth dist.	-11993 Apr 12 j 22:37	0° \approx 34'13	0.60868 AU
asc. node	-11994 May 22 j 13:46	16° \approx 16'11			-11993 Apr 13 j 14:34	30° \approx 8'30	
	-11994 May 31 j 05:43	0° \approx		inferior conj	-11993 Apr 16 j 04:41	27° \approx 41'54	-3°13'59
morning set	-11994 Jun 05 j 05:28	8° \approx 44'43		minimum elong	-11993 Apr 16 j 02:46	27° \approx 34'09	3°14'24
				morning rise	-11993 Apr 23 j 06:57	22° \approx 35'03	
superior conj	-11994 Jun 17 j 06:24	29° \approx 30'28	1°43'21	direct	-11993 Apr 25 j 19:57	22° \approx 23'47	
minimum elong	-11994 Jun 17 j 09:49	29° \approx 44'47	1°43'10	morning max el	-11993 May 02 j 19:00	25° \approx 50'26	18°07'22
	-11994 Jun 17 j 13:28	0° \approx			-11993 May 06 j 08:34	0° \approx	
max. Earth dist.	-11994 Jun 23 j 12:24	9° \approx 48'27	1.43200 AU	asc. node	-11993 May 09 j 10:35	4° \approx 32'50	
evening rise	-11994 Jul 02 j 19:01	24° \approx 32'48		morning set	-11993 May 18 j 23:41	21° \approx 21'18	
	-11994 Jul 06 j 07:30	0° \approx			-11993 May 23 j 16:47	0° \approx	
desc. node	-11994 Jul 09 j 12:06	4° \approx 53'09					
	-11994 Jul 26 j 22:36	0° \approx		superior conj	-11993 May 29 j 11:48	10° \approx 22'37	1°49'13
evening max el	-11994 Aug 01 j 00:07	5° \approx 54'14	20°52'15	minimum elong	-11993 May 29 j 11:37	10° \approx 21'50	1°48'57
retrograde	-11994 Aug 09 j 05:23	10° \approx 43'24		max. Earth dist.	-11993 Jun 05 j 19:45	22° \approx 56'45	1.41669 AU
evening set	-11994 Aug 13 j 04:35	9° \approx 14'00			-11993 Jun 10 j 02:32	0° \approx	
inferior conj	-11994 Aug 18 j 13:10	3° \approx 07'37	-0°01'14	evening rise	-11993 Jun 12 j 02:41	3° \approx 14'14	
minimum elong	-11994 Aug 18 j 13:11	3° \approx 07'34	0°00'37	desc. node	-11993 Jun 26 j 09:37	25° \approx 11'20	
transit middle	-11994 Aug 18 j 13:11	3° \approx 07'34	0°00'37		-11993 Jun 29 j 17:07	0° \approx	
transit begin	-11994 Aug 18 j 10:28	3° \approx 16'50		evening max el	-11993 Jul 14 j 18:14	19° \approx 16'04	22°07'43
transit end	-11994 Aug 18 j 15:55	2° \approx 58'19		retrograde	-11993 Jul 24 j 00:36	24° \approx 45'29	
asc. node	-11994 Aug 18 j 14:45	3° \approx 02'15		evening set	-11993 Jul 28 j 13:06	22° \approx 55'06	
min. Earth dist.	-11994 Aug 19 j 03:32	2° \approx 18'51	0.66863 AU	inferior conj	-11993 Aug 02 j 18:53	16° \approx 43'04	-0°50'09
	-11994 Aug 20 j 21:43	30° \approx 8'30		minimum elong	-11993 Aug 02 j 19:54	16° \approx 39'33	0°49'16
morning rise	-11994 Aug 23 j 21:37	26° \approx 46'42		min. Earth dist.	-11993 Aug 02 j 22:41	16° \approx 29'58	0.67188 AU
direct	-11994 Aug 29 j 03:15	24° \approx 34'07		asc. node	-11993 Aug 05 j 11:39	13° \approx 07'47	
	-11994 Sep 07 j 23:07	0° \approx		morning rise	-11993 Aug 08 j 02:38	10° \approx 24'00	
morning max el	-11994 Sep 09 j 03:36	1° \approx 09'58	24°09'14	direct	-11993 Aug 12 j 18:25	8° \approx 29'47	
	-11994 Sep 30 j 23:55	0° \approx		morning max el	-11993 Aug 22 j 15:18	14° \approx 26'05	22°45'16
desc. node	-11994 Oct 05 j 10:11	6° \approx 50'16			-11993 Sep 04 j 02:34	0° \approx	
morning set	-11994 Oct 14 j 13:18	21° \approx 54'58		desc. node	-11993 Sep 22 j 07:09	27° \approx 16'52	
max. Earth dist.	-11994 Oct 18 j 16:08	29° \approx 01'42	1.38643 AU		-11993 Sep 23 j 23:46	0° \approx	
	-11994 Oct 19 j 05:11	0° \approx		morning set	-11993 Sep 25 j 06:08	2° \approx 03'10	
				max. Earth dist.	-11993 Sep 30 j 16:08	11° \approx 04'04	1.40620 AU
superior conj	-11994 Oct 25 j 17:59	12° \approx 03'51	-1°35'59				
minimum elong	-11994 Oct 25 j 16:39	11° \approx 57'33	1°35'24	superior conj	-11993 Oct 08 j 06:47	24° \approx 24'01	-1°24'29
evening rise	-11994 Nov 03 j 12:01	29° \approx 05'48		minimum elong	-11993 Oct 08 j 03:35	24° \approx 09'36	1°23'36
	-11994 Nov 03 j 23:05	0° \approx			-11993 Oct 11 j 08:24	0° \approx	
asc. node	-11994 Nov 14 j 13:35	18° \approx 59'13		evening rise	-11993 Oct 18 j 02:41	12° \approx 04'17	
evening max el	-11994 Nov 20 j 01:59	25° \approx 49'15	18°53'43		-11993 Oct 27 j 18:23	0° \approx	
retrograde	-11994 Nov 28 j 10:51	29° \approx 51'12		asc. node	-11993 Nov 01 j 10:54	6° \approx 36'17	
evening set	-11994 Nov 30 j 22:43	29° \approx 31'10		evening max el	-11993 Nov 03 j 06:48	8° \approx 35'32	18°20'32
inferior conj	-11994 Dec 08 j 20:25	25° \approx 09'01	4°15'51	retrograde	-11993 Nov 10 j 16:49	12° \approx 17'39	
minimum elong	-11994 Dec 08 j 21:20	25° \approx 07'21	4°15'55	evening set	-11993 Nov 13 j 04:10	11° \approx 54'02	
min. Earth dist.	-11994 Dec 11 j 22:21	22° \approx 56'01	0.57966 AU	inferior conj	-11993 Nov 20 j 13:11	7° \approx 10'45	4°10'22
morning rise	-11994 Dec 16 j 18:02	20° \approx 06'35		minimum elong	-11993 Nov 20 j 10:58	7° \approx 15'22	4°10'29
direct	-11994 Dec 22 j 11:20	18° \approx 48'27		min. Earth dist.	-11993 Nov 23 j 17:27	4° \approx 32'11	0.59765 AU
desc. node	-11993 Jan 01 j 11:44	22° \approx 36'25		morning rise	-11993 Nov 27 j 16:09	1° \approx 47'05	
morning max el	-11993 Jan 05 j 12:08	25° \approx 59'34	25°38'44		-11993 Dec 02 j 12:37	30° \approx 8'30	
	-11993 Jan 09 j 07:21	0° \approx		direct	-11993 Dec 04 j 07:11	29° \approx 51'43	
	-11993 Jan 28 j 11:19	0° \approx			-11993 Dec 06 j 02:14	0° \approx	
morning set	-11993 Feb 02 j 03:01	9° \approx 26'37		morning max el	-11993 Dec 18 j 07:50	7° \approx 12'52	26°48'51
				desc. node	-11993 Dec 19 j 08:21	8° \approx 13'06	
superior conj	-11993 Feb 09 j 02:09	24° \approx 27'08	-0°13'02		-11992 Jan 04 j 12:45	0° \approx	
minimum elong	-11993 Feb 09 j 02:43	24° \approx 30'09	0°13'29	morning set	-11992 Jan 17 j 13:27	24° \approx 25'46	
behind sun begin	-11993 Feb 09 j 00:06	24° \approx 15'57			-11992 Jan 20 j 04:42	0° \approx	
behind sun end	-11993 Feb 09 j 05:19	24° \approx 14'42					
max. Earth dist.	-11993 Feb 09 j 21:02	26° \approx 09'50	1.32959 AU	superior conj	-11992 Jan 24 j 13:59	9° \approx 31'18	-0°35'02
asc. node	-11993 Feb 10 j 11:07	27° \approx 26'17		minimum elong	-11992 Jan 24 j 15:20	9° \approx 38'40	0°35'13
	-11993 Feb 11 j 15:33	0° \approx		max. Earth dist.	-11992 Jan 24 j 10:31	9° \approx 12'22	1.32779 AU

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

asc. node	-11992 Jan 28 j 08:23	17° \mathbb{M} 43'13		asc. node	-11991 Jan 14 j 05:42	7° \mathbb{M} 54'24	
evening rise	-11992 Jan 31 j 15:36	24° \mathbb{M} 43'53		evening rise	-11991 Jan 15 j 02:05	9° \mathbb{M} 41'55	
	-11992 Feb 03 j 05:21	0° \mathbb{X}			-11991 Jan 25 j 16:38	0° \mathbb{X}	
	-11992 Feb 21 j 01:45	0° \mathbb{Z}		evening max el	-11991 Feb 10 j 05:13	20° \mathbb{X} 45'06	24°53'50
evening max el	-11992 Feb 29 j 10:00	9° \mathbb{Z} 37'12	26°12'17	retrograde	-11991 Feb 24 j 04:02	27° \mathbb{X} 46'07	
retrograde	-11992 Mar 14 j 12:56	16° \mathbb{Z} 56'55		evening set	-11991 Feb 28 j 22:38	26° \mathbb{X} 53'47	
desc. node	-11992 Mar 16 j 09:30	16° \mathbb{Z} 48'14		desc. node	-11991 Mar 03 j 06:27	25° \mathbb{X} 53'17	
evening set	-11992 Mar 20 j 08:43	15° \mathbb{Z} 32'15		min. Earth dist.	-11991 Mar 06 j 18:51	23° \mathbb{X} 49'55	0.57119 AU
min. Earth dist.	-11992 Mar 24 j 23:18	12° \mathbb{Z} 40'41	0.58883 AU	inferior conj	-11991 Mar 09 j 13:19	21° \mathbb{X} 59'20	-1°31'41
inferior conj	-11992 Mar 28 j 06:40	10° \mathbb{Z} 08'45	-2°37'23	minimum elong	-11991 Mar 09 j 10:14	22° \mathbb{X} 04'30	1°31'31
minimum elong	-11992 Mar 28 j 03:17	10° \mathbb{Z} 15'17	2°37'24	morning rise	-11991 Mar 18 j 01:04	17° \mathbb{X} 45'22	
morning rise	-11992 Apr 05 j 00:55	5° \mathbb{Z} 37'30		direct	-11991 Mar 20 j 05:39	17° \mathbb{X} 31'23	
direct	-11992 Apr 07 j 09:28	5° \mathbb{Z} 18'09		morning max el	-11991 Mar 29 j 07:37	21° \mathbb{X} 49'24	19°14'08
morning max el	-11992 Apr 15 j 04:38	9° \mathbb{Z} 02'56	18°30'57		-11991 Apr 04 j 20:18	0° \mathbb{Z}	
asc. node	-11992 Apr 25 j 07:26	23° \mathbb{Z} 27'53		asc. node	-11991 Apr 12 j 04:21	12° \mathbb{Z} 51'44	
	-11992 Apr 28 j 20:51	0° \mathbb{A}		morning set	-11991 Apr 15 j 04:58	18° \mathbb{Z} 45'57	
morning set	-11992 May 01 j 08:53	4° \mathbb{A} 45'20			-11991 Apr 20 j 20:55	0° \mathbb{A}	
superior conj	-11992 May 10 j 16:59	22° \mathbb{A} 27'41	1°43'01	superior conj	-11991 Apr 23 j 16:25	5° \mathbb{A} 29'53	1°28'40
minimum elong	-11992 May 10 j 14:38	22° \mathbb{A} 16'49	1°42'26	minimum elong	-11991 Apr 23 j 13:22	5° \mathbb{A} 15'07	1°27'47
	-11992 May 14 j 20:29	0° \mathbb{H}		max. Earth dist.	-11991 Apr 29 j 21:24	17° \mathbb{A} 11'50	1.37990 AU
max. Earth dist.	-11992 May 17 j 21:24	5° \mathbb{H} 21'36	1.39848 AU	evening rise	-11991 May 03 j 21:47	24° \mathbb{A} 24'04	
evening rise	-11992 May 22 j 10:34	13° \mathbb{H} 07'36			-11991 May 07 j 03:32	0° \mathbb{H}	
	-11992 Jun 01 j 23:00	0° \mathbb{Y}			-11991 May 26 j 14:40	0° \mathbb{Y}	
desc. node	-11992 Jun 12 j 07:08	15° \mathbb{Y} 12'28		desc. node	-11991 May 30 j 04:37	4° \mathbb{Y} 48'39	
	-11992 Jun 23 j 20:17	0° \mathbb{B}		evening max el	-11991 Jun 08 j 16:29	15° \mathbb{Y} 55'52	24°50'36
evening max el	-11992 Jun 26 j 06:40	2° \mathbb{B} 35'27	23°29'31	retrograde	-11991 Jun 20 j 06:02	22° \mathbb{Y} 45'05	
retrograde	-11992 Jul 06 j 17:13	8° \mathbb{B} 47'33		evening set	-11991 Jun 25 j 23:35	20° \mathbb{Y} 15'03	
evening set	-11992 Jul 11 j 20:05	6° \mathbb{B} 36'05		min. Earth dist.	-11991 Jun 30 j 11:52	15° \mathbb{Y} 01'05	0.66913 AU
inferior conj	-11992 Jul 17 j 01:13	0° \mathbb{B} 20'53	-1°35'06	inferior conj	-11991 Jul 01 j 06:23	13° \mathbb{Y} 59'05	-2°14'47
minimum elong	-11992 Jul 17 j 03:00	0° \mathbb{B} 14'44	1°34'09	minimum elong	-11991 Jul 01 j 08:37	13° \mathbb{Y} 51'36	2°14'00
min. Earth dist.	-11992 Jul 16 j 18:15	0° \mathbb{B} 44'50	0.67213 AU	morning rise	-11991 Jul 06 j 17:36	7° \mathbb{Y} 54'07	
	-11992 Jul 17 j 07:17	30° \mathbb{R} \mathbb{Y}		asc. node	-11991 Jul 09 j 05:15	6° \mathbb{Y} 42'59	
morning rise	-11992 Jul 22 j 09:52	24° \mathbb{Y} 07'11		direct	-11991 Jul 10 j 10:35	6° \mathbb{Y} 34'30	
asc. node	-11992 Jul 22 j 08:28	24° \mathbb{Y} 09'57		morning max el	-11991 Jul 18 j 05:31	11° \mathbb{Y} 09'03	20°13'12
direct	-11992 Jul 26 j 13:19	22° \mathbb{Y} 30'58			-11991 Aug 01 j 06:19	0° \mathbb{B}	
morning max el	-11992 Aug 04 j 07:22	27° \mathbb{Y} 45'03	21°24'33	morning set	-11991 Aug 14 j 01:18	19° \mathbb{B} 35'21	
	-11992 Aug 06 j 08:47	0° \mathbb{B}			-11991 Aug 20 j 16:45	0° \mathbb{I}	
	-11992 Aug 27 j 17:57	0° \mathbb{I}		max. Earth dist.	-11991 Aug 25 j 07:35	7° \mathbb{I} 20'40	1.43746 AU
morning set	-11992 Sep 03 j 22:09	11° \mathbb{I} 06'34		desc. node	-11991 Aug 26 j 01:26	8° \mathbb{I} 32'15	
desc. node	-11992 Sep 08 j 04:13	17° \mathbb{I} 52'08		superior conj	-11991 Aug 30 j 08:04	15° \mathbb{I} 27'44	-0°25'29
max. Earth dist.	-11992 Sep 11 j 20:51	23° \mathbb{I} 51'40	1.42404 AU	minimum elong	-11991 Aug 30 j 05:31	15° \mathbb{I} 17'21	0°24'30
	-11992 Sep 15 j 13:45	0° \mathbb{E}			-11991 Sep 08 j 01:44	0° \mathbb{E}	
superior conj	-11992 Sep 18 j 21:01	5° \mathbb{E} 35'37	-1°01'13	evening rise	-11991 Sep 12 j 13:50	7° \mathbb{E} 41'30	
minimum elong	-11992 Sep 18 j 16:49	5° \mathbb{E} 17'36	1°00'04		-11991 Sep 26 j 03:49	0° \mathbb{O}	
evening rise	-11992 Sep 30 j 04:55	25° \mathbb{E} 36'06		evening max el	-11991 Sep 30 j 06:58	5° \mathbb{O} 04'39	18°13'09
	-11992 Oct 02 j 15:28	0° \mathbb{O}		asc. node	-11991 Oct 05 j 05:18	8° \mathbb{O} 23'48	
evening max el	-11992 Oct 16 j 17:28	21° \mathbb{O} 43'05	18°07'19	retrograde	-11991 Oct 06 j 21:42	8° \mathbb{O} 38'28	
asc. node	-11992 Oct 18 j 08:09	23° \mathbb{O} 09'50		evening set	-11991 Oct 09 j 13:58	8° \mathbb{O} 01'44	
retrograde	-11992 Oct 23 j 13:45	25° \mathbb{O} 16'13		inferior conj	-11991 Oct 16 j 00:05	2° \mathbb{O} 38'32	3°00'50
evening set	-11992 Oct 26 j 02:28	24° \mathbb{O} 47'15		minimum elong	-11991 Oct 15 j 20:22	2° \mathbb{O} 48'29	3°00'25
inferior conj	-11992 Nov 01 j 23:29	19° \mathbb{O} 43'01	3°42'18		-11991 Oct 18 j 11:33	30° \mathbb{R} \mathbb{E}	
minimum elong	-11992 Nov 01 j 19:49	19° \mathbb{O} 51'46	3°42'05	min. Earth dist.	-11991 Oct 18 j 09:11	0° \mathbb{O} 06'09	0.63263 AU
min. Earth dist.	-11992 Nov 04 j 20:28	16° \mathbb{O} 59'04	0.61598 AU	morning rise	-11991 Oct 22 j 01:53	26° \mathbb{E} 42'12	
morning rise	-11992 Nov 08 j 11:55	14° \mathbb{O} 01'29		direct	-11991 Oct 29 j 02:02	24° \mathbb{E} 01'27	
direct	-11992 Nov 15 j 12:44	11° \mathbb{O} 36'40			-11991 Nov 10 j 00:57	0° \mathbb{O}	
morning max el	-11992 Nov 29 j 09:54	19° \mathbb{O} 04'52	27°27'41	morning max el	-11991 Nov 11 j 16:59	1° \mathbb{O} 33'20	27°31'53
desc. node	-11992 Dec 05 j 04:57	25° \mathbb{O} 24'02		desc. node	-11991 Nov 22 j 01:35	13° \mathbb{O} 42'40	
	-11992 Dec 08 j 19:34	0° \mathbb{N}			-11991 Dec 02 j 22:03	0° \mathbb{N}	
	-11992 Dec 27 j 04:51	0° \mathbb{U}		morning set	-11991 Dec 15 j 20:13	23° \mathbb{N} 35'23	
morning set	-11992 Dec 31 j 19:57	9° \mathbb{U} 11'23			-11991 Dec 18 j 23:41	0° \mathbb{U}	
max. Earth dist.	-11991 Jan 06 j 22:28	22° \mathbb{U} 06'45	1.32940 AU	max. Earth dist.	-11991 Dec 21 j 05:24	4° \mathbb{U} 41'33	1.33474 AU
superior conj	-11991 Jan 08 j 01:25	24° \mathbb{U} 33'01	-0°55'09	superior conj	-11991 Dec 23 j 10:47	9° \mathbb{U} 26'12	-1°12'34
minimum elong	-11991 Jan 08 j 03:18	24° \mathbb{U} 43'15	0°55'06	minimum elong	-11991 Dec 23 j 12:51	9° \mathbb{U} 37'19	1°12'22
	-11991 Jan 10 j 13:31	0° \mathbb{M}		evening rise	-11991 Dec 30 j 13:23	24° \mathbb{U} 39'29	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

asc. node	-11990 Jan 01 j 03:03	27° Ω 55'09		superior conj	-11990 Dec 07 j 16:00	24° Π 02'41	-1°26'23
	-11990 Jan 02 j 03:32	0° \mathbb{M}		minimum elong	-11990 Dec 07 j 17:50	24° Π 12'17	1°26'07
	-11990 Jan 21 j 07:07	0° \mathcal{A}			-11990 Dec 10 j 11:42	0° \mathcal{A}	
evening max el	-11990 Jan 22 j 22:35	1° \mathcal{A} 37'48	23°21'32	evening rise	-11990 Dec 14 j 23:46	9° \mathcal{A} 29'32	
retrograde	-11990 Feb 05 j 06:11	8° \mathcal{A} 06'32		asc. node	-11990 Dec 19 j 00:24	17° \mathcal{A} 39'08	
evening set	-11990 Feb 08 j 23:58	7° \mathcal{A} 35'57			-11990 Dec 25 j 21:52	0° \mathbb{M}	
min. Earth dist.	-11990 Feb 16 j 11:13	4° \mathcal{A} 08'42	0.55898 AU	evening max el	-11989 Jan 04 j 19:01	12° \mathbb{M} 36'52	21°48'46
inferior conj	-11990 Feb 18 j 00:59	3° \mathcal{A} 12'30	0°01'28	retrograde	-11989 Jan 16 j 22:17	18° \mathbb{M} 22'09	
minimum elong	-11990 Feb 18 j 01:01	3° \mathcal{A} 12'26	0°00'52	evening set	-11989 Jan 19 j 22:51	18° \mathbb{M} 01'45	
transit middle	-11990 Feb 18 j 01:01	3° \mathcal{A} 12'26	0°00'52	inferior conj	-11989 Jan 29 j 00:04	13° \mathbb{M} 58'39	1°45'52
transit begin	-11990 Feb 17 j 21:00	3° \mathcal{A} 18'27		minimum elong	-11989 Jan 29 j 04:23	13° \mathbb{M} 52'31	1°44'06
transit end	-11990 Feb 18 j 05:03	3° \mathcal{A} 06'26		min. Earth dist.	-11989 Jan 29 j 01:30	13° \mathbb{M} 56'37	0.55456 AU
desc. node	-11990 Feb 18 j 03:18	3° \mathcal{A} 09'03		desc. node	-11989 Feb 05 j 00:05	10° \mathbb{M} 31'13	
	-11990 Feb 24 j 04:34	30° $\mathbb{R}\mathbb{M}$		morning rise	-11989 Feb 07 j 09:58	9° \mathbb{M} 51'35	
morning rise	-11990 Feb 27 j 04:06	29° \mathbb{M} 08'28		direct	-11989 Feb 10 j 00:57	9° \mathbb{M} 36'04	
direct	-11990 Mar 01 j 08:48	28° \mathbb{M} 56'27		morning max el	-11989 Feb 22 j 07:12	15° \mathbb{M} 30'33	21°38'07
	-11990 Mar 06 j 06:29	0° \mathcal{A}			-11989 Mar 05 j 05:35	0° \mathcal{A}	
morning max el	-11990 Mar 12 j 01:04	4° \mathcal{A} 00'29	20°17'00	morning set	-11989 Mar 14 j 17:26	18° \mathcal{A} 02'32	
	-11990 Mar 28 j 18:01	0° \mathcal{B}		asc. node	-11989 Mar 16 j 22:25	22° \mathcal{A} 38'21	
morning set	-11990 Mar 30 j 08:42	3° \mathcal{B} 14'32			-11989 Mar 20 j 10:33	0° \mathcal{B}	
asc. node	-11990 Mar 30 j 01:21	2° \mathcal{B} 37'21					
				superior conj	-11989 Mar 22 j 03:29	3° \mathcal{B} 33'45	0°47'09
superior conj	-11990 Apr 07 j 05:13	19° \mathcal{B} 15'47	1°09'18	minimum elong	-11989 Mar 22 j 01:30	3° \mathcal{B} 23'22	0°46'07
minimum elong	-11990 Apr 07 j 02:26	19° \mathcal{B} 01'46	1°08'16	max. Earth dist.	-11989 Mar 25 j 16:57	10° \mathcal{B} 52'14	1.34923 AU
max. Earth dist.	-11990 Apr 12 j 02:29	28° \mathcal{B} 54'16	1.36308 AU	evening rise	-11989 Mar 30 j 11:00	20° \mathcal{B} 13'50	
	-11990 Apr 12 j 16:10	0° \approx			-11989 Apr 04 j 17:31	0° \approx	
evening rise	-11990 Apr 16 j 07:52	6° \approx 51'52			-11989 Apr 23 j 20:28	0° \mathcal{H}	
	-11990 Apr 29 j 22:19	0° \mathcal{H}		desc. node	-11989 May 03 j 23:23	12° \mathcal{H} 02'05	
desc. node	-11990 May 17 j 02:02	23° \mathcal{H} 49'54		evening max el	-11989 May 04 j 13:13	12° \mathcal{H} 36'30	26°56'03
evening max el	-11990 May 22 j 02:27	29° \mathcal{H} 18'15	26°02'18	retrograde	-11989 May 17 j 17:40	20° \mathcal{H} 06'20	
	-11990 May 22 j 19:35	0° \mathcal{Y}		evening set	-11989 May 24 j 11:17	17° \mathcal{H} 19'27	
retrograde	-11990 Jun 03 j 14:23	6° \mathcal{Y} 33'26		min. Earth dist.	-11989 May 28 j 07:48	13° \mathcal{H} 23'25	0.65209 AU
evening set	-11990 Jun 09 j 21:28	3° \mathcal{Y} 50'26		inferior conj	-11989 May 30 j 05:26	11° \mathcal{H} 08'33	-3°12'14
	-11990 Jun 13 j 10:56	30° $\mathbb{R}\mathcal{H}$		minimum elong	-11989 May 30 j 07:15	11° \mathcal{H} 03'09	3°12'14
min. Earth dist.	-11990 Jun 14 j 01:06	29° \mathcal{H} 15'49	0.66258 AU	morning rise	-11989 Jun 05 j 03:32	5° \mathcal{H} 30'15	
inferior conj	-11990 Jun 15 j 08:30	27° \mathcal{H} 35'53	-2°47'46	direct	-11989 Jun 08 j 05:05	4° \mathcal{H} 38'09	
minimum elong	-11990 Jun 15 j 10:46	27° \mathcal{H} 28'38	2°47'21	asc. node	-11989 Jun 12 j 22:49	6° \mathcal{H} 34'45	
morning rise	-11990 Jun 21 j 00:08	21° \mathcal{H} 42'53		morning max el	-11989 Jun 14 j 19:59	8° \mathcal{H} 16'31	18°33'25
direct	-11990 Jun 24 j 08:34	20° \mathcal{H} 37'56			-11989 Jun 29 j 18:33	0° \mathcal{Y}	
asc. node	-11990 Jun 26 j 02:02	20° \mathcal{H} 54'25		morning set	-11989 Jul 04 j 19:24	8° \mathcal{Y} 15'21	
morning max el	-11990 Jul 01 j 10:05	24° \mathcal{H} 39'50	19°15'19		-11989 Jul 18 j 06:21	0° \mathcal{B}	
	-11990 Jul 05 j 20:45	0° \mathcal{Y}					
morning set	-11990 Jul 24 j 11:29	28° \mathcal{Y} 25'00		superior conj	-11989 Jul 19 j 17:53	2° \mathcal{B} 21'18	1°02'06
	-11990 Jul 25 j 11:32	0° \mathcal{B}		minimum elong	-11989 Jul 20 j 00:14	2° \mathcal{B} 46'34	1°01'47
max. Earth dist.	-11990 Aug 07 j 23:05	21° \mathcal{B} 17'58	1.44480 AU	max. Earth dist.	-11989 Jul 21 j 16:08	5° \mathcal{B} 24'46	1.44515 AU
				desc. node	-11989 Jul 30 j 20:04	19° \mathcal{B} 53'06	
superior conj	-11990 Aug 09 j 17:52	24° \mathcal{B} 07'40	0°18'59	evening rise	-11989 Aug 05 j 06:36	28° \mathcal{B} 27'42	
minimum elong	-11990 Aug 09 j 20:12	24° \mathcal{B} 16'55	0°19'13		-11989 Aug 06 j 06:01	0° \mathbb{I}	
desc. node	-11990 Aug 12 j 22:42	29° \mathcal{B} 13'30			-11989 Aug 26 j 10:08	0° \mathcal{E}	
	-11990 Aug 13 j 10:21	0° \mathbb{I}		evening max el	-11989 Aug 28 j 06:33	2° \mathcal{E} 02'58	19°17'33
evening rise	-11990 Aug 24 j 23:46	18° \mathbb{I} 42'02		retrograde	-11989 Sep 04 j 08:11	6° \mathcal{E} 05'07	
	-11990 Aug 31 j 21:32	0° \mathcal{E}		evening set	-11989 Sep 07 j 14:14	5° \mathcal{E} 03'59	
evening max el	-11990 Sep 13 j 20:16	18° \mathcal{E} 32'51	18°36'56	asc. node	-11989 Sep 08 j 23:31	4° \mathcal{E} 01'47	
retrograde	-11990 Sep 20 j 12:54	22° \mathcal{E} 16'20			-11989 Sep 12 j 15:48	30° $\mathbb{R}\mathbb{I}$	
asc. node	-11990 Sep 22 j 02:26	22° \mathcal{E} 02'40		inferior conj	-11989 Sep 13 j 07:10	29° \mathbb{I} 11'34	1°20'19
evening set	-11990 Sep 23 j 10:57	21° \mathcal{E} 28'58		minimum elong	-11989 Sep 13 j 05:20	29° \mathbb{I} 17'24	1°20'20
inferior conj	-11990 Sep 29 j 11:37	15° \mathcal{E} 49'34	2°12'08	min. Earth dist.	-11989 Sep 14 j 14:59	27° \mathbb{I} 30'53	0.65748 AU
minimum elong	-11990 Sep 29 j 08:39	15° \mathcal{E} 58'17	2°11'48	morning rise	-11989 Sep 18 j 20:04	22° \mathbb{I} 55'16	
min. Earth dist.	-11990 Oct 01 j 07:44	13° \mathcal{E} 39'57	0.64657 AU	direct	-11989 Sep 24 j 23:51	20° \mathbb{I} 19'09	
morning rise	-11990 Oct 05 j 05:47	9° \mathcal{E} 41'30		morning max el	-11989 Oct 07 j 13:10	27° \mathbb{I} 38'25	26°09'04
direct	-11990 Oct 11 j 21:53	6° \mathcal{E} 58'03			-11989 Oct 09 j 19:33	0° \mathcal{E}	
morning max el	-11990 Oct 25 j 02:46	14° \mathcal{E} 28'11	27°03'44	desc. node	-11989 Oct 26 j 19:04	22° \mathcal{E} 27'55	
	-11990 Nov 06 j 22:51	0° \mathcal{Q}			-11989 Oct 31 j 15:05	0° \mathcal{Q}	
desc. node	-11990 Nov 08 j 22:17	2° \mathcal{Q} 48'30		morning set	-11989 Nov 12 j 12:49	20° \mathcal{Q} 33'47	
	-11990 Nov 25 j 12:23	0° \mathbb{P}		max. Earth dist.	-11989 Nov 16 j 15:41	28° \mathcal{Q} 22'54	1.35779 AU
morning set	-11990 Nov 29 j 11:09	7° \mathbb{P} 26'43			-11989 Nov 17 j 11:36	0° \mathbb{P}	
max. Earth dist.	-11990 Dec 04 j 03:51	16° \mathbb{P} 46'57	1.34416 AU				

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-11989 Nov 21 j 14:40	8° \mathbb{M} 14'46	-1°35'24	minimum elong	-11988 Nov 04 j 03:20	21° Ω 51'36	1°37'39
minimum elong	-11989 Nov 21 j 15:43	8° \mathbb{M} 20'07	1°35'05		-11988 Nov 08 j 06:03	0° \mathbb{M}	
evening rise	-11989 Nov 29 j 07:31	24° \mathbb{M} 06'24		evening rise	-11988 Nov 12 j 10:39	8° \mathbb{M} 24'12	
	-11989 Dec 02 j 05:39	0° $\underline{\mathbb{A}}$		asc. node	-11988 Nov 21 j 19:08	25° \mathbb{M} 49'01	
asc. node	-11989 Dec 05 j 21:46	6° $\underline{\mathbb{A}}$ 59'49			-11988 Nov 24 j 12:47	0° $\underline{\mathbb{A}}$	
evening max el	-11989 Dec 17 j 23:22	24° $\underline{\mathbb{A}}$ 01'47	20°26'45	evening max el	-11988 Nov 29 j 14:02	6° $\underline{\mathbb{A}}$ 01'15	19°22'05
retrograde	-11989 Dec 28 j 14:09	29° $\underline{\mathbb{A}}$ 00'48		retrograde	-11988 Dec 08 j 16:41	10° $\underline{\mathbb{A}}$ 20'31	
evening set	-11989 Dec 31 j 06:02	28° $\underline{\mathbb{A}}$ 43'18		evening set	-11988 Dec 11 j 05:14	10° $\underline{\mathbb{A}}$ 02'07	
inferior conj	-11988 Jan 08 j 23:06	24° $\underline{\mathbb{A}}$ 43'15	3°13'36	inferior conj	-11988 Dec 19 j 10:22	5° $\underline{\mathbb{A}}$ 51'01	4°04'28
minimum elong	-11988 Jan 09 j 04:48	24° $\underline{\mathbb{A}}$ 34'43	3°12'05	minimum elong	-11988 Dec 19 j 13:29	5° $\underline{\mathbb{A}}$ 45'47	4°04'06
min. Earth dist.	-11988 Jan 10 j 14:52	23° $\underline{\mathbb{A}}$ 43'59	0.55873 AU	min. Earth dist.	-11988 Dec 22 j 04:38	4° $\underline{\mathbb{A}}$ 00'45	0.57040 AU
morning rise	-11988 Jan 18 j 02:01	20° $\underline{\mathbb{A}}$ 18'08		morning rise	-11988 Dec 27 j 19:34	1° $\underline{\mathbb{A}}$ 01'33	
direct	-11988 Jan 21 j 17:17	19° $\underline{\mathbb{A}}$ 49'03		direct	-11987 Jan 01 j 19:27	0° $\underline{\mathbb{A}}$ 04'16	
desc. node	-11988 Jan 22 j 20:51	19° $\underline{\mathbb{A}}$ 52'02		desc. node	-11987 Jan 08 j 17:33	1° $\underline{\mathbb{A}}$ 54'01	
morning max el	-11988 Feb 04 j 03:17	26° $\underline{\mathbb{A}}$ 26'10	23°12'05	morning max el	-11987 Jan 15 j 18:15	7° $\underline{\mathbb{A}}$ 07'59	24°48'11
	-11988 Feb 07 j 12:10	0° \mathbb{M}			-11987 Feb 01 j 09:43	0° \mathbb{M}	
	-11988 Feb 25 j 17:45	0° \mathbb{X}		morning set	-11987 Feb 10 j 17:32	18° \mathbb{M} 07'58	
morning set	-11988 Feb 27 j 04:59	3° \mathbb{X} 02'29			-11987 Feb 16 j 06:16	0° \mathbb{X}	
asc. node	-11988 Mar 02 j 19:32	12° \mathbb{X} 49'31					
				superior conj	-11987 Feb 17 j 17:19	3° \mathbb{X} 10'02	0°00'14
superior conj	-11988 Mar 05 j 08:17	18° \mathbb{X} 14'17	0°23'45	minimum elong	-11987 Feb 17 j 17:20	3° \mathbb{X} 10'06	0°00'23
minimum elong	-11988 Mar 05 j 07:17	18° \mathbb{X} 08'59	0°22'53	behind sun begin	-11987 Feb 17 j 12:15	2° \mathbb{X} 42'37	
max. Earth dist.	-11988 Mar 07 j 17:12	23° \mathbb{X} 15'22	1.33888 AU	behind sun end	-11987 Feb 17 j 22:24	3° \mathbb{X} 37'34	
	-11988 Mar 10 j 23:30	0° \mathbb{Z}		asc. node	-11987 Feb 17 j 16:42	3° \mathbb{X} 06'44	
evening rise	-11988 Mar 13 j 02:21	4° \mathbb{Z} 15'04		max. Earth dist.	-11987 Feb 19 j 01:16	6° \mathbb{X} 02'37	1.33199 AU
	-11988 Mar 27 j 11:41	0° \approx		evening rise	-11987 Feb 25 j 02:19	18° \mathbb{X} 44'20	
evening max el	-11988 Apr 15 j 23:38	25° \approx 39'40	27°24'22		-11987 Mar 02 j 20:56	0° \mathbb{Z}	
desc. node	-11988 Apr 19 j 20:43	29° \approx 04'26			-11987 Mar 21 j 22:50	0° \approx	
	-11988 Apr 21 j 02:46	0° \mathbb{X}		evening max el	-11987 Mar 29 j 07:49	8° \approx 17'30	27°21'51
retrograde	-11988 Apr 29 j 15:29	3° \mathbb{X} 14'52		desc. node	-11987 Apr 06 j 17:56	14° \approx 29'37	
evening set	-11988 May 06 j 14:02	0° \mathbb{X} 36'23		retrograde	-11987 Apr 12 j 06:53	15° \approx 50'45	
	-11988 May 07 j 08:16	30° \mathbb{R} \approx		evening set	-11987 Apr 19 j 02:26	13° \approx 34'05	
min. Earth dist.	-11988 May 10 j 06:16	27° \approx 13'38	0.63764 AU	min. Earth dist.	-11987 Apr 22 j 19:53	10° \approx 34'13	0.61987 AU
inferior conj	-11988 May 12 j 18:34	24° \approx 31'46	-3°25'33	inferior conj	-11987 Apr 25 j 20:53	7° \approx 39'59	-3°23'50
minimum elong	-11988 May 12 j 19:20	24° \approx 29'42	3°25'56	minimum elong	-11987 Apr 25 j 20:02	7° \approx 42'02	3°24'22
morning rise	-11988 May 19 j 01:29	19° \approx 10'29		morning rise	-11987 May 02 j 15:15	2° \approx 37'16	
direct	-11988 May 21 j 21:29	18° \approx 29'28		direct	-11987 May 05 j 06:35	2° \approx 05'47	
morning max el	-11988 May 28 j 09:07	21° \approx 54'35	18°08'51	morning max el	-11987 May 11 j 23:02	5° \approx 28'41	18°02'27
asc. node	-11988 May 29 j 19:36	23° \approx 27'31		asc. node	-11987 May 16 j 16:24	11° \approx 17'45	
	-11988 Jun 03 j 15:06	0° \mathbb{X}			-11987 May 27 j 18:10	0° \mathbb{X}	
morning set	-11988 Jun 15 j 04:32	19° \mathbb{X} 15'34		morning set	-11987 May 28 j 12:06	1° \mathbb{X} 20'24	
	-11988 Jun 21 j 12:07	0° \mathbb{Y}					
				superior conj	-11987 Jun 08 j 20:19	21° \mathbb{X} 18'55	1°47'35
superior conj	-11988 Jun 28 j 06:21	11° \mathbb{Y} 12'29	1°33'02	minimum elong	-11987 Jun 08 j 22:06	21° \mathbb{X} 26'32	1°47'24
minimum elong	-11988 Jun 28 j 11:49	11° \mathbb{Y} 34'47	1°32'46		-11987 Jun 14 j 00:11	0° \mathbb{Y}	
max. Earth dist.	-11988 Jul 03 j 06:57	19° \mathbb{Y} 20'17	1.43854 AU	max. Earth dist.	-11987 Jun 15 j 17:01	2° \mathbb{Y} 48'13	1.42600 AU
	-11988 Jul 10 j 00:21	0° \mathbb{B}		evening rise	-11987 Jun 23 j 14:26	15° \mathbb{Y} 28'24	
evening rise	-11988 Jul 14 j 13:41	7° \mathbb{B} 06'47			-11987 Jul 03 j 00:54	0° \mathbb{B}	
desc. node	-11988 Jul 16 j 17:29	10° \mathbb{B} 27'28		desc. node	-11987 Jul 03 j 14:57	0° \mathbb{B} 52'52	
	-11988 Jul 29 j 14:57	0° \mathbb{I}		evening max el	-11987 Jul 24 j 09:34	28° \mathbb{B} 55'38	21°23'14
evening max el	-11988 Aug 10 j 11:26	15° \mathbb{I} 31'02	20°13'44		-11987 Jul 25 j 11:52	0° \mathbb{I}	
retrograde	-11988 Aug 18 j 04:56	20° \mathbb{I} 00'57		retrograde	-11987 Aug 02 j 01:09	4° \mathbb{I} 01'31	
evening set	-11988 Aug 21 j 21:12	18° \mathbb{I} 42'48		evening set	-11987 Aug 06 j 05:42	2° \mathbb{I} 23'36	
asc. node	-11988 Aug 25 j 20:31	14° \mathbb{I} 37'47			-11987 Aug 08 j 15:40	30° \mathbb{R} \mathbb{B}	
inferior conj	-11988 Aug 27 j 08:17	12° \mathbb{I} 40'37	0°28'09	inferior conj	-11987 Aug 11 j 12:52	26° \mathbb{B} 14'32	-0°22'23
minimum elong	-11988 Aug 27 j 07:38	12° \mathbb{I} 42'46	0°28'34	minimum elong	-11987 Aug 11 j 13:20	26° \mathbb{B} 12'56	0°21'38
min. Earth dist.	-11988 Aug 28 j 04:49	11° \mathbb{I} 32'07	0.66539 AU	min. Earth dist.	-11987 Aug 11 j 22:47	25° \mathbb{B} 40'28	0.67038 AU
morning rise	-11988 Sep 01 j 17:50	6° \mathbb{I} 20'00		asc. node	-11987 Aug 12 j 17:27	24° \mathbb{B} 36'55	
direct	-11988 Sep 07 j 07:34	3° \mathbb{I} 57'41		morning rise	-11987 Aug 16 j 20:48	19° \mathbb{B} 53'41	
morning max el	-11988 Sep 18 j 23:03	10° \mathbb{I} 53'34	24°55'58	direct	-11987 Aug 21 j 20:25	17° \mathbb{B} 48'38	
	-11988 Oct 04 j 06:20	0° \mathbb{E}		morning max el	-11987 Sep 01 j 09:15	24° \mathbb{B} 08'52	23°33'25
desc. node	-11988 Oct 12 j 15:55	12° \mathbb{E} 30'55			-11987 Sep 06 j 13:42	0° \mathbb{I}	
	-11988 Oct 23 j 07:05	0° \mathbb{O}			-11987 Sep 27 j 17:31	0° \mathbb{E}	
morning set	-11988 Oct 24 j 20:20	2° \mathbb{O} 42'58		desc. node	-11987 Sep 29 j 12:49	2° \mathbb{E} 50'30	
max. Earth dist.	-11988 Oct 28 j 17:58	9° \mathbb{O} 44'33	1.37517 AU	morning set	-11987 Oct 06 j 04:18	13° \mathbb{E} 40'33	
				max. Earth dist.	-11987 Oct 10 j 16:21	21° \mathbb{E} 22'15	1.39485 AU
superior conj	-11988 Nov 04 j 03:38	21° \mathbb{O} 53'07	-1°38'05		-11987 Oct 15 j 12:35	0° \mathbb{O}	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-11987 Oct 18 j 02:46	4°Ω46'05	-1°32'26	evening rise	-11986 Oct 10 j 16:37	5°Ω35'58	
minimum elong	-11987 Oct 18 j 00:38	4°Ω36'09	1°31'44		-11986 Oct 25 j 12:45	0°൬	
evening rise	-11987 Oct 27 j 06:43	22°Ω16'27		asc. node	-11986 Oct 26 j 13:44	1°൬08'15	
	-11987 Oct 31 j 07:53	0°൬		evening max el	-11986 Oct 26 j 22:06	1°൬29'23	18°12'31
asc. node	-11987 Nov 08 j 16:28	13°൬56'04		retrograde	-11986 Nov 03 j 00:58	5°൬06'07	
evening max el	-11987 Nov 12 j 14:22	18°൬32'39	18°37'13	evening set	-11986 Nov 05 j 12:48	4°൬40'19	
retrograde	-11987 Nov 20 j 12:14	22°൬24'17			-11986 Nov 12 j 11:04	30°ᠠᠵ	
evening set	-11987 Nov 22 j 23:43	22°൬02'55		inferior conj	-11986 Nov 12 j 16:34	29°Ω47'48	4°00'38
inferior conj	-11987 Nov 30 j 16:01	17°൬32'22	4°16'59	minimum elong	-11986 Nov 12 j 13:32	29°Ω54'32	4°00'36
minimum elong	-11987 Nov 30 j 15:25	17°൬33'30	4°17'09	min. Earth dist.	-11986 Nov 15 j 18:34	27°Ω04'51	0.60559 AU
min. Earth dist.	-11987 Dec 03 j 20:42	15°൬05'47	0.58707 AU	morning rise	-11986 Nov 19 j 12:53	24°Ω16'33	
morning rise	-11987 Dec 08 j 05:16	12°൬20'38		direct	-11986 Nov 26 j 09:40	22°Ω07'19	
direct	-11987 Dec 14 j 09:31	10°൬45'54		morning max el	-11986 Dec 10 j 08:45	29°Ω30'47	27°09'33
desc. node	-11987 Dec 26 j 14:11	16°൬21'33			-11986 Dec 10 j 20:47	0°൬	
morning max el	-11987 Dec 28 j 10:33	18°൬02'15	26°11'51	desc. node	-11986 Dec 13 j 10:49	2°൬42'03	
	-11986 Jan 07 j 11:10	0°ᠠ			-11985 Jan 01 j 05:16	0°ᠠ	
	-11986 Jan 24 j 16:22	0°᠓		morning set	-11985 Jan 10 j 14:14	18°ᠠ05'00	
morning set	-11986 Jan 26 j 05:14	3°᠓11'04			-11985 Jan 16 j 04:25	0°᠓	
				max. Earth dist.	-11985 Jan 17 j 03:09	2°᠓03'49	1.32811 AU
superior conj	-11986 Feb 02 j 04:35	18°᠓12'46	-0°22'33				
minimum elong	-11986 Feb 02 j 05:30	18°᠓17'46	0°22'52	superior conj	-11985 Jan 17 j 16:26	3°᠓16'15	-0°43'51
max. Earth dist.	-11986 Feb 02 j 13:47	19°᠓02'58	1.32840 AU	minimum elong	-11985 Jan 17 j 18:02	3°᠓25'03	0°43'55
asc. node	-11986 Feb 04 j 13:57	23°᠓24'58		asc. node	-11985 Jan 22 j 11:14	13°᠓39'49	
	-11986 Feb 07 j 15:43	0°ᠠ		evening rise	-11985 Jan 24 j 17:18	18°᠓26'25	
evening rise	-11986 Feb 09 j 08:01	3°ᠠ30'45			-11985 Jan 30 j 11:51	0°ᠠ	
	-11986 Feb 23 j 18:06	0°ᠢ			-11985 Feb 19 j 15:21	0°ᠢ	
evening max el	-11986 Mar 11 j 11:33	20°ᠢ20'19	26°46'33	evening max el	-11985 Feb 21 j 09:38	1°ᠢ45'39	25°41'24
desc. node	-11986 Mar 24 j 15:03	27°ᠢ43'31		retrograde	-11985 Mar 07 j 11:26	8°ᠢ57'53	
retrograde	-11986 Mar 25 j 14:12	27°ᠢ45'56		desc. node	-11985 Mar 11 j 12:04	8°ᠢ18'47	
evening set	-11986 Mar 31 j 21:17	26°ᠢ01'25		evening set	-11985 Mar 12 j 21:10	7°ᠢ47'56	
min. Earth dist.	-11986 Apr 05 j 00:57	23°ᠢ10'45	0.60019 AU	min. Earth dist.	-11985 Mar 17 j 22:59	4°ᠢ52'42	0.58093 AU
inferior conj	-11986 Apr 08 j 08:47	20°ᠢ24'31	-3°01'47	inferior conj	-11985 Mar 21 j 02:45	2°ᠢ36'26	-2°13'15
minimum elong	-11986 Apr 08 j 06:08	20°ᠢ30'05	3°02'04	minimum elong	-11985 Mar 20 j 23:11	2°ᠢ42'55	2°13'06
morning rise	-11986 Apr 15 j 17:30	15°ᠢ41'28			-11985 Mar 24 j 23:59	30°ᠠᠵᠠ	
direct	-11986 Apr 18 j 04:34	15°ᠢ18'02		morning rise	-11985 Mar 29 j 04:21	28°ᠠᠵ12'51	
morning max el	-11986 Apr 25 j 10:57	18°ᠢ50'57	18°14'55	direct	-11985 Mar 31 j 11:15	27°ᠠᠵ55'56	
asc. node	-11986 May 03 j 13:13	29°ᠢ52'04			-11985 Apr 06 j 11:08	0°ᠢ	
	-11986 May 03 j 15:07	0°ᠠ		morning max el	-11985 Apr 08 j 18:01	1°ᠢ52'49	18°46'52
morning set	-11986 May 11 j 13:15	14°ᠠ18'45		asc. node	-11985 Apr 20 j 10:05	19°ᠢ00'11	
	-11986 May 20 j 00:14	0°ᠠ		morning set	-11985 Apr 25 j 03:32	27°ᠢ59'33	
					-11985 Apr 26 j 04:18	0°ᠠ	
superior conj	-11986 May 21 j 12:25	2°ᠠ43'29	1°47'48				
minimum elong	-11986 May 21 j 11:07	2°ᠠ37'38	1°47'26	superior conj	-11985 May 04 j 02:00	15°ᠠ14'22	1°37'42
max. Earth dist.	-11986 May 28 j 21:37	15°ᠠ37'47	1.40922 AU	minimum elong	-11985 May 03 j 23:12	15°ᠠ01'09	1°37'00
evening rise	-11986 Jun 03 j 07:14	24°ᠠ37'07		max. Earth dist.	-11985 May 10 j 22:25	27°ᠠ47'51	1.39053 AU
	-11986 Jun 06 j 15:22	0°ᠠ			-11985 May 12 j 04:20	0°ᠠ	
desc. node	-11986 Jun 20 j 12:26	21°ᠠ04'28		evening rise	-11985 May 15 j 02:58	5°ᠠ06'02	
	-11986 Jun 26 j 21:34	0°ᠠ			-11985 May 30 j 17:54	0°ᠠ	
evening max el	-11986 Jul 07 j 01:07	12°ᠠ16'53	22°42'12	desc. node	-11985 Jun 07 j 09:55	10°ᠠ55'51	
retrograde	-11986 Jul 16 j 19:17	18°ᠠ04'08		evening max el	-11985 Jun 19 j 12:07	25°ᠠ36'33	24°04'36
evening set	-11986 Jul 21 j 13:47	16°ᠠ04'50			-11985 Jun 24 j 16:11	0°ᠠ	
inferior conj	-11986 Jul 26 j 19:04	9°ᠠ51'26	-1°09'45	retrograde	-11985 Jun 30 j 10:14	2°ᠠ04'49	
minimum elong	-11986 Jul 26 j 20:26	9°ᠠ46'41	1°08'50	evening set	-11985 Jul 05 j 19:31	29°ᠠ44'50	
min. Earth dist.	-11986 Jul 26 j 18:25	9°ᠠ53'40	0.67240 AU		-11985 Jul 05 j 12:26	30°ᠠᠠ	
asc. node	-11986 Jul 30 j 14:17	5°ᠠ00'48		min. Earth dist.	-11985 Jul 10 j 13:18	24°ᠠᠠ09'23	0.67131 AU
morning rise	-11986 Aug 01 j 02:59	3°ᠠ34'14		inferior conj	-11985 Jul 11 j 01:05	23°ᠠᠠ29'15	-1°52'40
direct	-11986 Aug 05 j 13:26	1°ᠠ47'33		minimum elong	-11985 Jul 11 j 03:06	23°ᠠᠠ22'22	1°51'46
morning max el	-11986 Aug 14 j 22:22	7°ᠠ25'28	22°10'05	morning rise	-11985 Jul 16 j 10:39	17°ᠠᠠ19'09	
	-11986 Sep 01 j 03:59	0°ᠠ		asc. node	-11985 Jul 17 j 11:05	16°ᠠᠠ38'54	
morning set	-11986 Sep 16 j 09:55	23°ᠠᠠ21'48		direct	-11985 Jul 20 j 09:27	15°ᠠᠠ50'12	
desc. node	-11986 Sep 16 j 09:50	23°ᠠᠠ21'30		morning max el	-11985 Jul 28 j 16:54	20°ᠠᠠ46'16	20°52'49
	-11986 Sep 20 j 12:01	0°ᠠ			-11985 Aug 05 j 05:31	0°ᠠ	
max. Earth dist.	-11986 Sep 22 j 18:04	3°ᠠ44'06	1.41421 AU		-11985 Aug 25 j 10:21	0°ᠠ	
				morning set	-11985 Aug 26 j 18:18	2°ᠠᠠ04'16	
superior conj	-11986 Sep 30 j 06:46	16°ᠠ39'42	-1°16'10	desc. node	-11985 Sep 03 j 06:57	13°ᠠᠠ59'03	
minimum elong	-11986 Sep 30 j 02:56	16°ᠠ22'49	1°15'08	max. Earth dist.	-11985 Sep 05 j 02:05	16°ᠠᠠ53'09	1.43045 AU
	-11986 Oct 07 j 15:57	0°ᠠ					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-11985 Sep 11 j 09:45	27° Π 17'54	-0°47'30		superior conj	-11984 Aug 21 j 09:04	6° Π 35'57	-0°07'13	
minimum elong	-11985 Sep 11 j 05:48	27° Π 01'23	0°46'20		minimum elong	-11984 Aug 21 j 08:19	6° Π 32'57	0°06'31	
	-11985 Sep 13 j 00:17	0° Ξ			behind sun begin	-11984 Aug 20 j 22:15	5° Π 52'29		
evening rise	-11985 Sep 23 j 12:07	18° Ξ 11'56			behind sun end	-11984 Aug 21 j 18:24	7° Π 13'29		
	-11985 Sep 30 j 05:47	0° Ω			evening rise	-11984 Sep 04 j 12:00	29° Π 51'39		
evening max el	-11985 Oct 10 j 10:17	14° Ω 43'12	18°07'28			-11984 Sep 04 j 14:00	0° Ξ		
asc. node	-11985 Oct 13 j 10:57	17° Ω 09'45			evening max el	-11984 Sep 22 j 23:58	28° Ξ 07'38	18°21'04	
retrograde	-11985 Oct 17 j 03:15	18° Ω 15'42				-11984 Sep 25 j 02:32	0° Ω		
evening set	-11985 Oct 19 j 17:13	17° Ω 43'40			asc. node	-11984 Sep 29 j 08:07	1° Ω 44'28		
inferior conj	-11985 Oct 26 j 09:24	12° Ω 30'41	3°25'56		retrograde	-11984 Sep 29 j 14:50	1° Ω 44'54		
minimum elong	-11985 Oct 26 j 05:34	12° Ω 40'19	3°25'35		evening set	-11984 Oct 02 j 09:10	1° Ω 04'08		
min. Earth dist.	-11985 Oct 29 j 01:28	9° Ω 50'12	0.62336 AU			-11984 Oct 04 j 02:27	30° \Re Ξ		
morning rise	-11985 Nov 01 j 16:53	6° Ω 42'24			inferior conj	-11984 Oct 08 j 15:04	25° Ξ 33'34	2°40'45	
direct	-11985 Nov 08 j 18:21	4° Ω 09'30			minimum elong	-11984 Oct 08 j 11:36	25° Ξ 43'15	2°40'20	
morning max el	-11985 Nov 22 j 13:23	11° Ω 39'17	27°33'44		min. Earth dist.	-11984 Oct 10 j 18:37	23° Ξ 09'42	0.63892 AU	
desc. node	-11985 Nov 30 j 07:28	20° Ω 24'14			morning rise	-11984 Oct 14 j 13:16	19° Ξ 31'30		
	-11985 Dec 07 j 05:35	0° \P			direct	-11984 Oct 21 j 10:32	16° Ξ 48'06		
	-11985 Dec 24 j 10:11	0° $\underline{\Omega}$			morning max el	-11984 Nov 03 j 22:08	24° Ξ 20'54	27°23'32	
morning set	-11985 Dec 25 j 18:24	2° $\underline{\Omega}$ 42'09				-11984 Nov 09 j 03:23	0° Ω		
max. Earth dist.	-11985 Dec 31 j 13:36	14° $\underline{\Omega}$ 51'44	1.33123 AU		desc. node	-11984 Nov 16 j 04:08	9° Ω 04'38		
						-11984 Nov 29 j 12:38	0° \P		
superior conj	-11984 Jan 02 j 03:11	18° $\underline{\Omega}$ 14'30	-1°02'55		morning set	-11984 Dec 08 j 15:07	16° \P 53'28		
minimum elong	-11984 Jan 02 j 05:11	18° $\underline{\Omega}$ 25'23	1°02'48		max. Earth dist.	-11984 Dec 13 j 17:16	27° \P 14'21	1.33820 AU	
	-11984 Jan 07 j 13:43	0° \P				-11984 Dec 15 j 00:51	0° $\underline{\Omega}$		
evening rise	-11984 Jan 09 j 04:19	3° \P 24'36							
asc. node	-11984 Jan 09 j 08:34	3° \P 46'52			superior conj	-11984 Dec 16 j 11:01	3° $\underline{\Omega}$ 01'01	-1°18'56	
	-11984 Jan 23 j 18:18	0° \P			minimum elong	-11984 Dec 16 j 13:03	3° $\underline{\Omega}$ 11'50	1°18'43	
evening max el	-11984 Feb 03 j 03:21	12° \P 43'30	24°15'22		evening rise	-11984 Dec 23 j 15:26	18° $\underline{\Omega}$ 19'09		
retrograde	-11984 Feb 16 j 21:01	19° \P 32'46			asc. node	-11984 Dec 26 j 05:56	23° $\underline{\Omega}$ 40'55		
evening set	-11984 Feb 21 j 04:46	18° \P 50'57				-11984 Dec 29 j 11:24	0° \P		
desc. node	-11984 Feb 26 j 09:00	16° \P 26'26			evening max el	-11983 Jan 14 j 21:12	23° \P 35'15	22°41'21	
min. Earth dist.	-11984 Feb 27 j 16:38	15° \P 38'47	0.56515 AU		retrograde	-11983 Jan 27 j 18:41	29° \P 47'19		
inferior conj	-11984 Mar 01 j 00:55	14° \P 10'07	-0°54'57		evening set	-11983 Jan 31 j 03:42	29° \P 22'22		
minimum elong	-11984 Feb 29 j 22:49	14° \P 13'26	0°54'58		min. Earth dist.	-11983 Feb 08 j 08:10	25° \P 40'44	0.55595 AU	
morning rise	-11984 Mar 09 j 19:51	10° \P 02'05			inferior conj	-11983 Feb 09 j 06:00	25° \P 09'06	0°46'02	
direct	-11984 Mar 11 j 23:46	9° \P 49'25			minimum elong	-11983 Feb 09 j 07:56	25° \P 06'18	0°44'51	
morning max el	-11984 Mar 21 j 17:18	14° \P 25'14	19°38'39		desc. node	-11983 Feb 12 j 05:52	23° \P 28'14		
	-11984 Apr 01 j 18:22	0° Ξ			morning rise	-11983 Feb 18 j 13:29	21° \P 05'45		
asc. node	-11984 Apr 06 j 07:03	8° Ξ 34'08			direct	-11983 Feb 20 j 20:35	20° \P 53'17		
morning set	-11984 Apr 08 j 03:15	12° Ξ 13'22			morning max el	-11983 Mar 04 j 06:09	26° \P 19'17	20°49'38	
						-11983 Mar 07 j 15:45	0° \P		
superior conj	-11984 Apr 16 j 07:43	28° Ξ 37'17	1°20'56		morning set	-11983 Mar 23 j 09:22	26° \P 50'40		
minimum elong	-11984 Apr 16 j 04:41	28° Ξ 22'23	1°19'58		asc. node	-11983 Mar 24 j 04:05	28° \P 26'37		
	-11984 Apr 17 j 00:33	0° \approx				-11983 Mar 24 j 22:12	0° Ξ		
max. Earth dist.	-11984 Apr 21 j 23:58	9° \approx 32'08	1.37236 AU						
evening rise	-11984 Apr 26 j 00:38	16° \approx 54'53			superior conj	-11983 Mar 31 j 00:58	12° Ξ 38'00	1°00'10	
	-11984 May 03 j 15:03	0° \P			minimum elong	-11983 Mar 30 j 22:29	12° Ξ 25'16	0°59'05	
desc. node	-11984 May 24 j 07:22	0° \P 18'58			max. Earth dist.	-11983 Apr 04 j 08:16	21° Ξ 16'35	1.35668 AU	
	-11984 May 24 j 01:20	0° \P			evening rise	-11983 Apr 08 j 18:38	29° Ξ 47'31		
evening max el	-11984 May 31 j 21:37	8° \P 57'48	25°22'39			-11983 Apr 08 j 21:18	0° \approx		
retrograde	-11984 Jun 12 j 21:18	15° \P 59'53				-11983 Apr 26 j 18:27	0° \P		
evening set	-11984 Jun 18 j 20:57	13° \P 23'05			desc. node	-11983 May 11 j 04:47	19° \P 01'26		
min. Earth dist.	-11984 Jun 23 j 05:16	8° \P 26'01	0.66682 AU		evening max el	-11983 May 14 j 07:47	22° \P 18'43	26°27'50	
inferior conj	-11984 Jun 24 j 05:12	7° \P 07'23	-2°29'43		retrograde	-11983 May 27 j 03:47	29° \P 42'25		
minimum elong	-11984 Jun 24 j 07:31	6° \P 59'47	2°29'04		evening set	-11983 Jun 02 j 15:45	26° \P 56'21		
morning rise	-11984 Jun 29 j 18:06	1° \P 07'23			min. Earth dist.	-11983 Jun 06 j 16:03	22° \P 38'24	0.65856 AU	
	-11984 Jul 02 j 07:27	30° \Re \P			inferior conj	-11983 Jun 08 j 05:24	20° \P 42'46	-2°59'23	
direct	-11984 Jul 03 j 07:09	29° \Re 54'26			minimum elong	-11983 Jun 08 j 07:33	20° \P 36'05	2°59'07	
asc. node	-11984 Jul 03 j 07:52	29° \Re 54'26			morning rise	-11983 Jun 13 j 23:32	14° \Re 55'41		
	-11984 Jul 04 j 07:14	0° \P			direct	-11983 Jun 17 j 04:44	13° \Re 56'35		
morning max el	-11984 Jul 10 j 18:00	4° \P 14'05	19°46'47		asc. node	-11983 Jun 20 j 04:39	14° \Re 45'02		
	-11984 Jul 29 j 02:27	0° \Re			morning max el	-11983 Jun 24 j 01:04	17° \Re 47'41	18°55'25	
morning set	-11984 Aug 04 j 22:03	10° \Re 35'47				-11983 Jul 03 j 04:37	0° \P		
	-11984 Aug 17 j 06:03	0° Π			morning set	-11983 Jul 15 j 16:21	19° \P 47'55		
max. Earth dist.	-11984 Aug 17 j 15:11	0° Π 36'22	1.44143 AU			-11983 Jul 22 j 01:40	0° \Re		
desc. node	-11984 Aug 20 j 04:09	4° Π 39'51							
					superior conj	-11983 Jul 31 j 12:11	14° \Re 57'38	0°38'09	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-11983 Jul 31 j 16:40	15° 8 15'26	0°38'06	superior conj	-11982 Jul 10 j 14:59	23° 9 19'56	1°17'09
max. Earth dist.	-11983 Jul 31 j 07:08	14° 8 37'43	1.44580 AU	minimum elong	-11982 Jul 10 j 21:34	23° 9 46'18	1°16'48
desc. node	-11983 Aug 07 j 01:28	25° 8 20'47		max. Earth dist.	-11982 Jul 13 j 23:28	28° 9 41'13	1.44316 AU
	-11983 Aug 09 j 23:38	0° II			-11982 Jul 14 j 19:18	0° 8	
evening rise	-11983 Aug 16 j 10:41	10° II 20'53		desc. node	-11982 Jul 24 j 22:51	15° 8 58'31	
	-11983 Aug 28 j 19:08	0° 8		evening rise	-11982 Jul 27 j 06:11	19° 8 34'46	
evening max el	-11983 Sep 06 j 12:20	11° 8 37'29	18°52'15		-11982 Aug 02 j 22:58	0° II	
retrograde	-11983 Sep 13 j 08:04	15° 8 27'53		greatest brilliancy	-11982 Aug 07 j 13:52	7° II 05'48	-0.7m
evening set	-11983 Sep 16 j 09:10	14° 8 35'14		evening max el	-11982 Aug 20 j 20:40	25° II 07'40	19°39'44
asc. node	-11983 Sep 16 j 05:12	14° 8 40'45		retrograde	-11982 Aug 28 j 04:08	29° II 20'06	
inferior conj	-11983 Sep 22 j 06:22	8° 8 50'11	1°50'20	evening set	-11982 Aug 31 j 14:19	28° II 12'06	
minimum elong	-11983 Sep 22 j 03:51	8° 8 57'49	1°50'09	asc. node	-11982 Sep 03 j 02:14	26° II 00'53	
min. Earth dist.	-11983 Sep 23 j 21:15	6° 8 51'57	0.65158 AU	inferior conj	-11982 Sep 06 j 04:33	22° II 15'25	0°58'06
morning rise	-11983 Sep 27 j 22:01	2° 8 38'02		minimum elong	-11982 Sep 06 j 03:13	22° II 19'44	0°58'17
	-11983 Oct 03 j 09:04	30° 8 II		min. Earth dist.	-11982 Sep 07 j 07:30	20° II 48'03	0.66124 AU
direct	-11983 Oct 04 j 09:19	29° II 56'18		morning rise	-11982 Sep 11 j 15:49	15° II 57'01	
	-11983 Oct 05 j 10:02	0° 8		direct	-11982 Sep 17 j 13:53	13° II 25'58	
morning max el	-11983 Oct 17 j 08:22	7° 8 23'49	26°43'11	morning max el	-11982 Sep 29 j 18:20	20° II 36'21	25°39'41
desc. node	-11983 Nov 03 j 00:52	28° 8 26'25			-11982 Oct 07 j 22:28	0° 8	
	-11983 Nov 04 j 02:02	0° 8		desc. node	-11982 Oct 20 j 21:38	18° 8 16'50	
	-11983 Nov 21 j 19:03	0° 8			-11982 Oct 28 j 05:31	0° 8	
morning set	-11983 Nov 22 j 01:01	0° 8 28'18		morning set	-11982 Nov 04 j 19:36	13° 8 12'20	
max. Earth dist.	-11983 Nov 26 j 11:08	9° 8 05'52	1.34939 AU	max. Earth dist.	-11982 Nov 08 j 18:20	20° 8 32'06	1.36482 AU
					-11982 Nov 13 j 15:10	0° 8	
superior conj	-11983 Nov 30 j 13:51	17° 8 28'54	-1°30'53				
minimum elong	-11983 Nov 30 j 15:26	17° 8 37'03	1°30'37	superior conj	-11982 Nov 14 j 08:51	1° 8 28'12	-1°37'26
	-11983 Dec 06 j 13:26	0° 8		minimum elong	-11982 Nov 14 j 09:24	1° 8 30'55	1°37'05
evening rise	-11983 Dec 08 j 00:57	3° 8 04'38		evening rise	-11982 Nov 22 j 06:59	17° 8 34'09	
asc. node	-11983 Dec 13 j 03:19	13° 8 16'10			-11982 Nov 28 j 16:19	0° 8	
	-11983 Dec 23 j 13:09	0° 8		asc. node	-11982 Nov 30 j 00:41	2° 8 24'30	
evening max el	-11983 Dec 27 j 20:44	4° 8 44'46	21°12'10	evening max el	-11982 Dec 10 j 05:28	16° 8 24'19	19°56'54
retrograde	-11982 Jan 08 j 09:07	10° 8 09'44		retrograde	-11982 Dec 20 j 03:55	21° 8 04'36	
evening set	-11982 Jan 11 j 04:56	9° 8 51'22		evening set	-11982 Dec 22 j 18:15	20° 8 46'54	
inferior conj	-11982 Jan 20 j 03:31	5° 8 52'05	2°26'43	inferior conj	-11982 Dec 31 j 06:29	16° 8 43'40	3°40'07
minimum elong	-11982 Jan 20 j 08:58	5° 8 44'15	2°24'50	minimum elong	-11982 Dec 31 j 11:28	16° 8 35'55	3°39'06
min. Earth dist.	-11982 Jan 20 j 22:21	5° 8 25'01	0.55528 AU	min. Earth dist.	-11981 Jan 02 j 11:29	15° 8 21'33	0.56299 AU
morning rise	-11982 Jan 29 j 12:06	1° 8 38'21		morning rise	-11981 Jan 09 j 02:46	12° 8 08'40	
desc. node	-11982 Jan 30 j 02:40	1° 8 31'13		direct	-11981 Jan 13 j 07:58	11° 8 29'09	
direct	-11982 Feb 01 j 11:49	1° 8 18'34		desc. node	-11981 Jan 16 j 23:23	11° 8 59'29	
morning max el	-11982 Feb 14 j 07:41	7° 8 33'35	22°16'56	morning max el	-11981 Jan 27 j 00:34	18° 8 19'03	23°53'26
	-11982 Mar 01 j 21:52	0° 8			-11981 Feb 05 j 13:56	0° 8	
morning set	-11982 Mar 07 j 19:33	11° 8 44'24		morning set	-11981 Feb 20 j 07:45	26° 8 47'13	
asc. node	-11982 Mar 11 j 01:11	18° 8 32'27			-11981 Feb 21 j 20:16	0° 8	
				asc. node	-11981 Feb 25 j 22:21	8° 8 46'31	
superior conj	-11982 Mar 15 j 02:20	27° 8 06'28	0°37'19				
minimum elong	-11982 Mar 15 j 00:45	26° 8 58'08	0°36'19	superior conj	-11981 Feb 27 j 09:10	11° 8 53'47	0°13'44
	-11982 Mar 16 j 11:29	0° 8		minimum elong	-11981 Feb 27 j 08:36	11° 8 50'47	0°12'58
max. Earth dist.	-11982 Mar 18 j 02:57	3° 8 24'20	1.34442 AU	behind sun begin	-11981 Feb 27 j 05:38	11° 8 34'53	
evening rise	-11982 Mar 23 j 03:31	13° 8 28'01		behind sun end	-11981 Feb 27 j 11:34	12° 8 06'40	
	-11982 Apr 01 j 04:08	0° 8		max. Earth dist.	-11981 Mar 01 j 07:06	15° 8 59'16	1.33560 AU
	-11982 Apr 21 j 16:07	0° 8		evening rise	-11981 Mar 06 j 22:56	27° 8 42'15	
evening max el	-11982 Apr 26 j 18:47	5° 8 32'16	27°11'40		-11981 Mar 08 j 02:38	0° 8	
desc. node	-11982 Apr 28 j 02:09	6° 8 46'41			-11981 Mar 25 j 10:45	0° 8	
retrograde	-11982 May 10 j 04:53	13° 8 05'18		evening max el	-11981 Apr 09 j 04:44	18° 8 26'23	27°27'20
evening set	-11982 May 17 j 01:14	10° 8 20'41		desc. node	-11981 Apr 14 j 23:26	23° 8 11'28	
min. Earth dist.	-11982 May 20 j 19:35	6° 8 39'23	0.64637 AU	retrograde	-11981 Apr 22 j 23:50	26° 8 00'31	
inferior conj	-11982 May 22 j 23:22	4° 8 11'56	-3°19'30	evening set	-11981 Apr 29 j 22:16	23° 8 30'01	
minimum elong	-11982 May 23 j 00:49	4° 8 07'48	3°19'40	min. Earth dist.	-11981 May 03 j 14:18	20° 8 18'27	0.63045 AU
	-11982 May 27 j 01:55	30° 8		inferior conj	-11981 May 06 j 08:19	17° 8 29'31	-3°26'58
morning rise	-11982 May 29 j 00:53	28° 8 40'18		minimum elong	-11981 May 06 j 08:27	17° 8 29'10	3°27'27
direct	-11982 May 31 j 23:54	27° 8 53'04		morning rise	-11981 May 12 j 19:44	12° 8 15'46	
	-11982 Jun 05 j 23:21	0° 8		direct	-11981 May 15 j 13:47	11° 8 38'48	
asc. node	-11982 Jun 07 j 01:25	0° 8 57'34		morning max el	-11981 May 22 j 02:15	15° 8 01'21	18°03'52
morning max el	-11982 Jun 07 j 12:32	1° 8 24'47	18°20'44	asc. node	-11981 May 24 j 22:12	18° 8 16'11	
morning set	-11982 Jun 26 j 11:05	0° 8 07'50			-11981 Jun 01 j 13:34	0° 8	
	-11982 Jun 26 j 09:12	0° 8		morning set	-11981 Jun 08 j 06:20	11° 8 36'55	
					-11981 Jun 18 j 23:05	0° 8	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-11981 Jun 20 j 13:28	2° Υ 40'19	1°41'12	morning rise	-11980 Apr 25 j 05:03	25° \mathfrak{Z} 33'55	
minimum elong	-11981 Jun 20 j 17:28	2° Υ 56'56	1°40'59	direct	-11980 Apr 27 j 18:39	25° \mathfrak{Z} 05'57	
max. Earth dist.	-11981 Jun 26 j 13:03	12° Υ 28'49	1.43386 AU	morning max el	-11980 May 04 j 15:40	28° \mathfrak{Z} 31'08	18°05'29
evening rise	-11981 Jul 06 j 07:48	27° Υ 58'49			-11980 May 06 j 01:28	0° \approx	
	-11981 Jul 07 j 15:01	0° \mathfrak{B}		asc. node	-11980 May 10 j 19:01	6° \approx 26'10	
desc. node	-11981 Jul 11 j 20:17	6° \mathfrak{B} 29'40		morning set	-11980 May 20 j 21:54	24° \approx 05'20	
	-11981 Jul 27 j 21:12	0° Π			-11980 May 24 j 03:35	0° \mathfrak{H}	
evening max el	-11981 Aug 03 j 22:51	8° Π 34'43	20°41'51				
retrograde	-11981 Aug 12 j 00:50	13° Π 18'37		superior conj	-11980 May 31 j 14:56	13° \mathfrak{H} 20'39	1°49'13
evening set	-11981 Aug 15 j 22:12	11° Π 52'08		minimum elong	-11980 May 31 j 15:13	13° \mathfrak{H} 21'55	1°48'59
asc. node	-11981 Aug 20 j 23:10	6° Π 14'21		max. Earth dist.	-11980 Jun 07 j 21:04	25° \mathfrak{H} 42'12	1.41919 AU
inferior conj	-11981 Aug 21 j 07:22	5° Π 46'41	0°06'27		-11980 Jun 10 j 11:38	0° Υ	
minimum elong	-11981 Aug 21 j 07:12	5° Π 47'13	0°07'00	evening rise	-11980 Jun 14 j 12:57	6° Υ 32'40	
transit middle	-11981 Aug 21 j 07:12	5° Π 47'13	0°07'00	desc. node	-11980 Jun 27 j 17:46	26° Υ 49'40	
transit begin	-11981 Aug 21 j 04:44	5° Π 55'35			-11980 Jun 29 j 21:37	0° \mathfrak{B}	
transit end	-11981 Aug 21 j 09:40	5° Π 38'51		evening max el	-11980 Jul 16 j 17:54	21° \mathfrak{B} 56'41	21°55'56
min. Earth dist.	-11981 Aug 21 j 23:16	4° Π 52'53	0.66789 AU	retrograde	-11980 Jul 25 j 20:23	27° \mathfrak{B} 20'07	
	-11981 Aug 26 j 01:00	30° \mathfrak{K} \mathfrak{B}		evening set	-11980 Jul 30 j 06:45	25° \mathfrak{B} 32'58	
morning rise	-11981 Aug 26 j 16:02	29° \mathfrak{B} 25'46		inferior conj	-11980 Aug 04 j 12:49	19° \mathfrak{B} 21'31	-0°42'56
direct	-11981 Aug 31 j 23:43	27° \mathfrak{B} 10'43		minimum elong	-11980 Aug 04 j 13:42	19° \mathfrak{B} 18'29	0°42'06
	-11981 Sep 07 j 19:41	0° Π		min. Earth dist.	-11980 Aug 04 j 18:11	19° \mathfrak{B} 03'00	0.67156 AU
morning max el	-11981 Sep 12 j 04:08	3° Π 51'55	24°21'35	asc. node	-11980 Aug 06 j 20:03	16° \mathfrak{B} 15'53	
	-11981 Oct 02 j 05:50	0° \mathfrak{D}		morning rise	-11980 Aug 09 j 20:33	13° \mathfrak{B} 01'50	
desc. node	-11981 Oct 07 j 18:29	8° \mathfrak{D} 27'43		direct	-11980 Aug 14 j 14:17	11° \mathfrak{B} 04'51	
morning set	-11981 Oct 17 j 17:41	24° \mathfrak{D} 52'11		morning max el	-11980 Aug 24 j 15:24	17° \mathfrak{B} 07'44	22°57'42
	-11981 Oct 20 j 15:59	0° Ω			-11980 Sep 04 j 04:32	0° Π	
max. Earth dist.	-11981 Oct 21 j 18:32	1° Ω 58'33	1.38349 AU	desc. node	-11980 Sep 23 j 15:26	28° Π 52'34	
					-11980 Sep 24 j 08:19	0° \mathfrak{D}	
superior conj	-11981 Oct 28 j 16:31	14° Ω 48'46	-1°36'51	morning set	-11980 Sep 27 j 14:30	5° \mathfrak{D} 17'00	
minimum elong	-11981 Oct 28 j 15:28	14° Ω 43'44	1°36'18	max. Earth dist.	-11980 Oct 02 j 17:52	13° \mathfrak{D} 53'38	1.40327 AU
	-11981 Nov 05 j 10:46	0° \mathfrak{N}					
evening rise	-11981 Nov 06 j 07:27	1° \mathfrak{N} 42'02		superior conj	-11980 Oct 10 j 08:10	27° \mathfrak{D} 17'51	-1°26'58
asc. node	-11981 Nov 16 j 22:00	20° \mathfrak{N} 56'53		minimum elong	-11980 Oct 10 j 05:14	27° \mathfrak{D} 04'30	1°26'07
evening max el	-11981 Nov 23 j 00:19	28° \mathfrak{N} 37'14	19°00'23		-11980 Oct 11 j 19:37	0° Ω	
	-11981 Nov 24 j 14:19	0° \mathfrak{L}		evening rise	-11980 Oct 19 j 23:38	15° Ω 21'26	
retrograde	-11981 Dec 01 j 13:34	2° \mathfrak{L} 43'24			-11980 Oct 27 j 23:21	0° \mathfrak{N}	
evening set	-11981 Dec 04 j 01:31	2° \mathfrak{L} 23'51		asc. node	-11980 Nov 02 j 19:16	8° \mathfrak{N} 42'16	
	-11981 Dec 09 j 05:13	30° \mathfrak{K} \mathfrak{N}		evening max el	-11980 Nov 05 j 04:04	11° \mathfrak{N} 20'05	18°24'13
inferior conj	-11981 Dec 12 j 01:08	28° \mathfrak{N} 04'37	4°14'01	retrograde	-11980 Nov 12 j 16:55	15° \mathfrak{N} 04'21	
minimum elong	-11981 Dec 12 j 02:38	28° \mathfrak{N} 01'57	4°14'00	evening set	-11980 Nov 15 j 04:12	14° \mathfrak{N} 41'25	
min. Earth dist.	-11981 Dec 15 j 01:32	25° \mathfrak{N} 56'59	0.57714 AU	inferior conj	-11980 Nov 22 j 15:05	10° \mathfrak{N} 01'33	4°12'57
morning rise	-11981 Dec 20 j 01:45	23° \mathfrak{N} 05'24		minimum elong	-11980 Nov 22 j 13:14	10° \mathfrak{N} 05'19	4°13'05
direct	-11981 Dec 25 j 14:42	21° \mathfrak{N} 52'57		min. Earth dist.	-11980 Nov 25 j 19:51	7° \mathfrak{N} 25'19	0.59484 AU
desc. node	-11980 Jan 03 j 20:02	25° \mathfrak{N} 06'34		morning rise	-11980 Nov 29 j 20:34	4° \mathfrak{N} 40'47	
morning max el	-11980 Jan 08 j 15:21	29° \mathfrak{N} 02'27	25°26'14	direct	-11980 Dec 06 j 09:10	2° \mathfrak{N} 50'30	
	-11980 Jan 09 j 14:48	0° \mathfrak{L}		morning max el	-11980 Dec 20 j 10:09	10° \mathfrak{N} 10'52	26°40'13
	-11980 Jan 29 j 22:16	0° \mathfrak{M}		desc. node	-11980 Dec 20 j 16:40	10° \mathfrak{N} 26'35	
morning set	-11980 Feb 04 j 20:08	11° \mathfrak{M} 52'18			-11979 Jan 04 j 18:09	0° \mathfrak{L}	
				morning set	-11979 Jan 19 j 06:58	26° \mathfrak{L} 53'06	
superior conj	-11980 Feb 11 j 19:20	26° \mathfrak{M} 52'47	-0°09'36		-11979 Jan 20 j 18:30	0° \mathfrak{M}	
minimum elong	-11980 Feb 11 j 19:45	26° \mathfrak{M} 55'04	0°10'04				
behind sun begin	-11980 Feb 11 j 15:51	26° \mathfrak{M} 33'50		superior conj	-11979 Jan 26 j 07:05	11° \mathfrak{M} 57'14	-0°31'49
behind sun end	-11980 Feb 11 j 23:39	27° \mathfrak{M} 16'17		minimum elong	-11979 Jan 26 j 08:20	12° \mathfrak{M} 04'00	0°32'01
max. Earth dist.	-11980 Feb 12 j 17:36	28° \mathfrak{M} 53'48	1.33009 AU	max. Earth dist.	-11979 Jan 26 j 06:55	11° \mathfrak{M} 56'19	1.32782 AU
asc. node	-11980 Feb 12 j 19:33	29° \mathfrak{M} 04'23		asc. node	-11979 Jan 29 j 16:49	19° \mathfrak{M} 22'00	
	-11980 Feb 13 j 05:49	0° \mathfrak{X}		evening rise	-11979 Feb 02 j 09:05	27° \mathfrak{M} 10'51	
evening rise	-11980 Feb 19 j 01:36	12° \mathfrak{X} 19'16			-11979 Feb 03 j 17:53	0° \mathfrak{X}	
	-11980 Feb 28 j 07:35	0° \mathfrak{Z}			-11979 Feb 20 j 23:55	0° \mathfrak{Z}	
	-11980 Mar 20 j 15:08	0° \approx		evening max el	-11979 Mar 03 j 12:17	12° \mathfrak{Z} 35'29	26°22'02
evening max el	-11980 Mar 21 j 11:07	0° \approx 49'13	27°10'43	retrograde	-11979 Mar 17 j 15:24	19° \mathfrak{Z} 57'14	
desc. node	-11980 Mar 31 j 20:37	7° \approx 44'52		desc. node	-11979 Mar 18 j 17:40	19° \mathfrak{Z} 54'11	
retrograde	-11980 Apr 04 j 11:47	8° \approx 19'40		evening set	-11979 Mar 23 j 14:21	18° \mathfrak{Z} 27'23	
evening set	-11980 Apr 11 j 03:29	6° \approx 15'30		min. Earth dist.	-11979 Mar 28 j 01:40	15° \mathfrak{Z} 36'26	0.59175 AU
min. Earth dist.	-11980 Apr 14 j 23:50	3° \approx 21'41	0.61162 AU	inferior conj	-11979 Mar 31 j 09:35	13° \mathfrak{Z} 00'00	-2°44'47
inferior conj	-11980 Apr 18 j 04:54	0° \approx 28'05	-3°17'19	minimum elong	-11979 Mar 31 j 06:21	13° \mathfrak{Z} 06'24	2°44'52
minimum elong	-11980 Apr 18 j 03:16	0° \approx 31'48	3°17'48	morning rise	-11979 Apr 08 j 01:17	8° \mathfrak{Z} 25'45	
	-11980 Apr 18 j 17:21	30° \mathfrak{K} \mathfrak{Z}		direct	-11979 Apr 10 j 10:26	8° \mathfrak{Z} 05'27	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning max el	-11979 Apr 18 j 02:01	11° ♁ 46'44	18°26'08	direct	-11978 Mar 23 j 09:28	20° ♁ 25'16	
asc. node	-11979 Apr 27 j 15:54	25° ♁ 16'20		morning max el	-11978 Apr 01 j 06:10	24° ♁ 37'29	19°06'23
	-11979 Apr 30 j 06:55	0° ♁			-11978 Apr 05 j 20:18	0° ♁	
morning set	-11979 May 04 j 05:10	7° ♁ 22'59		asc. node	-11978 Apr 14 j 12:50	14° ♁ 36'25	
				morning set	-11978 Apr 17 j 23:53	21° ♁ 18'55	
superior conj	-11979 May 13 j 16:56	25° ♁ 15'43	1°44'33		-11978 Apr 22 j 09:25	0° ♁	
minimum elong	-11979 May 13 j 14:48	25° ♁ 05'57	1°44'02				
	-11979 May 16 j 07:31	0° ♁		superior conj	-11978 Apr 26 j 14:00	8° ♁ 10'17	1°31'14
max. Earth dist.	-11979 May 20 j 23:10	8° ♁ 12'18	1.40132 AU	minimum elong	-11978 Apr 26 j 10:59	7° ♁ 55'45	1°30'23
evening rise	-11979 May 25 j 16:45	16° ♁ 13'48		max. Earth dist.	-11978 May 02 j 23:13	20° ♁ 07'04	1.38265 AU
	-11979 Jun 03 j 06:22	0° ♁		evening rise	-11978 May 07 j 00:09	27° ♁ 18'32	
desc. node	-11979 Jun 14 j 15:14	16° ♁ 53'22			-11978 May 08 j 13:27	0° ♁	
	-11979 Jun 24 j 13:30	0° ♁			-11978 May 27 j 17:38	0° ♁	
evening max el	-11979 Jun 29 j 07:01	5° ♁ 16'01	23°17'15	desc. node	-11978 Jun 01 j 12:41	6° ♁ 33'50	
retrograde	-11979 Jul 09 j 13:25	11° ♁ 21'55		evening max el	-11978 Jun 11 j 17:10	18° ♁ 36'42	24°38'56
evening set	-11979 Jul 14 j 14:04	9° ♁ 13'39		retrograde	-11978 Jun 23 j 02:49	25° ♁ 20'35	
inferior conj	-11979 Jul 19 j 19:10	2° ♁ 58'48	-1°28'36	evening set	-11978 Jun 28 j 18:14	22° ♁ 53'06	
minimum elong	-11979 Jul 19 j 20:51	2° ♁ 52'59	1°27'40	min. Earth dist.	-11978 Jul 03 j 07:57	17° ♁ 33'27	0.66981 AU
min. Earth dist.	-11979 Jul 19 j 13:53	3° ♁ 17'00	0.67228 AU	inferior conj	-11978 Jul 04 j 00:39	16° ♁ 37'14	-2°09'13
	-11979 Jul 22 j 00:36	30° ♁		minimum elong	-11978 Jul 04 j 02:50	16° ♁ 29'52	2°08'23
asc. node	-11979 Jul 24 j 16:53	27° ♁ 06'09		morning rise	-11978 Jul 09 j 11:23	10° ♁ 30'48	
morning rise	-11979 Jul 25 j 03:34	26° ♁ 43'59		asc. node	-11978 Jul 11 j 13:43	9° ♁ 24'38	
direct	-11979 Jul 29 j 08:45	25° ♁ 05'04		direct	-11978 Jul 13 j 05:51	9° ♁ 08'44	
	-11979 Aug 06 j 20:34	0° ♁		morning max el	-11978 Jul 21 j 03:47	13° ♁ 48'34	20°23'03
morning max el	-11979 Aug 07 j 06:35	0° ♁ 25'25	21°36'03		-11978 Aug 02 j 11:00	0° ♁	
	-11979 Aug 29 j 00:42	0° ♁		morning set	-11978 Aug 17 j 13:36	22° ♁ 59'21	
morning set	-11979 Sep 07 j 09:43	14° ♁ 28'50			-11978 Aug 22 j 01:10	0° ♁	
desc. node	-11979 Sep 10 j 12:29	19° ♁ 26'32		desc. node	-11978 Aug 28 j 09:38	10° ♁ 05'52	
max. Earth dist.	-11979 Sep 14 j 21:29	26° ♁ 33'18	1.42156 AU	max. Earth dist.	-11978 Aug 28 j 07:40	9° ♁ 58'00	1.43583 AU
	-11979 Sep 16 j 23:22	0° ♁					
superior conj	-11979 Sep 22 j 02:08	8° ♁ 40'30	-1°05'34	superior conj	-11978 Sep 02 j 17:23	18° ♁ 44'41	-0°31'36
minimum elong	-11979 Sep 21 j 21:57	8° ♁ 22'28	1°04'26	minimum elong	-11978 Sep 02 j 14:21	18° ♁ 32'13	0°30'34
evening rise	-11979 Oct 03 j 03:58	28° ♁ 23'24			-11978 Sep 09 j 11:14	0° ♁	
	-11979 Oct 04 j 01:14	0° ♁		evening rise	-11978 Sep 15 j 15:50	10° ♁ 37'02	
evening max el	-11979 Oct 19 j 14:06	24° ♁ 25'09	18°08'07		-11978 Sep 27 j 04:45	0° ♁	
asc. node	-11979 Oct 20 j 16:31	25° ♁ 26'27		evening max el	-11978 Oct 03 j 03:24	7° ♁ 44'56	18°11'08
retrograde	-11979 Oct 26 j 11:48	27° ♁ 58'50		asc. node	-11978 Oct 07 j 13:43	10° ♁ 53'26	
evening set	-11979 Oct 29 j 00:14	27° ♁ 30'44		retrograde	-11978 Oct 09 j 18:25	11° ♁ 18'02	
inferior conj	-11979 Nov 04 j 22:59	22° ♁ 29'37	3°47'38	evening set	-11978 Oct 12 j 10:04	10° ♁ 42'32	
minimum elong	-11979 Nov 04 j 19:26	22° ♁ 37'56	3°47'27	inferior conj	-11978 Oct 18 j 21:42	5° ♁ 21'52	3°07'41
min. Earth dist.	-11979 Nov 07 j 21:30	19° ♁ 45'17	0.61330 AU	minimum elong	-11978 Oct 18 j 17:55	5° ♁ 31'49	3°07'17
morning rise	-11979 Nov 11 j 13:20	16° ♁ 50'45		min. Earth dist.	-11978 Oct 21 j 08:38	2° ♁ 47'06	0.63031 AU
direct	-11979 Nov 18 j 13:31	14° ♁ 29'25			-11978 Oct 24 j 08:23	30° ♁	
morning max el	-11979 Dec 02 j 11:11	21° ♁ 56'31	27°24'05	morning rise	-11978 Oct 25 j 00:53	29° ♁ 27'39	
desc. node	-11979 Dec 07 j 13:18	27° ♁ 25'14		direct	-11978 Nov 01 j 01:40	26° ♁ 48'32	
	-11979 Dec 09 j 15:55	0° ♁			-11978 Nov 09 j 13:52	0° ♁	
	-11979 Dec 28 j 15:56	0° ♁		morning max el	-11978 Nov 14 j 17:40	4° ♁ 19'44	27°33'26
morning set	-11978 Jan 03 j 14:12	11° ♁ 41'05		desc. node	-11978 Nov 24 j 09:59	15° ♁ 34'48	
max. Earth dist.	-11978 Jan 09 j 19:19	24° ♁ 52'35	1.32895 AU		-11978 Dec 04 j 04:58	0° ♁	
				morning set	-11978 Dec 18 j 15:34	26° ♁ 08'24	
superior conj	-11978 Jan 10 j 18:42	26° ♁ 59'42	-0°52'15		-11978 Dec 20 j 13:09	0° ♁	
minimum elong	-11978 Jan 10 j 20:31	27° ♁ 09'37	0°52'14	max. Earth dist.	-11978 Dec 24 j 03:19	7° ♁ 30'59	1.33374 AU
	-11978 Jan 12 j 03:48	0° ♁					
asc. node	-11978 Jan 16 j 14:07	9° ♁ 34'15		superior conj	-11978 Dec 26 j 04:29	11° ♁ 54'04	-1°10'07
evening rise	-11978 Jan 17 j 19:19	12° ♁ 08'33		minimum elong	-11978 Dec 26 j 06:33	12° ♁ 05'12	1°09'58
	-11978 Jan 26 j 23:59	0° ♁		evening rise	-11977 Jan 02 j 06:37	27° ♁ 06'15	
evening max el	-11978 Feb 13 j 08:14	23° ♁ 47'44	25°06'44	asc. node	-11977 Jan 03 j 11:27	29° ♁ 36'28	
	-11978 Feb 22 j 14:39	0° ♁			-11977 Jan 03 j 16:00	0° ♁	
retrograde	-11978 Feb 27 j 08:12	0° ♁ 51'53			-11977 Jan 21 j 16:48	0° ♁	
evening set	-11978 Mar 04 j 06:43	29° ♁ 55'24		evening max el	-11977 Jan 26 j 01:35	4° ♁ 40'44	23°35'33
	-11978 Mar 04 j 01:42	30° ♁		retrograde	-11977 Feb 08 j 12:05	11° ♁ 14'57	
desc. node	-11978 Mar 05 j 14:40	29° ♁ 21'58		evening set	-11977 Feb 12 j 09:21	10° ♁ 41'49	
min. Earth dist.	-11978 Mar 09 j 21:53	26° ♁ 54'03	0.57360 AU	min. Earth dist.	-11977 Feb 19 j 14:28	7° ♁ 18'56	0.56038 AU
inferior conj	-11978 Mar 12 j 19:13	24° ♁ 56'22	-1°43'39	desc. node	-11977 Feb 20 j 11:37	6° ♁ 47'12	
minimum elong	-11978 Mar 12 j 15:54	25° ♁ 02'02	1°43'26	inferior conj	-11977 Feb 21 j 09:27	6° ♁ 14'11	-0°13'54
morning rise	-11978 Mar 21 j 04:20	20° ♁ 39'57		minimum elong	-11977 Feb 21 j 08:51	6° ♁ 15'05	0°14'20
				transit middle	-11977 Feb 21 j 08:51	6° ♁ 15'05	0°14'20

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

transit begin	-11977 Feb 21 j 07:10	6°♂17'38		minimum elong	-11976 Feb 01 j 13:30	16°♂57'39	1°28'51
transit end	-11977 Feb 21 j 10:32	6°♂12'32		min. Earth dist.	-11976 Feb 01 j 04:59	17°♂09'48	0.55463 AU
morning rise	-11977 Mar 02 j 10:39	2°♂09'30		desc. node	-11976 Feb 07 j 08:27	14°♂00'00	
direct	-11977 Mar 04 j 14:58	1°♂57'24		morning rise	-11976 Feb 10 j 19:28	12°♂57'33	
morning max el	-11977 Mar 15 j 01:08	6°♂53'44	20°06'27	direct	-11976 Feb 13 j 07:53	12°♂43'09	
	-11977 Mar 30 j 05:36	0°♂		morning max el	-11976 Feb 25 j 09:03	18°♂30'13	21°25'05
asc. node	-11977 Apr 01 j 09:49	4°♂18'54			-11976 Mar 05 j 10:08	0°♂	
morning set	-11977 Apr 02 j 02:40	5°♂43'43		morning set	-11976 Mar 16 j 10:49	20°♂29'26	
				asc. node	-11976 Mar 18 j 06:52	24°♂17'55	
superior conj	-11977 Apr 10 j 01:05	21°♂50'18	1°12'29		-11976 Mar 21 j 00:15	0°♂	
minimum elong	-11977 Apr 09 j 22:13	21°♂35'57	1°11'26	superior conj	-11976 Mar 23 j 22:11	6°♂04'23	0°50'38
	-11977 Apr 14 j 04:34	0°♂		minimum elong	-11976 Mar 23 j 20:03	5°♂53'21	0°49'35
max. Earth dist.	-11977 Apr 15 j 03:23	1°♂49'42	1.36541 AU	max. Earth dist.	-11976 Mar 27 j 16:15	13°♂43'57	1.35104 AU
evening rise	-11977 Apr 19 j 07:11	9°♂36'30		evening rise	-11976 Apr 01 j 08:08	22°♂51'28	
	-11977 May 01 j 05:38	0°♂			-11976 Apr 05 j 04:16	0°♂	
desc. node	-11977 May 19 j 10:09	25°♂41'16			-11976 Apr 23 j 21:28	0°♂	
	-11977 May 23 j 04:58	0°♂		desc. node	-11976 May 05 j 07:35	14°♂02'11	
evening max el	-11977 May 25 j 03:00	1°♂58'57	25°52'32	evening max el	-11976 May 06 j 13:35	15°♂18'02	26°49'26
retrograde	-11977 Jun 06 j 11:50	9°♂10'53		retrograde	-11976 May 19 j 15:59	22°♂46'44	
evening set	-11977 Jun 12 j 17:08	6°♂29'11		evening set	-11976 May 26 j 08:20	19°♂59'33	
min. Earth dist.	-11977 Jun 16 j 21:56	1°♂48'50	0.66381 AU	min. Earth dist.	-11976 May 30 j 05:42	15°♂58'04	0.65391 AU
inferior conj	-11977 Jun 18 j 03:21	0°♂14'23	-2°43'21	inferior conj	-11976 Jun 01 j 01:12	13°♂47'53	-3°09'15
minimum elong	-11977 Jun 18 j 05:40	0°♂06'59	2°42'50	minimum elong	-11976 Jun 01 j 03:08	13°♂42'06	3°09'10
	-11977 Jun 18 j 07:50	30°♂		morning rise	-11976 Jun 06 j 22:14	8°♂07'20	
morning rise	-11977 Jun 23 j 18:14	24°♂19'33		direct	-11976 Jun 10 j 00:40	7°♂13'31	
direct	-11977 Jun 27 j 03:50	23°♂12'34		asc. node	-11976 Jun 14 j 07:18	8°♂49'29	
asc. node	-11977 Jun 28 j 10:32	23°♂21'39		morning max el	-11976 Jun 16 j 16:46	10°♂54'51	18°38'35
morning max el	-11977 Jul 04 j 07:30	27°♂18'36	19°23'00		-11976 Jun 30 j 01:57	0°♂	
	-11977 Jul 06 j 16:45	0°♂		morning set	-11976 Jul 07 j 01:48	11°♂22'51	
	-11977 Jul 26 j 19:27	0°♂			-11976 Jul 18 j 15:08	0°♂	
morning set	-11977 Jul 27 j 21:35	1°♂42'51		superior conj	-11976 Jul 22 j 06:23	5°♂46'41	0°56'09
max. Earth dist.	-11977 Aug 10 j 22:53	23°♂52'58	1.44417 AU	minimum elong	-11976 Jul 22 j 12:25	6°♂10'36	0°55'54
superior conj	-11977 Aug 13 j 06:18	27°♂33'06	0°12'03	max. Earth dist.	-11976 Jul 23 j 15:45	7°♂58'51	1.44557 AU
minimum elong	-11977 Aug 13 j 07:48	27°♂39'05	0°12'27	desc. node	-11976 Aug 01 j 04:12	21°♂26'43	
behind sun begin	-11977 Aug 13 j 00:26	27°♂09'46			-11976 Aug 06 j 14:00	0°♂	
behind sun end	-11977 Aug 13 j 15:10	28°♂08'25		evening rise	-11976 Aug 07 j 16:32	1°♂45'04	
	-11977 Aug 14 j 19:09	0°♂			-11976 Aug 26 j 04:52	0°♂	
desc. node	-11977 Aug 15 j 06:52	0°♂46'50		evening max el	-11976 Aug 30 j 03:43	4°♂41'40	19°10'27
evening rise	-11977 Aug 28 j 05:34	21°♂48'05		retrograde	-11976 Sep 06 j 03:40	8°♂40'38	
	-11977 Sep 02 j 04:53	0°♂		evening set	-11976 Sep 09 j 08:20	7°♂41'49	
evening max el	-11977 Sep 16 j 16:52	21°♂11'56	18°32'16	asc. node	-11976 Sep 10 j 07:57	7°♂00'33	
retrograde	-11977 Sep 23 j 08:49	24°♂53'33		inferior conj	-11976 Sep 15 j 02:19	1°♂51'09	1°28'14
asc. node	-11977 Sep 24 j 10:53	24°♂47'01		minimum elong	-11976 Sep 15 j 00:18	1°♂57'29	1°28'11
evening set	-11977 Sep 26 j 05:51	24°♂07'59		min. Earth dist.	-11976 Sep 16 j 11:56	0°♂05'45	0.65606 AU
inferior conj	-11977 Oct 02 j 07:48	18°♂30'38	2°19'45		-11976 Sep 16 j 13:47	30°♂	
minimum elong	-11977 Oct 02 j 04:41	18°♂39'40	2°19'25	morning rise	-11976 Sep 20 j 15:51	25°♂35'41	
min. Earth dist.	-11977 Oct 04 j 05:46	16°♂17'12	0.64468 AU	direct	-11976 Sep 26 j 21:35	22°♂57'52	
morning rise	-11977 Oct 08 j 02:56	12°♂24'00			-11976 Oct 09 j 05:40	0°♂	
direct	-11977 Oct 14 j 20:29	9°♂40'20		morning max el	-11976 Oct 09 j 13:45	0°♂19'54	26°18'32
morning max el	-11977 Oct 28 j 03:19	17°♂11'19	27°09'47	desc. node	-11976 Oct 28 j 03:22	24°♂08'40	
	-11977 Nov 07 j 23:51	0°♂			-11976 Oct 31 j 22:33	0°♂	
desc. node	-11977 Nov 11 j 06:39	4°♂34'02		morning set	-11976 Nov 14 j 12:04	23°♂19'29	
	-11977 Nov 26 j 23:14	0°♂			-11976 Nov 18 j 00:12	0°♂	
morning set	-11977 Dec 02 j 08:07	10°♂05'00		max. Earth dist.	-11976 Nov 18 j 16:39	1°♂20'14	1.35544 AU
max. Earth dist.	-11977 Dec 07 j 03:17	19°♂40'59	1.34247 AU	superior conj	-11976 Nov 23 j 10:16	10°♂49'09	-1°34'26
superior conj	-11977 Dec 10 j 10:27	26°♂33'05	-1°24'34	minimum elong	-11976 Nov 23 j 11:29	10°♂55'20	1°34'08
minimum elong	-11977 Dec 10 j 12:21	26°♂43'06	1°24'20	evening rise	-11976 Dec 01 j 01:29	26°♂36'23	
	-11977 Dec 12 j 01:36	0°♂			-11976 Dec 02 j 17:28	0°♂	
evening rise	-11977 Dec 17 j 17:15	11°♂57'29		asc. node	-11976 Dec 07 j 06:11	8°♂47'43	
asc. node	-11977 Dec 21 j 08:49	19°♂23'10		evening max el	-11976 Dec 20 j 00:06	26°♂57'15	20°38'03
	-11977 Dec 27 j 02:57	0°♂			-11976 Dec 23 j 23:09	0°♂	
evening max el	-11976 Jan 07 j 21:09	15°♂37'01	22°02'07	retrograde	-11976 Dec 30 j 20:40	2°♂03'03	
retrograde	-11976 Jan 20 j 05:28	21°♂29'39		evening set	-11975 Jan 02 j 13:17	1°♂45'31	
evening set	-11976 Jan 23 j 07:57	21°♂08'17			-11975 Jan 07 j 07:55	30°♂	
inferior conj	-11976 Feb 01 j 09:45	17°♂03'01	1°30'31				

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

inferior conj	-11975 Jan 11 j 07:56	27° Ω 46'12	3°02'26	inferior conj	-11975 Dec 22 j 16:47	8° Ω 49'21	3°59'22
minimum elong	-11975 Jan 11 j 13:43	27° Ω 37'40	3°00'47	minimum elong	-11975 Dec 22 j 20:27	8° Ω 43'20	3°58'51
min. Earth dist.	-11975 Jan 12 j 18:35	26° Ω 55'07	0.55751 AU	min. Earth dist.	-11975 Dec 25 j 08:12	7° Ω 05'55	0.56828 AU
morning rise	-11975 Jan 20 j 12:42	23° Ω 24'17		morning rise	-11975 Dec 31 j 05:00	4° Ω 03'35	
direct	-11975 Jan 23 j 23:29	22° Ω 58'07		direct	-11974 Jan 05 j 00:08	3° Ω 11'12	
desc. node	-11975 Jan 24 j 05:13	22° Ω 58'14		desc. node	-11974 Jan 11 j 01:53	4° Ω 35'50	
morning max el	-11975 Feb 06 j 06:28	29° Ω 30'18	22°57'38	morning max el	-11974 Jan 18 j 21:40	10° Ω 12'01	24°34'14
	-11975 Feb 06 j 18:43	0° \mathbb{M}			-11974 Feb 02 j 16:58	0° \mathbb{M}	
	-11975 Feb 26 j 06:09	0° \mathbb{A}		morning set	-11974 Feb 13 j 10:33	20° \mathbb{M} 32'41	
morning set	-11975 Feb 28 j 22:04	5° \mathbb{A} 27'57			-11974 Feb 17 j 20:38	0° \mathbb{A}	
asc. node	-11975 Mar 05 j 03:58	14° \mathbb{A} 27'51					
				superior conj	-11974 Feb 20 j 10:39	5° \mathbb{A} 35'43	0°03'47
superior conj	-11975 Mar 08 j 02:09	20° \mathbb{A} 42'09	0°27'20	minimum elong	-11974 Feb 20 j 10:31	5° \mathbb{A} 35'01	0°03'09
minimum elong	-11975 Mar 08 j 01:00	20° \mathbb{A} 36'02	0°26'26	behind sun begin	-11974 Feb 20 j 05:30	5° \mathbb{A} 07'53	
max. Earth dist.	-11975 Mar 10 j 15:00	26° \mathbb{A} 02'45	1.34018 AU	behind sun end	-11974 Feb 20 j 15:32	6° \mathbb{A} 02'08	
	-11975 Mar 12 j 12:51	0° \mathbb{B}		asc. node	-11974 Feb 20 j 01:09	4° \mathbb{A} 44'19	
evening rise	-11975 Mar 15 j 21:55	6° \mathbb{B} 47'45		max. Earth dist.	-11974 Feb 21 j 22:05	8° \mathbb{A} 46'40	1.33283 AU
	-11975 Mar 28 j 18:41	0° \approx		evening rise	-11974 Feb 27 j 20:46	21° \mathbb{A} 13'18	
evening max el	-11975 Apr 19 j 00:09	28° \approx 24'04	27°21'59		-11974 Mar 04 j 08:07	0° \mathbb{B}	
	-11975 Apr 20 j 17:08	0° \mathbb{H}			-11974 Mar 22 j 19:59	0° \approx	
desc. node	-11975 Apr 22 j 04:56	1° \mathbb{H} 16'38		evening max el	-11974 Apr 01 j 08:52	11° \approx 06'23	27°24'19
retrograde	-11975 May 02 j 14:45	5° \mathbb{H} 59'12		desc. node	-11974 Apr 09 j 02:10	16° \approx 58'18	
evening set	-11975 May 09 j 12:56	3° \mathbb{H} 18'38		retrograde	-11974 Apr 15 j 07:06	18° \approx 39'57	
min. Earth dist.	-11975 May 13 j 05:32	29° \approx 51'20	0.64004 AU	evening set	-11974 Apr 22 j 03:38	16° \approx 19'26	
	-11975 May 13 j 02:16	30° \mathbb{R} \approx		min. Earth dist.	-11974 Apr 25 j 20:31	13° \approx 16'49	0.62271 AU
inferior conj	-11975 May 15 j 15:40	27° \approx 12'44	-3°24'26	inferior conj	-11974 Apr 28 j 19:48	10° \approx 23'26	-3°25'18
minimum elong	-11975 May 15 j 16:38	27° \approx 10'05	3°24'47	minimum elong	-11974 Apr 28 j 19:13	10° \approx 24'51	3°25'51
morning rise	-11975 May 21 j 21:07	21° \approx 48'42		morning rise	-11974 May 05 j 12:16	5° \approx 17'42	
direct	-11975 May 24 j 17:49	21° \approx 06'11		direct	-11974 May 08 j 04:16	4° \approx 44'50	
morning max el	-11975 May 31 j 05:32	24° \approx 32'47	18°11'19	morning max el	-11974 May 14 j 19:25	8° \approx 07'21	18°02'09
asc. node	-11975 Jun 01 j 04:03	25° \approx 32'05		asc. node	-11974 May 19 j 00:50	13° \approx 14'14	
	-11975 Jun 04 j 16:27	0° \mathbb{H}			-11974 May 29 j 03:59	0° \mathbb{H}	
morning set	-11975 Jun 18 j 07:14	22° \mathbb{H} 12'32		morning set	-11974 May 31 j 11:42	4° \mathbb{H} 08'07	
	-11975 Jun 22 j 21:38	0° \mathbb{Y}					
				superior conj	-11974 Jun 12 j 01:34	24° \mathbb{H} 22'35	1°46'24
superior conj	-11975 Jul 01 j 15:48	14° \mathbb{Y} 28'55	1°29'25	minimum elong	-11974 Jun 12 j 03:55	24° \mathbb{H} 32'34	1°46'14
minimum elong	-11975 Jul 01 j 21:41	14° \mathbb{Y} 52'48	1°29'07		-11974 Jun 15 j 09:53	0° \mathbb{Y}	
max. Earth dist.	-11975 Jul 06 j 06:48	21° \mathbb{Y} 56'05	1.43994 AU	max. Earth dist.	-11974 Jun 18 j 17:42	5° \mathbb{Y} 28'59	1.42820 AU
	-11975 Jul 11 j 08:47	0° \mathbb{B}		evening rise	-11974 Jun 27 j 02:27	18° \mathbb{Y} 51'27	
evening rise	-11975 Jul 18 j 02:21	10° \mathbb{B} 31'49			-11974 Jul 04 j 07:42	0° \mathbb{B}	
desc. node	-11975 Jul 19 j 01:38	12° \mathbb{B} 02'10		desc. node	-11974 Jul 05 j 23:05	2° \mathbb{B} 29'11	
	-11975 Jul 30 j 19:32	0° \mathbb{I}			-11974 Jul 25 j 20:47	0° \mathbb{I}	
evening max el	-11975 Aug 13 j 09:33	18° \mathbb{I} 10'36	20°04'30	evening max el	-11974 Jul 27 j 08:45	1° \mathbb{I} 35'50	21°12'14
retrograde	-11975 Aug 21 j 00:19	22° \mathbb{I} 35'46		retrograde	-11974 Aug 04 j 20:37	6° \mathbb{I} 35'43	
evening set	-11975 Aug 24 j 14:53	21° \mathbb{I} 20'26		evening set	-11974 Aug 08 j 23:16	5° \mathbb{I} 00'50	
asc. node	-11975 Aug 28 j 04:55	17° \mathbb{I} 47'18			-11974 Aug 13 j 11:08	30° \mathbb{R} \mathbb{B}	
inferior conj	-11975 Aug 30 j 02:44	15° \mathbb{I} 19'38	0°36'02	inferior conj	-11974 Aug 14 j 06:54	28° \mathbb{B} 52'45	-0°14'52
minimum elong	-11975 Aug 30 j 01:55	15° \mathbb{I} 22'22	0°36'22	minimum elong	-11974 Aug 14 j 07:12	28° \mathbb{B} 51'43	0°14'11
min. Earth dist.	-11975 Aug 31 j 00:57	14° \mathbb{I} 06'04	0.66439 AU	transit middle	-11974 Aug 14 j 07:12	28° \mathbb{B} 51'43	0°14'11
morning rise	-11975 Sep 04 j 12:40	8° \mathbb{I} 59'25		transit begin	-11974 Aug 14 j 05:50	28° \mathbb{B} 56'22	
direct	-11975 Sep 10 j 04:36	6° \mathbb{I} 34'35		transit end	-11974 Aug 14 j 08:34	28° \mathbb{B} 47'03	
morning max el	-11975 Sep 21 j 23:38	13° \mathbb{I} 34'52	25°07'40	min. Earth dist.	-11974 Aug 14 j 18:23	28° \mathbb{B} 13'28	0.66982 AU
	-11975 Oct 05 j 09:22	0° \mathbb{E}		asc. node	-11974 Aug 15 j 01:50	27° \mathbb{B} 48'02	
desc. node	-11975 Oct 15 j 00:09	14° \mathbb{E} 08'45		morning rise	-11974 Aug 19 j 14:58	22° \mathbb{B} 31'50	
	-11975 Oct 24 j 17:09	0° \mathbb{O}		direct	-11974 Aug 24 j 16:41	20° \mathbb{B} 24'03	
morning set	-11975 Oct 27 j 22:39	5° \mathbb{O} 38'37		morning max el	-11974 Sep 04 j 09:33	26° \mathbb{B} 49'50	23°46'00
max. Earth dist.	-11975 Oct 31 j 19:56	12° \mathbb{O} 41'57	1.37237 AU		-11974 Sep 07 j 07:48	0° \mathbb{I}	
					-11974 Sep 29 j 00:56	0° \mathbb{E}	
superior conj	-11975 Nov 07 j 00:57	24° \mathbb{O} 33'40	-1°38'13	desc. node	-11974 Oct 01 j 21:02	4° \mathbb{E} 26'14	
minimum elong	-11975 Nov 07 j 00:53	24° \mathbb{O} 33'21	1°37'46	morning set	-11974 Oct 09 j 10:23	16° \mathbb{E} 47'18	
	-11975 Nov 09 j 18:45	0° \mathbb{M}		max. Earth dist.	-11974 Oct 13 j 18:31	24° \mathbb{E} 15'43	1.39190 AU
evening rise	-11975 Nov 15 j 05:28	10° \mathbb{M} 57'38			-11974 Oct 16 j 23:46	0° \mathbb{O}	
asc. node	-11975 Nov 24 j 03:31	27° \mathbb{M} 42'21					
	-11975 Nov 25 j 13:37	0° \mathbb{L}		superior conj	-11974 Oct 21 j 02:26	7° \mathbb{O} 34'19	-1°33'57
evening max el	-11975 Dec 02 j 13:16	8° \mathbb{L} 51'55	19°30'31	minimum elong	-11974 Oct 21 j 00:35	7° \mathbb{O} 25'40	1°33'17
retrograde	-11975 Dec 11 j 20:49	13° \mathbb{L} 16'06		evening rise	-11974 Oct 30 j 02:44	24° \mathbb{O} 54'07	
evening set	-11975 Dec 14 j 09:45	12° \mathbb{L} 57'58			-11974 Nov 01 j 18:10	0° \mathbb{M}	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

asc. node	-11974 Nov 11 j 00:50	15° \mathbb{M} 56'22		asc. node	-11973 Oct 28 j 22:06	3° \mathbb{M} 17'31	
evening max el	-11974 Nov 15 j 12:15	21° \mathbb{M} 18'45	18°42'33	evening max el	-11973 Oct 29 j 19:01	4° \mathbb{M} 11'50	18°14'53
retrograde	-11974 Nov 23 j 13:41	25° \mathbb{M} 13'37		retrograde	-11973 Nov 06 j 00:10	7° \mathbb{M} 50'14	
evening set	-11974 Nov 26 j 01:20	24° \mathbb{M} 52'42		evening set	-11973 Nov 08 j 11:49	7° \mathbb{M} 25'12	
inferior conj	-11974 Dec 03 j 19:30	20° \mathbb{M} 25'09	4°17'13	inferior conj	-11973 Nov 15 j 17:23	2° \mathbb{M} 35'47	4°04'30
minimum elong	-11974 Dec 03 j 19:25	20° \mathbb{M} 25'18	4°17'22	minimum elong	-11973 Nov 15 j 14:36	2° \mathbb{M} 41'50	4°04'31
min. Earth dist.	-11974 Dec 06 j 23:33	18° \mathbb{M} 02'54	0.58445 AU		-11973 Nov 18 j 17:25	30° \mathbb{R} \mathbb{L}	
morning rise	-11974 Dec 11 j 11:38	15° \mathbb{M} 16'40		min. Earth dist.	-11973 Nov 18 j 20:18	29° \mathbb{L} 54'01	0.60284 AU
direct	-11974 Dec 17 j 12:21	13° \mathbb{M} 47'44		morning rise	-11973 Nov 22 j 15:56	27° \mathbb{L} 07'08	
desc. node	-11974 Dec 28 j 22:30	18° \mathbb{M} 43'08		direct	-11973 Nov 29 j 10:57	25° \mathbb{L} 02'36	
morning max el	-11974 Dec 31 j 13:18	21° \mathbb{M} 02'12	26°00'46		-11973 Dec 10 j 17:19	0° \mathbb{M}	
	-11973 Jan 08 j 08:53	0° \mathbb{L}		morning max el	-11973 Dec 13 j 10:38	2° \mathbb{M} 25'09	27°03'01
	-11973 Jan 26 j 05:05	0° \mathbb{M}		desc. node	-11973 Dec 15 j 19:08	4° \mathbb{M} 48'39	
morning set	-11973 Jan 28 j 22:28	5° \mathbb{M} 36'18			-11972 Jan 02 j 13:54	0° \mathbb{L}	
				morning set	-11972 Jan 13 j 08:01	20° \mathbb{L} 32'10	
					-11972 Jan 17 j 18:53	0° \mathbb{M}	
superior conj	-11973 Feb 04 j 21:41	20° \mathbb{M} 37'28	-0°19'12	superior conj	-11972 Jan 20 j 09:34	5° \mathbb{M} 41'12	-0°40'45
minimum elong	-11973 Feb 04 j 22:29	20° \mathbb{M} 41'47	0°19'33	minimum elong	-11972 Jan 20 j 11:05	5° \mathbb{M} 49'32	0°40'52
max. Earth dist.	-11973 Feb 05 j 10:14	21° \mathbb{M} 45'50	1.32875 AU	max. Earth dist.	-11972 Jan 19 j 23:46	4° \mathbb{M} 47'45	1.32793 AU
asc. node	-11973 Feb 06 j 22:23	25° \mathbb{M} 02'29		asc. node	-11972 Jan 24 j 19:40	15° \mathbb{M} 18'02	
	-11973 Feb 09 j 05:42	0° \mathbb{X}		evening rise	-11972 Jan 27 j 10:39	20° \mathbb{M} 52'09	
evening rise	-11973 Feb 12 j 01:46	5° \mathbb{X} 57'27			-11972 Jan 31 j 23:01	0° \mathbb{X}	
	-11973 Feb 24 j 23:55	0° \mathbb{Z}			-11972 Feb 20 j 01:18	0° \mathbb{Z}	
evening max el	-11973 Mar 14 j 13:27	23° \mathbb{Z} 14'51	26°53'51	evening max el	-11972 Feb 24 j 12:15	4° \mathbb{Z} 45'06	25°52'41
	-11973 Mar 24 j 14:34	0° \mathbb{A}		retrograde	-11972 Mar 09 j 14:30	12° \mathbb{Z} 00'07	
desc. node	-11973 Mar 26 j 23:17	0° \mathbb{A} 34'15		desc. node	-11972 Mar 12 j 20:20	11° \mathbb{Z} 34'19	
retrograde	-11973 Mar 28 j 15:36	0° \mathbb{A} 41'36		evening set	-11972 Mar 15 j 03:56	10° \mathbb{Z} 45'03	
	-11973 Apr 01 j 14:03	30° \mathbb{R} \mathbb{Z}		min. Earth dist.	-11972 Mar 20 j 01:30	7° \mathbb{Z} 51'27	0.58362 AU
evening set	-11973 Apr 04 j 01:15	28° \mathbb{Z} 51'54		inferior conj	-11972 Mar 23 j 06:54	5° \mathbb{Z} 29'18	-2°22'35
min. Earth dist.	-11973 Apr 08 j 02:41	26° \mathbb{Z} 00'56	0.60316 AU	minimum elong	-11972 Mar 23 j 03:20	5° \mathbb{Z} 35'53	2°22'28
inferior conj	-11973 Apr 11 j 10:06	23° \mathbb{Z} 12'09	-3°06'46	morning rise	-11972 Mar 31 j 05:53	1° \mathbb{Z} 03'10	
minimum elong	-11973 Apr 11 j 07:42	23° \mathbb{Z} 17'18	3°07'06	direct	-11972 Apr 02 j 13:24	0° \mathbb{Z} 45'25	
morning rise	-11973 Apr 18 j 16:29	18° \mathbb{Z} 26'09		morning max el	-11972 Apr 10 j 15:51	4° \mathbb{Z} 37'40	18°40'57
direct	-11973 Apr 21 j 04:16	18° \mathbb{Z} 01'32		asc. node	-11972 Apr 21 j 18:37	20° \mathbb{Z} 46'35	
morning max el	-11973 Apr 28 j 07:49	21° \mathbb{Z} 31'57	18°11'51	morning set	-11972 Apr 26 j 23:12	0° \mathbb{A} 34'53	
	-11973 May 04 j 20:09	0° \mathbb{A}			-11972 Apr 26 j 15:59	0° \mathbb{A}	
asc. node	-11973 May 05 j 21:42	1° \mathbb{A} 42'50		superior conj	-11972 May 06 j 00:54	17° \mathbb{A} 58'52	1°39'46
morning set	-11973 May 14 j 10:35	16° \mathbb{A} 59'36		minimum elong	-11972 May 05 j 22:14	17° \mathbb{A} 46'23	1°39'06
	-11973 May 21 j 11:26	0° \mathbb{H}			-11972 May 12 j 15:09	0° \mathbb{H}	
superior conj	-11973 May 24 j 14:05	5° \mathbb{H} 36'27	1°48'32	max. Earth dist.	-11972 May 13 j 00:36	0° \mathbb{H} 41'46	1.39330 AU
minimum elong	-11973 May 24 j 13:08	5° \mathbb{H} 32'16	1°48'13	evening rise	-11972 May 17 j 07:28	8° \mathbb{H} 06'48	
max. Earth dist.	-11973 May 31 j 23:28	18° \mathbb{H} 26'20	1.41191 AU		-11972 May 30 j 23:55	0° \mathbb{Y}	
evening rise	-11973 Jun 06 j 15:50	27° \mathbb{H} 50'15		desc. node	-11972 Jun 08 j 18:05	12° \mathbb{Y} 38'31	
	-11973 Jun 08 j 00:01	0° \mathbb{Y}		evening max el	-11972 Jun 21 j 12:38	28° \mathbb{Y} 16'55	23°52'20
desc. node	-11973 Jun 22 j 20:35	22° \mathbb{Y} 43'23			-11972 Jun 23 j 07:42	0° \mathbb{B}	
	-11973 Jun 27 j 23:30	0° \mathbb{B}		retrograde	-11972 Jul 02 j 06:41	4° \mathbb{B} 39'42	
evening max el	-11973 Jul 10 j 01:12	14° \mathbb{B} 57'26	22°30'01	evening set	-11972 Jul 07 j 13:46	2° \mathbb{B} 22'33	
retrograde	-11973 Jul 19 j 15:08	20° \mathbb{B} 38'14			-11972 Jul 09 j 20:12	30° \mathbb{R} \mathbb{Y}	
evening set	-11973 Jul 24 j 07:32	18° \mathbb{B} 42'02		inferior conj	-11972 Jul 12 j 19:09	26° \mathbb{Y} 07'01	-1°46'33
inferior conj	-11973 Jul 29 j 12:57	12° \mathbb{B} 29'06	-1°02'51	minimum elong	-11972 Jul 12 j 21:05	26° \mathbb{Y} 00'22	1°45'38
minimum elong	-11973 Jul 29 j 14:12	12° \mathbb{B} 24'45	1°01'57	min. Earth dist.	-11972 Jul 12 j 09:03	26° \mathbb{Y} 41'34	0.67170 AU
min. Earth dist.	-11973 Jul 29 j 13:51	12° \mathbb{B} 25'58	0.67231 AU	morning rise	-11972 Jul 18 j 04:22	19° \mathbb{Y} 55'38	
asc. node	-11973 Aug 01 j 22:42	8° \mathbb{B} 04'09		asc. node	-11972 Jul 18 j 19:33	19° \mathbb{Y} 28'52	
morning rise	-11973 Aug 03 j 20:47	6° \mathbb{B} 11'15		direct	-11972 Jul 22 j 04:43	18° \mathbb{Y} 24'15	
direct	-11973 Aug 08 j 09:05	4° \mathbb{B} 21'57		morning max el	-11972 Jul 30 j 15:49	23° \mathbb{Y} 26'29	21°03'40
morning max el	-11973 Aug 17 j 22:06	10° \mathbb{B} 06'08	22°22'15		-11972 Aug 05 j 04:55	0° \mathbb{B}	
	-11973 Sep 02 j 08:43	0° \mathbb{I}			-11972 Aug 25 j 18:04	0° \mathbb{I}	
desc. node	-11973 Sep 18 j 18:02	24° \mathbb{I} 55'46		morning set	-11972 Aug 29 j 06:33	5° \mathbb{I} 28'02	
morning set	-11973 Sep 19 j 19:48	26° \mathbb{I} 39'10		desc. node	-11972 Sep 04 j 15:09	15° \mathbb{I} 32'32	
	-11973 Sep 21 j 21:18	0° \mathbb{O}		max. Earth dist.	-11972 Sep 07 j 02:31	19° \mathbb{I} 32'34	1.42831 AU
max. Earth dist.	-11973 Sep 25 j 19:40	6° \mathbb{O} 30'57	1.41149 AU		-11972 Sep 13 j 10:08	0° \mathbb{O}	
superior conj	-11973 Oct 03 j 09:36	19° \mathbb{O} 37'22	-1°19'24	superior conj	-11972 Sep 13 j 16:36	0° \mathbb{O} 27'16	-0°52'37
minimum elong	-11973 Oct 03 j 05:58	19° \mathbb{O} 21'13	1°18'26	minimum elong	-11972 Sep 13 j 12:30	0° \mathbb{O} 09'56	0°51'29
	-11973 Oct 09 j 02:58	0° \mathbb{L}		evening rise	-11972 Sep 25 j 12:20	21° \mathbb{O} 02'06	
evening rise	-11973 Oct 13 j 14:22	8° \mathbb{L} 18'56					
	-11973 Oct 26 j 06:02	0° \mathbb{M}					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-11972 Sep 30 j 13:44	0°♌				-11971 Sep 25 j 02:38	0°♌		
evening max el	-11972 Oct 12 j 06:43	17°♌23'37	18°07'03		evening max el	-11971 Sep 25 j 20:25	0°♌47'10	18°17'58	
asc. node	-11972 Oct 14 j 19:19	19°♌30'51			asc. node	-11971 Oct 01 j 16:30	4°♌19'54		
retrograde	-11972 Oct 19 j 00:44	20°♌56'17			retrograde	-11971 Oct 02 j 11:07	4°♌23'06		
evening set	-11972 Oct 21 j 14:12	20°♌25'24			evening set	-11971 Oct 05 j 04:40	3°♌43'50		
inferior conj	-11972 Oct 28 j 08:02	15°♌15'25	3°32'01			-11971 Oct 09 j 21:19	30°♌☾		
minimum elong	-11972 Oct 28 j 04:14	15°♌24'48	3°31'42		inferior conj	-11971 Oct 11 j 12:01	28°♌15'52	2°48'02	
min. Earth dist.	-11972 Oct 31 j 01:52	12°♌33'23	0.62078 AU		minimum elong	-11971 Oct 11 j 08:26	28°♌25'42	2°47'37	
morning rise	-11972 Nov 03 j 17:09	9°♌29'23			min. Earth dist.	-11971 Oct 13 j 17:33	25°♌48'42	0.63676 AU	
direct	-11972 Nov 10 j 18:32	6°♌59'02			morning rise	-11971 Oct 17 j 11:24	22°♌15'43		
morning max el	-11972 Nov 24 j 14:30	14°♌28'32	27°32'24		direct	-11971 Oct 24 j 09:49	19°♌32'54		
desc. node	-11972 Dec 01 j 15:48	22°♌20'39			morning max el	-11971 Nov 06 j 22:43	27°♌05'46	27°27'07	
	-11972 Dec 07 j 08:08	0°♍				-11971 Nov 09 j 18:03	0°♌		
	-11972 Dec 24 j 22:34	0°♌			desc. node	-11971 Nov 18 j 12:27	10°♌53'37		
morning set	-11972 Dec 27 j 13:07	5°♌13'03				-11971 Nov 30 j 21:35	0°♍		
max. Earth dist.	-11971 Jan 02 j 10:53	17°♌38'49	1.33050 AU		morning set	-11971 Dec 11 j 11:07	19°♍29'00		
					max. Earth dist.	-11971 Dec 16 j 15:43	0°♌05'40	1.33688 AU	
						-11971 Dec 16 j 14:38	0°♌		
superior conj	-11971 Jan 03 j 20:38	20°♌41'18	-1°00'11						
minimum elong	-11971 Jan 03 j 22:36	20°♌52'00	1°00'08		superior conj	-11971 Dec 19 j 05:02	5°♌30'17	-1°16'45	
	-11971 Jan 08 j 03:41	0°♍			minimum elong	-11971 Dec 19 j 07:05	5°♌41'15	1°16'33	
evening rise	-11971 Jan 10 j 21:34	5°♍50'52			evening rise	-11971 Dec 26 j 08:44	20°♌46'31		
asc. node	-11971 Jan 10 j 16:59	5°♍26'47			asc. node	-11971 Dec 28 j 14:19	25°♌23'14		
	-11971 Jan 23 j 20:53	0°♎				-11971 Dec 30 j 21:54	0°♍		
evening max el	-11971 Feb 05 j 06:24	15°♎46'17	24°29'02		evening max el	-11970 Jan 17 j 23:59	26°♍38'01	22°55'23	
retrograde	-11971 Feb 19 j 02:09	22°♎40'10				-11970 Jan 22 j 05:07	0°♎		
evening set	-11971 Feb 23 j 13:39	21°♎54'53			retrograde	-11970 Jan 31 j 01:24	2°♎56'10		
desc. node	-11971 Feb 27 j 17:19	20°♎01'24			evening set	-11970 Feb 03 j 13:13	2°♎29'31		
min. Earth dist.	-11971 Mar 01 j 19:50	18°♎45'50	0.56713 AU			-11970 Feb 09 j 12:35	30°♍♌		
inferior conj	-11971 Mar 04 j 08:03	17°♎09'11	-1°08'37		min. Earth dist.	-11970 Feb 11 j 11:43	28°♍53'13	0.55684 AU	
minimum elong	-11971 Mar 04 j 05:32	17°♎13'15	1°08'32		inferior conj	-11970 Feb 12 j 15:18	28°♍12'56	0°30'03	
morning rise	-11971 Mar 13 j 00:32	12°♎59'21			minimum elong	-11970 Feb 12 j 16:33	28°♍11'06	0°29'04	
direct	-11971 Mar 15 j 04:35	12°♎46'18			desc. node	-11970 Feb 14 j 14:13	27°♍05'25		
morning max el	-11971 Mar 24 j 16:33	17°♎15'36	19°29'42		morning rise	-11970 Feb 21 j 21:27	24°♍09'35		
	-11971 Apr 03 j 01:54	0°♏			direct	-11970 Feb 24 j 03:27	23°♍57'23		
asc. node	-11971 Apr 08 j 15:35	10°♏17'16			morning max el	-11970 Mar 07 j 07:03	29°♍15'47	20°37'49	
morning set	-11971 Apr 10 j 21:44	14°♏44'24				-11970 Mar 08 j 01:07	0°♎		
	-11971 Apr 18 j 13:15	0°♐			morning set	-11970 Mar 26 j 03:03	29°♎18'37		
						-11970 Mar 26 j 11:10	0°♏		
superior conj	-11971 Apr 19 j 04:33	1°♐15'03	1°23'48		asc. node	-11970 Mar 26 j 12:35	0°♏07'15		
minimum elong	-11971 Apr 19 j 01:30	1°♐00'07	1°22'51						
max. Earth dist.	-11971 Apr 25 j 01:20	12°♐27'04	1.37495 AU		superior conj	-11970 Apr 02 j 20:17	15°♏10'42	1°03'29	
evening rise	-11971 Apr 29 j 01:37	19°♐44'46			minimum elong	-11970 Apr 02 j 17:41	14°♏57'28	1°02'25	
	-11971 May 05 j 00:13	0°♑			max. Earth dist.	-11970 Apr 07 j 08:21	24°♏10'01	1.35885 AU	
	-11971 May 25 j 00:23	0°♑				-11970 Apr 10 j 09:10	0°♐		
desc. node	-11971 May 26 j 15:33	2°♑06'40			evening rise	-11970 Apr 11 j 16:57	2°♐29'02		
evening max el	-11971 Jun 03 j 22:10	11°♑37'55	25°11'39			-11970 Apr 27 j 23:55	0°♑		
retrograde	-11971 Jun 15 j 18:29	18°♑35'55			desc. node	-11970 May 13 j 13:00	20°♑56'24		
evening set	-11971 Jun 21 j 16:00	16°♑01'20			evening max el	-11970 May 17 j 08:18	24°♑59'48	26°19'22	
min. Earth dist.	-11971 Jun 26 j 01:40	10°♑58'18	0.66771 AU			-11970 May 23 j 08:52	0°♑		
inferior conj	-11971 Jun 26 j 23:41	9°♑45'25	-2°24'37		retrograde	-11970 May 30 j 01:40	2°♑20'49		
minimum elong	-11971 Jun 27 j 01:59	9°♑37'49	2°23'53		evening set	-11970 Jun 05 j 11:58	29°♑35'41		
morning rise	-11971 Jul 02 j 11:59	3°♑43'37				-11970 Jun 05 j 00:20	30°♑♌		
asc. node	-11971 Jul 05 j 16:23	2°♑29'23			min. Earth dist.	-11970 Jun 09 j 13:24	25°♑11'53	0.66001 AU	
direct	-11971 Jul 06 j 02:20	2°♑28'25			inferior conj	-11970 Jun 11 j 00:37	23°♑21'44	-2°55'30	
morning max el	-11971 Jul 13 j 15:56	6°♑53'13	19°55'42		minimum elong	-11970 Jun 11 j 02:50	23°♑14'48	2°55'10	
	-11971 Jul 30 j 09:04	0°♒			morning rise	-11970 Jun 16 j 17:50	17°♑32'25		
morning set	-11971 Aug 08 j 09:41	13°♑57'34			direct	-11970 Jun 20 j 00:07	16°♑31'19		
	-11971 Aug 18 j 14:46	0°♒			asc. node	-11970 Jun 22 j 13:11	17°♑06'34		
max. Earth dist.	-11971 Aug 20 j 14:46	3°♒10'57	1.44017 AU		morning max el	-11970 Jun 26 j 22:09	20°♑26'07	19°02'03	
desc. node	-11971 Aug 22 j 12:20	6°♒13'08				-11970 Jul 04 j 08:05	0°♑		
					morning set	-11970 Jul 19 j 00:59	23°♑01'49		
superior conj	-11971 Aug 24 j 19:58	9°♒57'05	-0°13'52			-11970 Jul 23 j 10:06	0°♒		
minimum elong	-11971 Aug 24 j 18:31	9°♒51'13	0°13'02		max. Earth dist.	-11970 Aug 03 j 06:40	17°♒11'48	1.44560 AU	
behind sun begin	-11971 Aug 24 j 11:58	9°♒24'48							
behind sun end	-11971 Aug 25 j 01:03	10°♒17'39			superior conj	-11970 Aug 04 j 01:08	18°♒24'52	0°31'24	
	-11971 Sep 05 j 23:02	0°♓			minimum elong	-11970 Aug 04 j 04:54	18°♒39'49	0°31'28	
evening rise	-11971 Sep 07 j 15:30	2°♓51'09							

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

desc. node	-11970 Aug 09 j 09:37	26° ♄ 54'34			-11969 Aug 04 j 05:53	0° ♄	
	-11970 Aug 11 j 08:09	0° ♄		greatest brilliancy	-11969 Aug 10 j 04:44	9° ♄ 13'12	-0.7m
evening rise	-11970 Aug 19 j 18:17	13° ♄ 32'11		evening max el	-11969 Aug 23 j 18:15	27° ♄ 47'19	19°31'37
	-11970 Aug 29 j 23:51	0° ♄			-11969 Aug 26 j 05:14	0° ♄	
evening max el	-11970 Sep 09 j 09:12	14° ♄ 17'03	18°46'31	retrograde	-11969 Aug 30 j 23:29	1° ♄ 55'52	
retrograde	-11970 Sep 16 j 03:40	18° ♄ 04'44		evening set	-11969 Sep 03 j 08:11	0° ♄ 50'17	
asc. node	-11970 Sep 18 j 13:37	17° ♄ 31'47			-11969 Sep 04 j 11:02	30° ♄	
evening set	-11970 Sep 19 j 03:40	17° ♄ 13'59		asc. node	-11969 Sep 05 j 10:40	29° ♄ 05'20	
inferior conj	-11970 Sep 25 j 02:03	11° ♄ 30'54	1°58'10	inferior conj	-11969 Sep 08 j 23:20	24° ♄ 55'01	1°06'03
minimum elong	-11970 Sep 24 j 23:22	11° ♄ 38'57	1°57'55	minimum elong	-11969 Sep 08 j 21:49	24° ♄ 59'53	1°06'09
min. Earth dist.	-11970 Sep 26 j 18:45	9° ♄ 28'35	0.64994 AU	min. Earth dist.	-11969 Sep 10 j 03:56	23° ♄ 23'01	0.66003 AU
morning rise	-11970 Sep 30 j 18:33	5° ♄ 20'10		morning rise	-11969 Sep 14 j 11:08	18° ♄ 37'21	
direct	-11970 Oct 07 j 07:39	2° ♄ 37'34		direct	-11969 Sep 20 j 11:15	16° ♄ 04'26	
morning max el	-11970 Oct 20 j 08:47	10° ♄ 06'06	26°50'49	morning max el	-11969 Oct 02 j 18:51	23° ♄ 17'55	25°50'16
desc. node	-11970 Nov 05 j 09:07	0° ♄ 09'57			-11969 Oct 08 j 19:18	0° ♄	
	-11970 Nov 05 j 06:24	0° ♄		desc. node	-11969 Oct 23 j 05:51	19° ♄ 56'35	
	-11970 Nov 23 j 06:46	0° ♄			-11969 Oct 29 j 14:13	0° ♄	
morning set	-11970 Nov 24 j 22:49	3° ♄ 09'36		morning set	-11969 Nov 07 j 19:59	16° ♄ 01'57	
max. Earth dist.	-11970 Nov 29 j 11:06	12° ♄ 01'21	1.34749 AU	max. Earth dist.	-11969 Nov 11 j 19:55	23° ♄ 30'50	1.36232 AU
					-11969 Nov 15 j 03:55	0° ♄	
superior conj	-11970 Dec 03 j 08:44	20° ♄ 01'11	-1°29'24				
minimum elong	-11970 Dec 03 j 10:24	20° ♄ 09'55	1°29'08	superior conj	-11969 Nov 17 j 05:04	4° ♄ 05'09	-1°36'54
	-11970 Dec 08 j 02:48	0° ♄		minimum elong	-11969 Nov 17 j 05:48	4° ♄ 08'52	1°36'32
evening rise	-11970 Dec 10 j 18:34	5° ♄ 33'29		evening rise	-11969 Nov 25 j 01:14	20° ♄ 05'44	
asc. node	-11970 Dec 15 j 11:39	15° ♄ 01'30			-11969 Nov 30 j 01:34	0° ♄	
	-11970 Dec 24 j 08:49	0° ♄		asc. node	-11969 Dec 02 j 09:00	4° ♄ 14'23	
evening max el	-11970 Dec 30 j 22:21	7° ♄ 43'19	21°24'41	evening max el	-11969 Dec 13 j 05:27	19° ♄ 17'27	20°06'55
retrograde	-11969 Jan 11 j 16:01	13° ♄ 15'14		retrograde	-11969 Dec 23 j 09:29	24° ♄ 04'08	
evening set	-11969 Jan 14 j 13:19	12° ♄ 56'17		evening set	-11969 Dec 26 j 00:19	23° ♄ 46'32	
inferior conj	-11969 Jan 23 j 13:01	8° ♄ 56'07	2°12'41	inferior conj	-11968 Jan 03 j 14:18	19° ♄ 44'41	3°31'34
minimum elong	-11969 Jan 23 j 18:08	8° ♄ 48'48	2°10'49	minimum elong	-11968 Jan 03 j 19:37	19° ♄ 36'32	3°30'21
min. Earth dist.	-11969 Jan 24 j 01:52	8° ♄ 37'44	0.55487 AU	min. Earth dist.	-11968 Jan 05 j 14:57	18° ♄ 30'25	0.56134 AU
desc. node	-11969 Feb 01 j 11:00	4° ♄ 51'21		morning rise	-11968 Jan 12 j 13:07	15° ♄ 13'19	
morning rise	-11969 Feb 01 j 22:21	4° ♄ 45'00		direct	-11968 Jan 16 j 13:18	14° ♄ 37'49	
direct	-11969 Feb 04 j 18:45	4° ♄ 26'55		desc. node	-11968 Jan 19 j 07:40	14° ♄ 55'15	
morning max el	-11969 Feb 17 j 10:03	10° ♄ 34'56	22°03'06	morning max el	-11968 Jan 30 j 03:54	21° ♄ 23'30	23°39'02
	-11969 Mar 03 j 07:02	0° ♄			-11968 Feb 06 j 12:49	0° ♄	
morning set	-11969 Mar 10 j 12:43	14° ♄ 10'16		morning set	-11968 Feb 23 j 00:44	29° ♄ 12'34	
asc. node	-11969 Mar 13 j 09:37	20° ♄ 11'12			-11968 Feb 23 j 09:47	0° ♄	
				asc. node	-11968 Feb 28 j 06:44	10° ♄ 24'32	
superior conj	-11969 Mar 17 j 20:35	29° ♄ 35'20	0°40'50				
minimum elong	-11969 Mar 17 j 18:51	29° ♄ 26'15	0°39'50	superior conj	-11968 Mar 01 j 02:44	14° ♄ 20'44	0°17'18
	-11969 Mar 18 j 01:18	0° ♄		minimum elong	-11968 Mar 01 j 02:01	14° ♄ 16'54	0°16'31
max. Earth dist.	-11969 Mar 21 j 01:35	6° ♄ 14'12	1.34604 AU	max. Earth dist.	-11968 Mar 03 j 04:30	18° ♄ 45'46	1.33667 AU
evening rise	-11969 Mar 25 j 23:52	16° ♄ 03'08		evening rise	-11968 Mar 08 j 17:55	0° ♄ 13'17	
	-11969 Apr 02 j 13:38	0° ♄			-11968 Mar 08 j 15:16	0° ♄	
	-11969 Apr 22 j 11:03	0° ♄			-11968 Mar 25 j 14:49	0° ♄	
evening max el	-11969 Apr 29 j 19:16	8° ♄ 15'08	27°06'49	evening max el	-11968 Apr 11 j 05:24	21° ♄ 12'51	27°26'56
desc. node	-11969 Apr 30 j 10:24	8° ♄ 51'41		desc. node	-11968 Apr 16 j 07:41	25° ♄ 30'41	
retrograde	-11969 May 13 j 03:28	15° ♄ 47'03		retrograde	-11968 Apr 24 j 23:21	28° ♄ 47'20	
evening set	-11969 May 19 j 22:59	13° ♄ 01'27		evening set	-11968 May 01 j 22:04	26° ♄ 13'41	
min. Earth dist.	-11969 May 23 j 18:03	9° ♄ 15'05	0.64844 AU	min. Earth dist.	-11968 May 05 j 14:01	22° ♄ 58'32	0.63305 AU
inferior conj	-11969 May 25 j 19:39	6° ♄ 51'57	-3°17'13	inferior conj	-11968 May 08 j 06:07	20° ♄ 11'45	-3°26'52
minimum elong	-11969 May 25 j 21:15	6° ♄ 47'20	3°17'21	minimum elong	-11968 May 08 j 06:29	20° ♄ 10'47	3°27'20
morning rise	-11969 May 31 j 19:55	1° ♄ 17'55		morning rise	-11968 May 14 j 15:53	14° ♄ 55'22	
direct	-11969 Jun 03 j 19:49	0° ♄ 28'58		direct	-11968 May 17 j 10:38	14° ♄ 16'59	
asc. node	-11969 Jun 09 j 09:56	3° ♄ 07'43		morning max el	-11968 May 23 j 22:36	17° ♄ 40'07	18°05'14
morning max el	-11969 Jun 10 j 09:02	4° ♄ 02'45	18°24'49	asc. node	-11968 May 26 j 06:42	20° ♄ 17'34	
	-11969 Jun 27 j 17:47	0° ♄			-11968 Jun 01 j 20:19	0° ♄	
morning set	-11969 Jun 29 j 15:51	3° ♄ 11'08		morning set	-11968 Jun 10 j 07:37	14° ♄ 30'15	
					-11968 Jun 19 j 08:42	0° ♄	
superior conj	-11969 Jul 14 j 02:25	26° ♄ 42'26	1°12'07				
minimum elong	-11969 Jul 14 j 09:02	27° ♄ 08'53	1°11'46	superior conj	-11968 Jun 22 j 21:09	5° ♄ 51'53	1°38'39
	-11969 Jul 16 j 03:59	0° ♄		minimum elong	-11968 Jun 23 j 01:42	6° ♄ 10'41	1°38'26
max. Earth dist.	-11969 Jul 16 j 23:20	1° ♄ 16'54	1.44399 AU	max. Earth dist.	-11968 Jun 28 j 13:30	15° ♄ 07'59	1.43561 AU
desc. node	-11969 Jul 27 j 07:00	17° ♄ 33'07			-11968 Jul 07 j 22:52	0° ♄	
evening rise	-11969 Jul 30 j 17:36	22° ♄ 56'48		evening rise	-11968 Jul 08 j 20:39	1° ♄ 24'45	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

desc. node	-11968 Jul 13 j 04:27	8°♄05'36		morning set	-11967 May 23 j 20:28	26°♄50'34	
	-11968 Jul 27 j 22:07	0°♄			-11967 May 25 j 14:11	0°♄	
evening max el	-11968 Aug 05 j 21:22	11°♄14'40	20°31'45				
retrograde	-11968 Aug 13 j 20:15	15°♄53'32		superior conj	-11967 Jun 03 j 18:37	16°♄20'28	1°48'55
evening set	-11968 Aug 17 j 15:48	14°♄29'59		minimum elong	-11967 Jun 03 j 19:25	16°♄23'54	1°48'43
asc. node	-11968 Aug 22 j 07:38	9°♄25'44		max. Earth dist.	-11967 Jun 10 j 22:06	28°♄26'07	1.42164 AU
inferior conj	-11968 Aug 23 j 01:35	8°♄25'33	0°14'09		-11967 Jun 11 j 20:53	0°♄	
minimum elong	-11968 Aug 23 j 01:15	8°♄26'39	0°14'40	evening rise	-11967 Jun 17 j 23:44	9°♄52'44	
transit middle	-11968 Aug 23 j 01:15	8°♄26'39	0°14'40	desc. node	-11967 Jun 30 j 01:57	28°♄27'42	
transit begin	-11968 Aug 23 j 00:02	8°♄30'47			-11967 Jul 01 j 02:50	0°♄	
transit end	-11968 Aug 23 j 02:29	8°♄22'32		evening max el	-11967 Jul 19 j 17:27	24°♄37'23	21°44'23
min. Earth dist.	-11968 Aug 23 j 19:04	7°♄26'39	0.66706 AU	retrograde	-11967 Jul 28 j 16:07	29°♄54'49	
morning rise	-11968 Aug 28 j 10:32	2°♄04'39		evening set	-11967 Aug 02 j 00:24	28°♄10'56	
	-11968 Sep 01 j 03:28	30°♄		inferior conj	-11967 Aug 07 j 06:48	22°♄00'13	-0°35'41
direct	-11968 Sep 02 j 20:17	29°♄47'05		minimum elong	-11967 Aug 07 j 07:32	21°♄57'41	0°34'53
	-11968 Sep 04 j 14:48	0°♄		min. Earth dist.	-11967 Aug 07 j 13:45	21°♄36'13	0.67115 AU
morning max el	-11968 Sep 14 j 04:43	6°♄33'40	24°33'47	asc. node	-11967 Aug 09 j 04:32	19°♄25'12	
	-11968 Oct 02 j 11:08	0°♄		morning rise	-11967 Aug 12 j 14:33	15°♄40'01	
desc. node	-11968 Oct 09 j 02:41	10°♄04'52		direct	-11967 Aug 17 j 10:18	13°♄40'12	
morning set	-11968 Oct 19 j 21:30	27°♄52'38		morning max el	-11967 Aug 27 j 15:35	19°♄49'30	23°10'14
	-11968 Oct 21 j 02:36	0°♄			-11967 Sep 05 j 04:57	0°♄	
max. Earth dist.	-11968 Oct 23 j 20:51	4°♄55'39	1.38055 AU	desc. node	-11967 Sep 25 j 23:39	0°♄28'17	
					-11967 Sep 25 j 16:32	0°♄	
superior conj	-11968 Oct 30 j 14:41	17°♄32'24	-1°37'31	morning set	-11967 Sep 30 j 22:20	8°♄29'34	
minimum elong	-11968 Oct 30 j 13:54	17°♄28'40	1°37'00	max. Earth dist.	-11967 Oct 05 j 19:40	16°♄44'23	1.40029 AU
	-11968 Nov 05 j 22:50	0°♄					
evening rise	-11968 Nov 08 j 02:42	4°♄17'31		superior conj	-11967 Oct 13 j 09:07	0°♄10'38	-1°29'10
asc. node	-11968 Nov 18 j 06:20	22°♄53'14		minimum elong	-11967 Oct 13 j 06:27	29°♄58'27	1°28'24
	-11968 Nov 23 j 13:22	0°♄			-11967 Oct 13 j 06:47	0°♄	
evening max el	-11968 Nov 24 j 22:51	1°♄25'53	19°07'30	evening rise	-11967 Oct 22 j 20:22	18°♄02'08	
retrograde	-11968 Dec 03 j 16:39	5°♄36'27			-11967 Oct 29 j 06:20	0°♄	
evening set	-11968 Dec 06 j 04:44	5°♄17'23		asc. node	-11967 Nov 05 j 03:40	10°♄47'14	
inferior conj	-11968 Dec 14 j 06:17	1°♄01'04	4°11'25	evening max el	-11967 Nov 08 j 01:32	14°♄05'40	18°28'22
minimum elong	-11968 Dec 14 j 08:22	0°♄57'27	4°11'17	retrograde	-11967 Nov 15 j 17:23	17°♄52'16	
	-11968 Dec 15 j 17:17	30°♄		evening set	-11967 Nov 18 j 04:41	17°♄29'56	
min. Earth dist.	-11968 Dec 17 j 04:51	28°♄59'10	0.57468 AU	inferior conj	-11967 Nov 25 j 17:28	12°♄53'24	4°14'54
morning rise	-11968 Dec 22 j 09:55	26°♄05'09		minimum elong	-11967 Nov 25 j 16:02	12°♄56'17	4°15'04
direct	-11968 Dec 27 j 18:23	24°♄58'13		min. Earth dist.	-11967 Nov 28 j 22:29	10°♄20'04	0.59211 AU
desc. node	-11967 Jan 05 j 04:19	27°♄39'48		morning rise	-11967 Dec 03 j 01:35	7°♄35'40	
	-11967 Jan 08 j 09:58	0°♄		direct	-11967 Dec 09 j 11:30	5°♄50'39	
morning max el	-11967 Jan 10 j 18:40	2°♄06'03	25°13'18	desc. node	-11967 Dec 23 j 00:57	12°♄42'17	
	-11967 Jan 30 j 08:23	0°♄		morning max el	-11967 Dec 23 j 12:36	13°♄09'50	26°30'48
morning set	-11967 Feb 06 j 13:13	14°♄18'02			-11966 Jan 05 j 21:56	0°♄	
				morning set	-11966 Jan 22 j 00:25	29°♄19'59	
superior conj	-11967 Feb 13 j 12:32	29°♄18'48	-0°06'06		-11966 Jan 22 j 08:04	0°♄	
minimum elong	-11967 Feb 13 j 12:49	29°♄20'18	0°06'38				
behind sun begin	-11967 Feb 13 j 08:12	28°♄55'15		superior conj	-11966 Jan 29 j 00:12	14°♄23'02	-0°28'32
behind sun end	-11967 Feb 13 j 17:26	29°♄45'21		minimum elong	-11966 Jan 29 j 01:20	14°♄29'13	0°28'47
	-11967 Feb 13 j 20:08	0°♄		max. Earth dist.	-11966 Jan 29 j 03:16	14°♄39'48	1.32799 AU
asc. node	-11967 Feb 14 j 03:55	0°♄42'16		asc. node	-11966 Feb 01 j 01:11	21°♄00'18	
max. Earth dist.	-11967 Feb 14 j 14:12	1°♄37'58	1.33066 AU	evening rise	-11966 Feb 05 j 02:38	29°♄37'54	
evening rise	-11967 Feb 20 j 19:41	14°♄47'47			-11966 Feb 05 j 06:54	0°♄	
	-11967 Feb 28 j 16:55	0°♄			-11966 Feb 22 j 00:51	0°♄	
	-11967 Mar 20 j 23:54	0°♄		evening max el	-11966 Mar 06 j 14:27	15°♄32'51	26°31'09
evening max el	-11967 Mar 24 j 12:23	3°♄40'53	27°15'16	retrograde	-11966 Mar 20 j 17:37	22°♄56'12	
desc. node	-11967 Apr 03 j 04:52	10°♄23'16		desc. node	-11966 Mar 21 j 01:58	22°♄55'53	
retrograde	-11967 Apr 07 j 12:35	11°♄12'36		evening set	-11966 Mar 26 j 19:32	21°♄21'15	
evening set	-11967 Apr 14 j 05:51	9°♄03'47		min. Earth dist.	-11966 Mar 31 j 03:54	18°♄30'38	0.59469 AU
min. Earth dist.	-11967 Apr 18 j 00:56	6°♄08'13	0.61456 AU	inferior conj	-11966 Apr 03 j 12:02	15°♄50'17	-2°51'31
inferior conj	-11967 Apr 21 j 04:46	3°♄13'51	-3°20'12	minimum elong	-11966 Apr 03 j 08:59	15°♄56'27	2°51'39
minimum elong	-11967 Apr 21 j 03:24	3°♄17'00	3°20'42	morning rise	-11966 Apr 11 j 01:15	11°♄12'58	
	-11967 Apr 25 j 00:22	30°♄		direct	-11966 Apr 13 j 11:02	10°♄51'38	
morning rise	-11967 Apr 28 j 02:50	28°♄16'47		morning max el	-11966 Apr 20 j 23:14	14°♄29'47	18°21'47
direct	-11967 Apr 30 j 17:02	27°♄47'38		asc. node	-11966 Apr 30 j 00:23	27°♄05'36	
	-11967 May 06 j 03:50	0°♄			-11966 May 01 j 16:03	0°♄	
morning max el	-11967 May 07 j 12:16	1°♄11'44	18°04'01	morning set	-11966 May 07 j 01:42	10°♄01'35	
asc. node	-11967 May 13 j 03:31	8°♄20'55					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-11966 May 16 j 17:17	28° \approx 05'04	1°45'55	asc. node	-11965 Apr 16 j 21:19	16° \approx 21'47	
minimum elong	-11966 May 16 j 15:25	27° \approx 56'33	1°45'26	morning set	-11965 Apr 20 j 19:00	23° \approx 52'51	
	-11966 May 17 j 18:37	0° \approx			-11965 Apr 23 j 21:43	0° \approx	
max. Earth dist.	-11966 May 24 j 00:54	11° \approx 02'25	1.40411 AU				
evening rise	-11966 May 28 j 23:33	19° \approx 22'02		superior conj	-11965 Apr 29 j 11:54	10° \approx 52'01	1°33'40
	-11966 Jun 04 j 14:04	0° \approx		minimum elong	-11965 Apr 29 j 08:56	10° \approx 37'51	1°32'52
desc. node	-11966 Jun 16 j 23:27	18° \approx 34'22		max. Earth dist.	-11965 May 06 j 01:18	23° \approx 03'07	1.38539 AU
	-11966 Jun 25 j 10:01	0° \approx			-11965 May 09 j 23:35	0° \approx	
evening max el	-11966 Jul 02 j 07:23	7° \approx 57'13	23°05'01	evening rise	-11965 May 10 j 03:03	0° \approx 14'59	
retrograde	-11966 Jul 12 j 09:33	13° \approx 56'41			-11965 May 28 j 21:30	0° \approx	
evening set	-11966 Jul 17 j 08:01	11° \approx 51'37		desc. node	-11965 Jun 03 j 20:56	8° \approx 19'12	
inferior conj	-11966 Jul 22 j 13:08	5° \approx 37'15	-1°22'02	evening max el	-11965 Jun 14 j 17:51	21° \approx 18'03	24°27'03
minimum elong	-11966 Jul 22 j 14:43	5° \approx 31'47	1°21'05	retrograde	-11965 Jun 25 j 23:29	27° \approx 56'26	
min. Earth dist.	-11966 Jul 22 j 09:31	5° \approx 49'46	0.67236 AU	evening set	-11965 Jul 01 j 12:46	25° \approx 31'30	
asc. node	-11966 Jul 27 j 01:25	0° \approx 04'53		min. Earth dist.	-11965 Jul 06 j 03:55	20° \approx 06'18	0.67043 AU
	-11966 Jul 27 j 03:30	30° \approx 3'0		inferior conj	-11965 Jul 06 j 18:51	19° \approx 15'46	-2°03'28
morning rise	-11966 Jul 27 j 21:19	29° \approx 21'28		minimum elong	-11965 Jul 06 j 20:59	19° \approx 08'32	2°02'37
direct	-11966 Aug 01 j 04:19	27° \approx 39'49		morning rise	-11965 Jul 12 j 05:09	13° \approx 08'00	
	-11966 Aug 06 j 19:26	0° \approx		asc. node	-11965 Jul 13 j 22:14	12° \approx 09'03	
morning max el	-11966 Aug 10 j 05:57	3° \approx 06'19	21°47'47	direct	-11965 Jul 16 j 01:07	11° \approx 43'30	
	-11966 Aug 30 j 06:54	0° \approx		morning max el	-11965 Jul 24 j 02:13	16° \approx 28'47	20°33'11
morning set	-11966 Sep 10 j 20:57	17° \approx 50'36			-11965 Aug 03 j 14:36	0° \approx	
desc. node	-11966 Sep 12 j 20:42	21° \approx 01'07		morning set	-11965 Aug 21 j 01:59	26° \approx 24'02	
max. Earth dist.	-11966 Sep 17 j 22:27	29° \approx 17'01	1.41902 AU		-11965 Aug 23 j 09:19	0° \approx	
	-11966 Sep 18 j 08:49	0° \approx		desc. node	-11965 Aug 30 j 17:51	11° \approx 39'54	
				max. Earth dist.	-11965 Aug 31 j 07:58	12° \approx 36'38	1.43409 AU
superior conj	-11966 Sep 25 j 06:41	11° \approx 44'07	-1°09'37				
minimum elong	-11966 Sep 25 j 02:35	11° \approx 26'17	1°08'32	superior conj	-11965 Sep 06 j 02:04	22° \approx 00'06	-0°37'30
	-11966 Oct 05 j 11:24	0° \approx		minimum elong	-11965 Sep 05 j 22:38	21° \approx 45'54	0°36'24
evening rise	-11966 Oct 06 j 02:42	1° \approx 10'02			-11965 Sep 10 j 20:47	0° \approx	
evening max el	-11966 Oct 22 j 10:52	27° \approx 07'58	18°09'19	evening rise	-11965 Sep 18 j 17:20	13° \approx 31'31	
asc. node	-11966 Oct 23 j 00:57	27° \approx 04'43			-11965 Sep 28 j 08:32	0° \approx	
	-11966 Oct 26 j 08:26	0° \approx		evening max el	-11965 Oct 05 j 23:49	10° \approx 25'26	18°09'30
retrograde	-11966 Oct 29 j 10:09	0° \approx 42'25		asc. node	-11965 Oct 09 j 22:10	13° \approx 02'103	
evening set	-11966 Oct 31 j 22:23	0° \approx 15'07		retrograde	-11965 Oct 12 j 15:19	13° \approx 05'05	
	-11966 Nov 01 j 13:36	30° \approx 8'0		evening set	-11965 Oct 15 j 06:22	13° \approx 02'349	
inferior conj	-11966 Nov 07 j 22:51	25° \approx 01'03	3°52'34	inferior conj	-11965 Oct 21 j 19:33	8° \approx 05'42	3°14'22
minimum elong	-11966 Nov 07 j 19:27	25° \approx 02'452	3°52'27	minimum elong	-11965 Oct 21 j 15:44	8° \approx 15'36	3°13'59
min. Earth dist.	-11966 Nov 10 j 22:44	22° \approx 03'249	0.61063 AU	min. Earth dist.	-11965 Oct 24 j 08:16	5° \approx 02'845	0.62793 AU
morning rise	-11966 Nov 14 j 15:13	19° \approx 04'051		morning rise	-11965 Oct 28 j 00:10	2° \approx 013'34	
direct	-11966 Nov 21 j 14:30	17° \approx 02'328			-11965 Nov 01 j 07:09	30° \approx 8'0	
morning max el	-11966 Dec 05 j 12:36	24° \approx 04'915	27°19'40	direct	-11965 Nov 04 j 01:22	29° \approx 36'24	
desc. node	-11966 Dec 09 j 21:35	29° \approx 02'752			-11965 Nov 06 j 22:04	0° \approx	
	-11966 Dec 10 j 08:37	0° \approx		morning max el	-11965 Nov 17 j 18:27	7° \approx 07'00	27°34'18
	-11966 Dec 30 j 02:26	0° \approx		desc. node	-11965 Nov 26 j 18:14	17° \approx 02'748	
morning set	-11965 Jan 06 j 08:20	14° \approx 10'18			-11965 Dec 05 j 10:51	0° \approx	
max. Earth dist.	-11965 Jan 12 j 16:08	27° \approx 03'810	1.32862 AU	morning set	-11965 Dec 21 j 10:44	28° \approx 14'09	
					-11965 Dec 22 j 02:19	0° \approx	
superior conj	-11965 Jan 13 j 11:58	29° \approx 02'610	-0°49'17	max. Earth dist.	-11965 Dec 27 j 01:05	10° \approx 02'013	1.33278 AU
minimum elong	-11965 Jan 13 j 13:43	29° \approx 03'544	0°49'19				
	-11965 Jan 13 j 18:10	0° \approx		superior conj	-11965 Dec 28 j 22:07	14° \approx 02'156	-1°07'38
asc. node	-11965 Jan 18 j 22:30	11° \approx 03'39		minimum elong	-11965 Dec 29 j 00:10	14° \approx 03'303	1°07'29
evening rise	-11965 Jan 20 j 12:37	14° \approx 03'515		evening rise	-11964 Jan 04 j 23:50	29° \approx 03'315	
	-11965 Jan 28 j 08:37	0° \approx			-11964 Jan 05 j 04:56	0° \approx	
evening max el	-11965 Feb 16 j 11:14	26° \approx 04'949	25°19'11	asc. node	-11964 Jan 05 j 19:50	1° \approx 17'42	
	-11965 Feb 20 j 05:14	0° \approx			-11964 Jan 22 j 09:28	0° \approx	
retrograde	-11965 Mar 02 j 12:00	3° \approx 05'651		evening max el	-11964 Jan 29 j 04:37	7° \approx 04'410	23°49'34
evening set	-11965 Mar 07 j 14:28	2° \approx 05'554		retrograde	-11964 Feb 11 j 17:46	14° \approx 02'349	
desc. node	-11965 Mar 07 j 22:58	2° \approx 04'721		evening set	-11964 Feb 15 j 18:39	13° \approx 04'752	
	-11965 Mar 12 j 22:55	30° \approx 8'0		min. Earth dist.	-11964 Feb 22 j 17:39	10° \approx 02'903	0.56192 AU
min. Earth dist.	-11965 Mar 13 j 00:47	29° \approx 05'653	0.57609 AU	desc. node	-11964 Feb 22 j 19:53	10° \approx 02'540	
inferior conj	-11965 Mar 16 j 00:39	27° \approx 05'228	-1°54'52	inferior conj	-11964 Feb 24 j 17:36	9° \approx 01'548	-0°28'56
minimum elong	-11965 Mar 15 j 21:11	27° \approx 05'831	1°54'40	minimum elong	-11964 Feb 24 j 16:25	9° \approx 01'736	0°29'12
morning rise	-11965 Mar 24 j 07:07	23° \approx 03'333		morning rise	-11964 Mar 04 j 16:44	5° \approx 01'013	
direct	-11965 Mar 26 j 12:52	23° \approx 01'808		direct	-11964 Mar 06 j 20:49	4° \approx 05'759	
morning max el	-11965 Apr 04 j 04:28	27° \approx 02'444	18°59'10	morning max el	-11964 Mar 17 j 00:59	9° \approx 04'646	19°56'20
	-11965 Apr 06 j 14:27	0° \approx			-11964 Mar 30 j 16:16	0° \approx	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

asc. node	-11964 Apr 02 j 18:16	6° Z 01'15				-11963 Mar 06 j 11:34	0° Z	
morning set	-11964 Apr 03 j 20:45	8° Z 13'59		morning set		-11963 Mar 19 j 04:14	22° Z 57'10	
				asc. node		-11963 Mar 20 j 15:16	25° Z 58'13	
superior conj	-11964 Apr 11 j 21:10	24° Z 26'14	1°15'34			-11963 Mar 22 j 13:42	0° Z	
minimum elong	-11964 Apr 11 j 18:14	24° Z 11'37	1°14'33					
	-11964 Apr 14 j 16:58	0° \approx		superior conj		-11963 Mar 26 j 17:00	8° Z 36'10	0°54'05
max. Earth dist.	-11964 Apr 17 j 04:28	4° \approx 45'53	1.36779 AU	minimum elong		-11963 Mar 26 j 14:44	8° Z 24'29	0°53'02
evening rise	-11964 Apr 21 j 06:54	12° \approx 22'56		max. Earth dist.		-11963 Mar 30 j 15:40	16° Z 36'31	1.35297 AU
	-11964 May 01 j 13:24	0° X		evening rise		-11963 Apr 04 j 05:30	25° Z 30'35	
desc. node	-11964 May 20 j 18:25	27° X 32'28				-11963 Apr 06 j 15:15	0° \approx	
	-11964 May 22 j 19:57	0° Y				-11963 Apr 24 j 23:50	0° X	
evening max el	-11964 May 27 j 03:30	4° Y 39'51	25°42'22	desc. node		-11963 May 07 j 15:48	16° X 01'17	
retrograde	-11964 Jun 08 j 09:10	11° Y 48'30		evening max el		-11963 May 09 j 13:53	17° X 59'33	26°42'17
evening set	-11964 Jun 14 j 12:35	9° Y 08'19		retrograde		-11963 May 22 j 14:11	25° X 26'49	
min. Earth dist.	-11964 Jun 18 j 18:35	4° Y 22'12	0.66497 AU	evening set		-11963 May 29 j 05:06	22° X 39'41	
inferior conj	-11964 Jun 19 j 22:04	2° Y 53'13	-2°38'41	min. Earth dist.		-11963 Jun 02 j 03:25	18° X 32'33	0.65565 AU
minimum elong	-11964 Jun 20 j 00:23	2° Y 45'42	2°38'07	inferior conj		-11963 Jun 03 j 20:47	16° X 27'16	-3°05'59
	-11964 Jun 22 j 05:43	30° R X		minimum elong		-11963 Jun 03 j 22:48	16° X 21'07	3°05'51
morning rise	-11964 Jun 25 j 12:14	26° X 56'35		morning rise		-11963 Jun 09 j 16:45	10° X 44'26	
direct	-11964 Jun 28 j 23:00	25° X 47'34		direct		-11963 Jun 12 j 20:06	9° X 48'51	
asc. node	-11964 Jun 29 j 19:01	25° X 51'28		asc. node		-11963 Jun 16 j 15:46	11° X 06'13	
morning max el	-11964 Jul 06 j 05:02	29° X 58'05	19°31'00	morning max el		-11963 Jun 19 j 13:34	13° X 33'26	18°44'05
	-11964 Jul 06 j 05:47	0° Y				-11963 Jul 01 j 08:30	0° Y	
	-11964 Jul 27 j 02:56	0° Z		morning set		-11963 Jul 10 j 08:40	14° Y 32'00	
morning set	-11964 Jul 30 j 08:08	5° Z 02'25				-11963 Jul 19 j 23:42	0° Z	
max. Earth dist.	-11964 Aug 12 j 22:35	26° Z 28'12	1.44338 AU					
	-11964 Aug 15 j 03:49	0° II		superior conj		-11963 Jul 25 j 19:00	9° Z 13'01	0°49'59
superior conj	-11964 Aug 15 j 18:23	0° II 58'06	0°05'10	minimum elong		-11963 Jul 26 j 00:35	9° Z 35'08	0°49'46
minimum elong	-11964 Aug 15 j 19:04	1° II 00'48	0°05'41	max. Earth dist.		-11963 Jul 26 j 15:09	10° Z 32'43	1.44579 AU
behind sun begin	-11964 Aug 15 j 08:33	0° II 18'49		desc. node		-11963 Aug 03 j 12:26	23° Z 01'15	
behind sun end	-11964 Aug 16 j 05:34	1° II 42'49				-11963 Aug 07 j 22:03	0° II	
desc. node	-11964 Aug 16 j 15:06	2° II 20'54		evening rise		-11963 Aug 11 j 01:47	5° II 01'06	
evening rise	-11964 Aug 30 j 10:43	24° II 52'51				-11963 Aug 27 j 03:46	0° III	
	-11964 Sep 02 j 12:41	0° III		evening max el		-11963 Sep 02 j 00:45	7° III 21'05	19°03'45
evening max el	-11964 Sep 18 j 13:22	23° III 51'21	18°27'59	retrograde		-11963 Sep 08 j 23:09	11° III 16'58	
retrograde	-11964 Sep 25 j 04:48	27° III 31'22		evening set		-11963 Sep 12 j 02:29	10° III 20'26	
asc. node	-11964 Sep 25 j 19:18	27° III 29'21		asc. node		-11963 Sep 12 j 16:23	9° III 57'54	
evening set	-11964 Sep 28 j 00:50	26° III 47'32		inferior conj		-11963 Sep 17 j 21:33	4° III 31'40	1°36'10
inferior conj	-11964 Oct 04 j 04:07	21° III 12'25	2°27'22	minimum elong		-11963 Sep 17 j 19:21	4° III 38'30	1°36'03
minimum elong	-11964 Oct 04 j 00:53	21° III 21'44	2°26'58	min. Earth dist.		-11963 Sep 19 j 09:00	2° III 41'38	0.65454 AU
min. Earth dist.	-11964 Oct 06 j 04:02	18° III 55'11	0.64270 AU			-11963 Sep 21 j 16:56	30° R II	
morning rise	-11964 Oct 10 j 00:16	15° III 07'16		morning rise		-11963 Sep 23 j 11:46	28° II 17'13	
direct	-11964 Oct 16 j 19:10	12° III 23'32		direct		-11963 Sep 29 j 19:30	25° II 37'49	
morning max el	-11964 Oct 30 j 03:53	19° III 55'25	27°15'18			-11963 Oct 09 j 06:11	0° III	
	-11964 Nov 07 j 22:45	0° I		morning max el		-11963 Oct 12 j 14:17	3° III 02'17	26°27'37
desc. node	-11964 Nov 12 j 14:55	6° I 20'33		desc. node		-11963 Oct 30 j 11:37	25° III 50'42	
	-11964 Nov 27 j 09:29	0° II				-11963 Nov 02 j 05:07	0° I	
morning set	-11964 Dec 04 j 04:50	12° II 43'18		morning set		-11963 Nov 17 j 10:55	26° I 04'54	
max. Earth dist.	-11964 Dec 09 j 02:29	22° II 35'13	1.34083 AU			-11963 Nov 19 j 12:23	0° II	
				max. Earth dist.		-11963 Nov 21 j 17:19	4° II 17'53	1.35319 AU
superior conj	-11964 Dec 12 j 04:47	29° II 03'47	-1°22'40	superior conj		-11963 Nov 26 j 05:40	13° II 23'48	-1°33'20
minimum elong	-11964 Dec 12 j 06:44	29° II 14'09	1°22'26	minimum elong		-11963 Nov 26 j 07:01	13° II 30'45	1°33'01
	-11964 Dec 12 j 15:24	0° III		evening rise		-11963 Dec 03 j 19:21	29° II 06'49	
evening rise	-11964 Dec 19 j 10:39	14° III 25'53				-11963 Dec 04 j 05:42	0° III	
asc. node	-11964 Dec 22 j 17:10	21° III 07'15		asc. node		-11963 Dec 09 j 14:32	10° III 35'34	
	-11964 Dec 27 j 09:49	0° III		evening max el		-11963 Dec 23 j 01:05	29° III 54'32	20°49'44
evening max el	-11963 Jan 09 j 23:26	18° III 38'40	22°15'46			-11963 Dec 23 j 03:26	0° III	
retrograde	-11963 Jan 22 j 12:40	24° III 38'30		retrograde		-11962 Jan 03 j 03:22	5° III 07'02	
evening set	-11963 Jan 25 j 17:14	24° III 16'03		evening set		-11962 Jan 05 j 20:53	4° III 49'22	
inferior conj	-11963 Feb 03 j 19:24	20° III 08'13	1°14'45	inferior conj		-11962 Jan 14 j 17:01	0° III 50'27	2°50'25
minimum elong	-11963 Feb 03 j 22:33	20° III 03'43	1°13'16	minimum elong		-11962 Jan 14 j 22:47	0° III 42'02	2°48'39
min. Earth dist.	-11963 Feb 03 j 08:29	20° III 23'51	0.55489 AU	min. Earth dist.		-11962 Jan 15 j 22:20	0° III 07'41	0.55652 AU
desc. node	-11963 Feb 08 j 16:42	17° III 32'25				-11962 Jan 16 j 03:38	30° R I	
morning rise	-11963 Feb 13 j 04:38	16° III 03'55		morning rise		-11962 Jan 23 j 23:24	26° I 31'33	
direct	-11963 Feb 15 j 14:50	15° III 50'24		desc. node		-11962 Jan 26 j 13:26	26° I 08'59	
morning max el	-11963 Feb 27 j 10:43	21° III 30'03	21°12'18	direct		-11962 Jan 27 j 05:59	26° I 07'55	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-11962 Feb 06 j 09:00	0°♌		desc. node	-11961 Jan 13 j 10:07	7°♑21'10	
morning max el	-11962 Feb 09 j 09:29	2°♌34'37	22°43'13	morning max el	-11961 Jan 22 j 01:01	13°♑16'11	24°20'09
	-11962 Feb 27 j 17:45	0°♌			-11961 Feb 03 j 22:30	0°♌	
morning set	-11962 Mar 03 j 15:08	7°♌54'01		morning set	-11961 Feb 16 j 03:33	22°♌57'44	
asc. node	-11962 Mar 07 j 12:22	16°♌06'40			-11961 Feb 19 j 10:50	0°♌	
				asc. node	-11961 Feb 22 j 09:32	6°♌21'59	
superior conj	-11962 Mar 10 j 20:07	23°♌10'50	0°30'55				
minimum elong	-11962 Mar 10 j 18:48	23°♌03'54	0°30'00	superior conj	-11961 Feb 23 j 04:03	8°♌01'57	0°07'20
max. Earth dist.	-11962 Mar 13 j 12:58	28°♌51'08	1.34160 AU	minimum elong	-11961 Feb 23 j 03:46	8°♌00'24	0°06'39
	-11962 Mar 14 j 02:16	0°♌		behind sun begin	-11961 Feb 22 j 23:05	7°♌35'10	
evening rise	-11962 Mar 18 j 17:39	9°♌21'36		behind sun end	-11961 Feb 23 j 08:27	8°♌25'38	
	-11962 Mar 30 j 02:25	0°♌		max. Earth dist.	-11961 Feb 24 j 19:03	11°♌31'29	1.33372 AU
	-11962 Apr 20 j 21:17	0°♌		evening rise	-11961 Mar 02 j 15:22	23°♌43'05	
evening max el	-11962 Apr 22 j 00:38	1°♌08'30	27°18'58		-11961 Mar 05 j 19:43	0°♌	
desc. node	-11962 Apr 24 j 13:07	3°♌27'11			-11961 Mar 23 j 19:33	0°♌	
retrograde	-11962 May 05 j 13:50	8°♌43'11		evening max el	-11961 Apr 04 j 09:54	13°♌55'18	27°26'06
evening set	-11962 May 12 j 11:30	6°♌00'55		desc. node	-11961 Apr 11 j 10:21	19°♌24'50	
min. Earth dist.	-11962 May 16 j 04:38	2°♌28'50	0.64234 AU	retrograde	-11961 Apr 18 j 07:08	21°♌29'01	
	-11962 May 18 j 10:20	30°♌		evening set	-11961 Apr 25 j 04:30	19°♌04'50	
inferior conj	-11962 May 18 j 12:32	29°♌53'53	-3°23'03	min. Earth dist.	-11961 Apr 28 j 20:57	15°♌59'19	0.62547 AU
minimum elong	-11962 May 18 j 13:42	29°♌50'39	3°23'20	inferior conj	-11961 May 01 j 18:26	13°♌07'10	-3°26'25
morning rise	-11962 May 24 j 16:33	24°♌27'06		minimum elong	-11961 May 01 j 18:07	13°♌07'57	3°26'55
direct	-11962 May 27 j 14:01	23°♌43'00		morning rise	-11961 May 08 j 09:04	7°♌58'30	
morning max el	-11962 Jun 03 j 01:55	27°♌11'16	18°14'11	direct	-11961 May 11 j 01:48	7°♌24'12	
asc. node	-11962 Jun 03 j 12:32	27°♌38'31		morning max el	-11961 May 17 j 15:48	10°♌46'31	18°02'20
	-11962 Jun 05 j 13:22	0°♌		asc. node	-11961 May 21 j 09:21	15°♌12'33	
morning set	-11962 Jun 21 j 10:25	25°♌11'28			-11961 May 30 j 13:05	0°♌	
	-11962 Jun 24 j 06:52	0°♌		morning set	-11961 Jun 03 j 11:48	6°♌58'06	
superior conj	-11962 Jul 05 j 01:46	17°♌47'25	1°25'24	superior conj	-11961 Jun 15 j 07:31	27°♌29'03	1°44'53
minimum elong	-11962 Jul 05 j 07:59	18°♌12'33	1°25'06	minimum elong	-11961 Jun 15 j 10:27	27°♌41'25	1°44'42
max. Earth dist.	-11962 Jul 09 j 06:32	24°♌32'00	1.44119 AU		-11961 Jun 16 j 19:30	0°♌	
	-11962 Jul 12 j 17:10	0°♌		max. Earth dist.	-11961 Jun 21 j 18:30	8°♌10'27	1.43030 AU
desc. node	-11962 Jul 21 j 09:50	13°♌37'41		evening rise	-11961 Jun 30 j 14:52	22°♌16'25	
evening rise	-11962 Jul 21 j 14:45	13°♌56'46			-11961 Jul 05 j 14:43	0°♌	
	-11962 Aug 01 j 00:50	0°♌		desc. node	-11961 Jul 08 j 07:18	4°♌06'08	
greatest brilliancy	-11962 Aug 03 j 04:09	3°♌13'42	-0.7m		-11961 Jul 26 j 13:08	0°♌	
evening max el	-11962 Aug 16 j 07:32	20°♌50'44	19°55'32	evening max el	-11961 Jul 30 j 07:49	4°♌16'34	21°01'24
retrograde	-11962 Aug 23 j 19:37	25°♌11'16		retrograde	-11961 Aug 07 j 16:05	9°♌10'33	
evening set	-11962 Aug 27 j 08:36	23°♌58'37		evening set	-11961 Aug 11 j 16:51	7°♌38'39	
asc. node	-11962 Aug 30 j 13:22	20°♌55'57		inferior conj	-11961 Aug 17 j 00:59	1°♌31'29	-0°07'21
inferior conj	-11962 Sep 01 j 21:15	17°♌59'16	0°43'54	minimum elong	-11961 Aug 17 j 01:08	1°♌31'00	0°06'41
minimum elong	-11962 Sep 01 j 20:14	18°♌02'34	0°44'10	transit middle	-11961 Aug 17 j 01:08	1°♌31'00	0°06'41
min. Earth dist.	-11962 Sep 02 j 21:07	16°♌40'46	0.66337 AU	transit begin	-11961 Aug 16 j 22:39	1°♌39'28	
morning rise	-11962 Sep 07 j 07:36	11°♌39'36		transit end	-11961 Aug 17 j 03:37	1°♌22'31	
direct	-11962 Sep 13 j 01:43	9°♌12'24		asc. node	-11961 Aug 17 j 10:19	0°♌59'37	
morning max el	-11962 Sep 25 j 00:07	16°♌16'29	25°19'05	min. Earth dist.	-11961 Aug 17 j 14:00	0°♌47'05	0.66922 AU
	-11962 Oct 06 j 10:57	0°♌			-11961 Aug 18 j 03:55	30°♌	
desc. node	-11962 Oct 17 j 08:25	15°♌47'41		morning rise	-11961 Aug 22 j 09:14	25°♌10'34	
	-11962 Oct 26 j 02:47	0°♌		direct	-11961 Aug 27 j 13:04	23°♌00'11	
morning set	-11962 Oct 31 j 00:23	8°♌32'52		morning max el	-11961 Sep 07 j 09:56	29°♌31'21	23°58'30
max. Earth dist.	-11962 Nov 03 j 21:45	15°♌39'57	1.36969 AU		-11961 Sep 07 j 21:06	0°♌	
					-11961 Sep 30 j 07:47	0°♌	
superior conj	-11962 Nov 09 j 21:55	27°♌13'35	-1°38'07	desc. node	-11961 Oct 04 j 05:19	6°♌02'53	
minimum elong	-11962 Nov 09 j 22:05	27°♌14'24	1°37'43	morning set	-11961 Oct 12 j 15:49	19°♌52'26	
	-11962 Nov 11 j 07:25	0°♌		max. Earth dist.	-11961 Oct 16 j 20:50	27°♌10'45	1.38897 AU
evening rise	-11962 Nov 18 j 00:05	13°♌30'49			-11961 Oct 18 j 10:48	0°♌	
asc. node	-11962 Nov 26 j 11:53	29°♌34'55					
	-11962 Nov 26 j 17:49	0°♌		superior conj	-11961 Oct 24 j 01:41	10°♌21'25	-1°35'12
evening max el	-11962 Dec 05 j 12:41	11°♌43'28	19°39'19	minimum elong	-11961 Oct 24 j 00:07	10°♌14'03	1°34'36
retrograde	-11962 Dec 15 j 01:15	16°♌12'53		evening rise	-11961 Nov 01 j 22:32	27°♌31'20	
evening set	-11962 Dec 17 j 14:38	15°♌54'56			-11961 Nov 03 j 05:05	0°♌	
inferior conj	-11962 Dec 25 j 23:32	11°♌48'30	3°53'24	asc. node	-11961 Nov 13 j 09:13	17°♌55'38	
minimum elong	-11962 Dec 26 j 03:43	11°♌41'46	3°52'42	evening max el	-11961 Nov 18 j 10:17	24°♌05'30	18°48'20
min. Earth dist.	-11962 Dec 28 j 11:43	10°♌12'11	0.56632 AU	retrograde	-11961 Nov 26 j 15:33	28°♌04'00	
morning rise	-11961 Jan 03 j 14:40	7°♌06'29		evening set	-11961 Nov 29 j 03:21	27°♌43'33	
direct	-11961 Jan 08 j 05:00	6°♌18'48		inferior conj	-11961 Dec 06 j 23:24	23°♌18'56	4°16'45

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-11961 Dec 06 j 23:52	23° \mathbb{M} 18'04	4°16'51	minimum elong	-11960 Nov 17 j 16:07	5° \mathbb{M} 30'14	4°08'01
min. Earth dist.	-11961 Dec 10 j 02:28	21° \mathbb{M} 01'26	0.58185 AU	min. Earth dist.	-11960 Nov 20 j 22:18	2° \mathbb{M} 44'43	0.60003 AU
morning rise	-11961 Dec 14 j 18:28	18° \mathbb{M} 13'40		morning rise	-11960 Nov 24 j 19:28	29° \mathbb{Q} 58'56	
direct	-11961 Dec 20 j 15:19	16° \mathbb{M} 50'34			-11960 Nov 24 j 18:45	30° \mathbb{R} \mathbb{Q}	
desc. node	-11961 Dec 31 j 06:47	21° \mathbb{M} 07'41		direct	-11960 Dec 01 j 12:28	27° \mathbb{Q} 59'16	
morning max el	-11960 Jan 03 j 16:14	24° \mathbb{M} 03'19	25°49'13		-11960 Dec 08 j 12:45	0° \mathbb{M}	
	-11960 Jan 09 j 02:44	0° \mathbb{L}		morning max el	-11960 Dec 15 j 12:43	5° \mathbb{M} 21'06	26°55'45
	-11960 Jan 27 j 17:11	0° \mathbb{M}		desc. node	-11960 Dec 17 j 03:27	6° \mathbb{M} 57'44	
morning set	-11960 Jan 31 j 15:42	8° \mathbb{M} 02'03			-11959 Jan 02 j 21:26	0° \mathbb{L}	
				morning set	-11959 Jan 15 j 01:44	22° \mathbb{L} 59'40	
superior conj	-11960 Feb 07 j 14:51	23° \mathbb{M} 02'49	-0°15'47		-11959 Jan 18 j 09:07	0° \mathbb{M}	
minimum elong	-11960 Feb 07 j 15:31	23° \mathbb{M} 06'26	0°16'11	superior conj	-11959 Jan 22 j 02:42	8° \mathbb{M} 06'44	-0°37'36
max. Earth dist.	-11960 Feb 08 j 06:47	24° \mathbb{M} 29'39	1.32913 AU	minimum elong	-11959 Jan 22 j 04:08	8° \mathbb{M} 14'32	0°37'45
asc. node	-11960 Feb 09 j 06:46	26° \mathbb{M} 40'00		max. Earth dist.	-11959 Jan 21 j 20:20	7° \mathbb{M} 31'58	1.32782 AU
	-11960 Feb 10 j 19:49	0° \mathbb{X}		asc. node	-11959 Jan 26 j 04:02	16° \mathbb{M} 56'11	
evening rise	-11960 Feb 14 j 19:38	8° \mathbb{X} 25'00		evening rise	-11959 Jan 29 j 04:03	23° \mathbb{M} 18'30	
	-11960 Feb 26 j 06:50	0° \mathbb{Z}			-11959 Feb 01 j 10:47	0° \mathbb{X}	
evening max el	-11960 Mar 16 j 15:13	26° \mathbb{Z} 09'10	27°00'27		-11959 Feb 19 j 17:14	0° \mathbb{Z}	
	-11960 Mar 21 j 04:45	0° \mathbb{X}		evening max el	-11959 Feb 26 j 14:46	7° \mathbb{Z} 44'21	26°03'27
desc. node	-11960 Mar 28 j 07:31	3° \mathbb{X} 22'14		retrograde	-11959 Mar 12 j 17:25	15° \mathbb{Z} 02'04	
retrograde	-11960 Mar 30 j 16:49	3° \mathbb{X} 37'10		desc. node	-11959 Mar 15 j 04:36	14° \mathbb{Z} 46'56	
evening set	-11960 Apr 06 j 04:51	1° \mathbb{X} 42'14		evening set	-11959 Mar 18 j 10:23	13° \mathbb{Z} 41'50	
	-11960 Apr 08 j 17:28	30° \mathbb{R} \mathbb{Z}		min. Earth dist.	-11959 Mar 23 j 04:02	10° \mathbb{Z} 49'29	0.58640 AU
min. Earth dist.	-11960 Apr 10 j 04:16	28° \mathbb{Z} 50'40	0.60613 AU	inferior conj	-11959 Mar 26 j 10:39	8° \mathbb{Z} 21'51	-2°31'10
inferior conj	-11960 Apr 13 j 11:03	25° \mathbb{Z} 59'46	-3°11'10	minimum elong	-11959 Mar 26 j 07:10	8° \mathbb{Z} 28'27	2°31'08
minimum elong	-11960 Apr 13 j 08:55	26° \mathbb{Z} 04'27	3°11'33	morning rise	-11959 Apr 03 j 07:04	3° \mathbb{Z} 53'04	
morning rise	-11960 Apr 20 j 15:11	21° \mathbb{Z} 10'53		direct	-11959 Apr 05 j 15:10	3° \mathbb{Z} 34'27	
direct	-11960 Apr 23 j 03:39	20° \mathbb{Z} 45'05		morning max el	-11959 Apr 13 j 13:34	7° \mathbb{Z} 22'28	18°35'24
morning max el	-11960 Apr 30 j 04:39	24° \mathbb{Z} 13'18	18°09'15	asc. node	-11959 Apr 24 j 03:04	22° \mathbb{Z} 33'33	
	-11960 May 04 j 22:09	0° \mathbb{X}			-11959 Apr 28 j 03:09	0° \mathbb{X}	
asc. node	-11960 May 07 j 06:12	3° \mathbb{X} 34'52		morning set	-11959 Apr 29 j 19:07	3° \mathbb{X} 11'13	
morning set	-11960 May 16 j 08:18	19° \mathbb{X} 42'11					
	-11960 May 21 j 22:28	0° \mathbb{X}		superior conj	-11959 May 09 j 00:11	20° \mathbb{X} 44'51	1°41'38
superior conj	-11960 May 26 j 16:20	8° \mathbb{X} 31'48	1°49'02	minimum elong	-11959 May 08 j 21:41	20° \mathbb{X} 33'13	1°41'02
minimum elong	-11960 May 26 j 15:48	8° \mathbb{X} 29'27	1°48'44		-11959 May 14 j 02:03	0° \mathbb{X}	
max. Earth dist.	-11960 Jun 03 j 01:18	21° \mathbb{X} 14'40	1.41455 AU	max. Earth dist.	-11959 May 16 j 02:37	3° \mathbb{X} 34'37	1.39610 AU
	-11960 Jun 08 j 08:49	0° \mathbb{Y}		evening rise	-11959 May 20 j 12:35	11° \mathbb{X} 09'40	
evening rise	-11960 Jun 09 j 01:08	1° \mathbb{Y} 05'54			-11959 Jun 01 j 06:30	0° \mathbb{Y}	
desc. node	-11960 Jun 24 j 04:47	24° \mathbb{Y} 22'34		desc. node	-11959 Jun 11 j 02:17	14° \mathbb{Y} 20'57	
	-11960 Jun 28 j 02:31	0° \mathbb{X}			-11959 Jun 23 j 14:43	0° \mathbb{X}	
evening max el	-11960 Jul 12 j 01:11	17° \mathbb{X} 38'20	22°17'56	evening max el	-11959 Jun 24 j 13:07	0° \mathbb{X} 57'37	23°40'04
retrograde	-11960 Jul 21 j 11:00	23° \mathbb{X} 12'55		retrograde	-11959 Jul 05 j 03:09	7° \mathbb{X} 14'45	
evening set	-11960 Jul 26 j 01:18	21° \mathbb{X} 19'49		evening set	-11959 Jul 10 j 07:58	5° \mathbb{X} 00'36	
inferior conj	-11960 Jul 31 j 06:54	15° \mathbb{X} 07'18	-0°55'52		-11959 Jul 14 j 15:21	30° \mathbb{R} \mathbb{Y}	
minimum elong	-11960 Jul 31 j 08:02	15° \mathbb{X} 03'25	0°54'58	min. Earth dist.	-11959 Jul 15 j 04:47	29° \mathbb{Y} 14'04	0.67196 AU
min. Earth dist.	-11960 Jul 31 j 09:21	14° \mathbb{X} 58'52	0.67215 AU	inferior conj	-11959 Jul 15 j 13:12	28° \mathbb{Y} 45'12	-1°40'16
asc. node	-11960 Aug 03 j 07:14	11° \mathbb{X} 09'19		minimum elong	-11959 Jul 15 j 15:03	28° \mathbb{Y} 38'49	1°39'20
morning rise	-11960 Aug 05 j 14:41	8° \mathbb{X} 48'49		morning rise	-11959 Jul 20 j 22:06	22° \mathbb{Y} 32'32	
direct	-11960 Aug 10 j 04:51	6° \mathbb{X} 56'54		asc. node	-11959 Jul 21 j 04:05	22° \mathbb{Y} 21'20	
morning max el	-11960 Aug 19 j 22:02	12° \mathbb{X} 47'29	22°34'31	direct	-11959 Jul 25 j 00:05	20° \mathbb{Y} 58'37	
	-11960 Sep 02 j 12:34	0° \mathbb{I}		morning max el	-11959 Aug 02 j 14:53	26° \mathbb{Y} 07'11	21°14'47
desc. node	-11960 Sep 20 j 02:19	26° \mathbb{I} 30'42			-11959 Aug 06 j 01:17	0° \mathbb{X}	
morning set	-11960 Sep 22 j 05:12	29° \mathbb{I} 55'27			-11959 Aug 27 j 01:24	0° \mathbb{I}	
	-11960 Sep 22 j 06:19	0° \mathbb{L}		morning set	-11959 Sep 01 j 18:43	8° \mathbb{I} 52'02	
max. Earth dist.	-11960 Sep 27 j 21:21	9° \mathbb{L} 18'50	1.40867 AU	desc. node	-11959 Sep 06 j 23:25	17° \mathbb{I} 06'44	
				max. Earth dist.	-11959 Sep 10 j 03:04	22° \mathbb{I} 13'09	1.42602 AU
superior conj	-11960 Oct 05 j 11:56	22° \mathbb{L} 33'39	-1°22'22		-11959 Sep 14 j 19:53	0° \mathbb{L}	
minimum elong	-11960 Oct 05 j 08:31	22° \mathbb{L} 18'23	1°21'27	superior conj	-11959 Sep 16 j 22:55	3° \mathbb{L} 35'34	-0°57'31
	-11960 Oct 09 j 14:06	0° \mathbb{Q}		minimum elong	-11959 Sep 16 j 18:43	3° \mathbb{L} 17'43	0°56'22
evening rise	-11960 Oct 15 j 11:50	11° \mathbb{Q} 01'20		evening rise	-11959 Sep 28 j 12:11	23° \mathbb{L} 51'42	
	-11960 Oct 26 j 05:41	0° \mathbb{M}			-11959 Oct 01 j 22:29	0° \mathbb{Q}	
asc. node	-11960 Oct 30 j 06:32	5° \mathbb{M} 25'46		evening max el	-11959 Oct 15 j 03:15	20° \mathbb{Q} 04'53	18°07'03
evening max el	-11960 Oct 31 j 16:03	6° \mathbb{M} 55'03	18°17'45	asc. node	-11959 Oct 17 j 03:47	21° \mathbb{Q} 50'41	
retrograde	-11960 Nov 07 j 23:44	10° \mathbb{M} 35'21		retrograde	-11959 Oct 21 j 22:27	23° \mathbb{Q} 37'48	
evening set	-11960 Nov 10 j 11:12	10° \mathbb{M} 11'06		evening set	-11959 Oct 24 j 11:28	23° \mathbb{Q} 07'58	
inferior conj	-11960 Nov 17 j 18:36	5° \mathbb{M} 24'56	4°07'57				

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

inferior conj	-11959 Oct 31 j 07:00	18°Ω01'05	3°37'51			-11958 Oct 15 j 06:38	30°℞☿	
minimum elong	-11959 Oct 31 j 03:16	18°Ω10'08	3°37'35	min. Earth dist.		-11958 Oct 16 j 16:38	28°☿28'24	0.63458 AU
min. Earth dist.	-11959 Nov 03 j 02:35	15°Ω17'48	0.61819 AU	morning rise		-11958 Oct 20 j 09:49	25°☿00'24	
morning rise	-11959 Nov 06 j 17:51	12°Ω17'25		direct		-11958 Oct 27 j 09:15	22°☿18'30	
direct	-11959 Nov 13 j 18:59	9°Ω49'54		morning max el		-11958 Nov 09 j 23:17	29°☿50'59	27°29'58
morning max el	-11959 Nov 27 j 15:41	17°Ω18'49	27°30'12			-11958 Nov 10 j 02:59	0°Ω	
desc. node	-11959 Dec 04 j 00:05	24°Ω18'36		desc. node		-11958 Nov 20 j 20:42	12°Ω43'24	
	-11959 Dec 08 j 08:44	0°♐				-11958 Dec 02 j 05:53	0°♐	
	-11959 Dec 26 j 10:30	0°♑		morning set		-11958 Dec 14 j 06:51	22°♐03'16	
morning set	-11959 Dec 30 j 07:37	7°♑43'22				-11958 Dec 18 j 04:21	0°♑	
max. Earth dist.	-11958 Jan 05 j 07:59	20°♑25'12	1.32989 AU	max. Earth dist.		-11958 Dec 19 j 13:53	2°♑55'41	1.33570 AU
superior conj	-11958 Jan 06 j 14:00	23°♑07'51	-0°57'26	superior conj		-11958 Dec 21 j 22:54	7°♑58'43	-1°14'29
minimum elong	-11958 Jan 06 j 15:55	23°♑18'19	0°57'22	minimum elong		-11958 Dec 22 j 00:58	8°♑09'49	1°14'18
	-11958 Jan 09 j 17:50	0°♒		evening rise		-11958 Dec 29 j 01:59	23°♑13'14	
asc. node	-11958 Jan 13 j 01:21	7°♒06'22		asc. node		-11958 Dec 30 j 22:42	27°♑04'57	
evening rise	-11958 Jan 13 j 14:46	8°♒17'00				-11957 Jan 01 j 09:19	0°♒	
	-11958 Jan 25 j 01:41	0°♓		evening max el		-11957 Jan 21 j 02:49	29°♒40'23	23°09'24
evening max el	-11958 Feb 08 j 09:25	18°♓48'41	24°42'26			-11957 Jan 21 j 11:16	0°♓	
retrograde	-11958 Feb 22 j 06:58	25°♓46'34		retrograde		-11957 Feb 03 j 07:43	6°♓04'17	
evening set	-11958 Feb 26 j 22:14	24°♓57'37		evening set		-11957 Feb 06 j 22:36	5°♓35'40	
desc. node	-11958 Mar 02 j 01:33	23°♓34'05		min. Earth dist.		-11957 Feb 14 j 15:07	2°♓04'21	0.55792 AU
min. Earth dist.	-11958 Mar 04 j 22:58	21°♓51'25	0.56929 AU	inferior conj		-11957 Feb 16 j 00:14	1°♓15'31	0°14'11
inferior conj	-11958 Mar 07 j 14:43	20°♓07'07	-1°21'40	minimum elong		-11957 Feb 16 j 00:49	1°♓14'40	0°13'25
minimum elong	-11958 Mar 07 j 11:51	20°♓11'50	1°21'32	transit middle		-11957 Feb 16 j 00:49	1°♓14'40	0°13'25
morning rise	-11958 Mar 16 j 04:40	15°♓55'08		transit begin		-11957 Feb 15 j 22:40	1°♓17'49	
direct	-11958 Mar 18 j 08:58	15°♓41'37		transit end		-11957 Feb 16 j 02:57	1°♓11'31	
morning max el	-11958 Mar 27 j 15:30	20°♓04'44	19°21'08	desc. node		-11957 Feb 16 j 22:24	0°♓42'57	
	-11958 Apr 04 j 07:23	0°♈				-11957 Feb 18 j 04:24	30°♒♒	
asc. node	-11958 Apr 10 j 23:59	12°♈00'04		morning rise		-11957 Feb 25 j 04:50	27°♒11'53	
morning set	-11958 Apr 13 j 16:19	17°♈15'31		direct		-11957 Feb 27 j 10:01	26°♒59'50	
	-11958 Apr 20 j 01:58	0°♉				-11957 Mar 07 j 17:14	0°♓	
superior conj	-11958 Apr 22 j 01:34	3°♉53'12	1°26'33	morning max el		-11957 Mar 10 j 07:33	2°♓10'30	20°26'28
minimum elong	-11958 Apr 21 j 22:30	3°♉38'19	1°25'38			-11957 Mar 27 j 23:43	0°♈	
max. Earth dist.	-11958 Apr 28 j 02:46	15°♉21'28	1.37758 AU	morning set		-11957 Mar 28 j 20:46	1°♈46'33	
evening rise	-11958 May 02 j 03:00	22°♉35'45		asc. node		-11957 Mar 28 j 20:57	1°♈47'30	
	-11958 May 06 j 09:45	0°♊		superior conj		-11957 Apr 05 j 15:43	17°♈43'29	1°06'45
	-11958 May 26 j 01:15	0°♋		minimum elong		-11957 Apr 05 j 13:01	17°♈29'47	1°05'41
desc. node	-11958 May 28 j 23:46	3°♋53'32		max. Earth dist.		-11957 Apr 10 j 08:42	27°♈03'52	1.36108 AU
evening max el	-11958 Jun 06 j 22:46	14°♋18'09	25°00'27			-11957 Apr 11 j 21:19	0°♉	
retrograde	-11958 Jun 18 j 15:32	21°♋11'36		evening rise		-11957 Apr 14 j 15:32	5°♉11'10	
evening set	-11958 Jun 24 j 10:54	18°♋39'26				-11957 Apr 29 j 06:14	0°♊	
min. Earth dist.	-11958 Jun 28 j 21:58	13°♋30'29	0.66848 AU	desc. node		-11957 May 15 j 21:11	22°♊49'47	
inferior conj	-11958 Jun 29 j 18:05	12°♋23'25	-2°19'17	evening max el		-11957 May 20 j 08:48	27°♊40'23	26°10'25
minimum elong	-11958 Jun 29 j 20:21	12°♋15'53	2°18'32			-11957 May 22 j 20:51	0°♋	
morning rise	-11958 Jul 05 j 05:47	6°♋19'53		retrograde		-11957 Jun 01 j 23:19	4°♋58'23	
asc. node	-11958 Jul 08 j 00:51	5°♋06'32		evening set		-11957 Jun 08 j 07:55	2°♋14'20	
direct	-11958 Jul 08 j 21:31	5°♋02'20				-11957 Jun 10 j 13:18	30°♒♋	
morning max el	-11958 Jul 16 j 13:57	9°♋32'23	20°04'59	min. Earth dist.		-11957 Jun 12 j 10:32	27°♋44'42	0.66140 AU
	-11958 Jul 31 j 15:04	0°♌		inferior conj		-11957 Jun 13 j 19:39	26°♋00'05	-2°51'23
morning set	-11958 Aug 11 j 21:39	17°♌20'32		minimum elong		-11957 Jun 13 j 21:55	25°♋52'57	2°51'00
	-11958 Aug 19 j 23:21	0°♍		morning rise		-11957 Jun 19 j 12:00	20°♋08'43	
max. Earth dist.	-11958 Aug 23 j 14:32	5°♍46'36	1.43877 AU	direct		-11957 Jun 22 j 19:25	19°♋05'33	
desc. node	-11958 Aug 24 j 20:35	7°♍46'57		asc. node		-11957 Jun 24 j 21:36	19°♋29'34	
				morning max el		-11957 Jun 29 j 19:16	23°♋04'07	19°09'04
superior conj	-11958 Aug 28 j 06:24	13°♍17'14	-0°20'22			-11957 Jul 05 j 09:38	0°♌	
minimum elong	-11958 Aug 28 j 04:18	13°♍08'44	0°19'27	morning set		-11957 Jul 22 j 10:06	26°♌16'44	
	-11958 Sep 07 j 08:16	0°♎				-11957 Jul 24 j 18:26	0°♌	
evening rise	-11958 Sep 10 j 18:30	5°♎49'30		max. Earth dist.		-11957 Aug 06 j 06:14	19°♌45'40	1.44526 AU
	-11958 Sep 25 j 18:18	0°♏						
evening max el	-11958 Sep 28 j 16:51	3°♏27'07	18°15'12	superior conj		-11957 Aug 07 j 13:56	21°♌51'14	0°24'35
asc. node	-11958 Oct 04 j 00:58	6°♏53'18		minimum elong		-11957 Aug 07 j 16:55	22°♌03'07	0°24'44
retrograde	-11958 Oct 05 j 07:30	7°♏01'46		desc. node		-11957 Aug 11 j 17:53	28°♌28'24	
evening set	-11958 Oct 08 j 00:20	6°♏23'54				-11957 Aug 12 j 16:51	0°♍	
inferior conj	-11958 Oct 14 j 09:10	0°♏58'31	2°55'11	evening rise		-11957 Aug 23 j 01:11	16°♍41'12	
minimum elong	-11958 Oct 14 j 05:30	1°♏08'27	2°54'45			-11957 Aug 31 j 05:52	0°♎	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening max el	-11957 Sep 12 j 05:56	16°☿56'05	18°41'09	retrograde	-11956 Sep 01 j 18:53	4°☿31'12	
retrograde	-11957 Sep 18 j 23:20	20°☿41'21		evening set	-11956 Sep 05 j 02:09	3°☿28'01	
asc. node	-11957 Sep 20 j 22:04	20°☿20'02		asc. node	-11956 Sep 06 j 19:06	2°☿07'32	
evening set	-11957 Sep 21 j 22:16	19°☿52'27			-11956 Sep 08 j 19:10	30°☿II	
inferior conj	-11957 Sep 27 j 21:51	14°☿11'17	2°05'55	inferior conj	-11956 Sep 10 j 18:14	27°II34'14	1°13'58
minimum elong	-11957 Sep 27 j 19:01	14°☿19'43	2°05'38	minimum elong	-11956 Sep 10 j 16:32	27°II39'38	1°14'01
min. Earth dist.	-11957 Sep 29 j 16:23	12°☿05'01	0.64820 AU	min. Earth dist.	-11956 Sep 12 j 00:33	25°II57'34	0.65868 AU
morning rise	-11957 Oct 03 j 15:14	8°☿02'01		morning rise	-11956 Sep 16 j 06:36	21°II17'17	
direct	-11957 Oct 10 j 06:01	5°☿18'48		direct	-11956 Sep 22 j 08:42	18°II42'37	
morning max el	-11957 Oct 23 j 09:10	12°☿48'08	26°57'58	morning max el	-11956 Oct 04 j 19:27	25°II59'16	26°00'34
	-11957 Nov 06 j 09:44	0°♌			-11956 Oct 08 j 13:19	0°☿	
desc. node	-11957 Nov 07 j 17:24	1°♌53'54		desc. node	-11956 Oct 24 j 14:11	21°☿36'51	
	-11957 Nov 24 j 18:14	0°♍			-11956 Oct 29 j 22:30	0°♌	
morning set	-11957 Nov 27 j 20:18	5°♍49'28		morning set	-11956 Nov 09 j 20:00	18°♌50'15	
max. Earth dist.	-11957 Dec 02 j 10:53	14°♍56'07	1.34566 AU	max. Earth dist.	-11956 Nov 13 j 21:26	26°♌29'39	1.35982 AU
					-11956 Nov 15 j 16:39	0°♍	
superior conj	-11957 Dec 06 j 03:26	22°♍32'28	-1°27'49	superior conj	-11956 Nov 19 j 01:05	6°♍41'15	-1°36'10
minimum elong	-11957 Dec 06 j 05:12	22°♍41'43	1°27'33	minimum elong	-11956 Nov 19 j 02:01	6°♍45'55	1°35'51
	-11957 Dec 09 j 16:26	0°♎		evening rise	-11956 Nov 26 j 19:25	22°♍36'55	
evening rise	-11957 Dec 13 j 12:06	8°♎01'42			-11956 Nov 30 j 11:58	0°♎	
asc. node	-11957 Dec 17 j 20:03	16°♎46'20		asc. node	-11956 Dec 03 j 17:25	6°♎03'52	
	-11957 Dec 25 j 09:12	0°♏		evening max el	-11956 Dec 15 j 05:45	22°♎11'39	20°17'26
evening max el	-11956 Jan 03 j 00:06	10°♏42'03	21°37'31	retrograde	-11956 Dec 25 j 15:33	27°♎04'58	
retrograde	-11956 Jan 14 j 22:58	16°♏21'10		evening set	-11956 Dec 28 j 06:55	26°♎47'27	
evening set	-11956 Jan 17 j 21:57	16°♏01'30		inferior conj	-11955 Jan 05 j 22:35	22°♎46'42	3°22'02
inferior conj	-11956 Jan 26 j 22:34	12°♏00'00	1°58'08	minimum elong	-11955 Jan 06 j 04:09	22°♎38'16	3°20'38
minimum elong	-11956 Jan 27 j 03:16	11°♏53'17	1°56'18	min. Earth dist.	-11955 Jan 07 j 18:33	21°♎40'30	0.55983 AU
min. Earth dist.	-11956 Jan 27 j 05:19	11°♏50'22	0.55460 AU	morning rise	-11955 Jan 14 j 23:44	18°♎18'48	
desc. node	-11956 Feb 03 j 19:11	8°♏14'38		direct	-11955 Jan 18 j 19:01	17°♎46'57	
morning rise	-11956 Feb 05 j 08:21	7°♏51'14		desc. node	-11955 Jan 20 j 15:55	17°♎54'54	
direct	-11956 Feb 08 j 01:42	7°♏34'38		morning max el	-11955 Feb 01 j 07:18	24°♎28'10	23°24'32
morning max el	-11956 Feb 20 j 12:13	13°♏35'27	21°49'33		-11955 Feb 06 j 07:31	0°♏	
	-11956 Mar 03 j 14:49	0°♐			-11955 Feb 23 j 22:58	0°♐	
morning set	-11956 Mar 12 j 05:56	16°♐36'18		morning set	-11955 Feb 24 j 17:47	1°♐37'55	
asc. node	-11956 Mar 14 j 18:00	21°♐49'53		asc. node	-11955 Mar 01 j 15:09	12°♐02'30	
	-11956 Mar 18 j 15:08	0°♑					
superior conj	-11956 Mar 19 j 14:56	2°♑04'32	0°44'22	superior conj	-11955 Mar 03 j 20:26	16°♐47'54	0°20'54
minimum elong	-11956 Mar 19 j 13:03	1°♑54'43	0°43'20	minimum elong	-11955 Mar 03 j 19:34	16°♐43'15	0°20'04
max. Earth dist.	-11956 Mar 23 j 00:28	9°♑04'42	1.34772 AU	max. Earth dist.	-11955 Mar 06 j 02:04	21°♐32'33	1.33783 AU
evening rise	-11956 Mar 27 j 20:26	18°♑38'47			-11955 Mar 10 j 04:16	0°♑	
	-11956 Apr 02 j 23:41	0°♒		evening rise	-11955 Mar 11 j 13:08	2°♑44'44	
	-11956 Apr 22 j 08:52	0°♓			-11955 Mar 26 j 20:13	0°♒	
desc. node	-11956 May 01 j 18:33	10°♓54'24		evening max el	-11955 Apr 14 j 05:59	23°♒58'05	27°25'47
evening max el	-11956 May 01 j 19:40	10°♓57'09	27°01'17	desc. node	-11955 Apr 18 j 15:49	27°♒46'42	
retrograde	-11956 May 15 j 01:52	18°♓27'55			-11955 Apr 22 j 04:18	0°♓	
evening set	-11956 May 21 j 20:26	15°♓41'31		retrograde	-11955 Apr 27 j 22:47	1°♓32'55	
min. Earth dist.	-11956 May 25 j 16:15	11°♓50'01	0.65045 AU		-11955 May 03 j 07:29	30°♓♒	
inferior conj	-11956 May 27 j 15:42	9°♓31'17	-3°14'42	evening set	-11955 May 04 j 21:32	28°♓56'27	
minimum elong	-11956 May 27 j 17:26	9°♓26'13	3°14'45	min. Earth dist.	-11955 May 08 j 13:35	25°♓37'21	0.63561 AU
morning rise	-11956 Jun 02 j 14:47	3°♓54'57		inferior conj	-11955 May 11 j 03:39	22°♓53'05	-3°26'26
direct	-11956 Jun 05 j 15:35	3°♓04'18		minimum elong	-11955 May 11 j 04:15	22°♓51'29	3°26'50
asc. node	-11956 Jun 10 j 18:21	5°♓18'56		morning rise	-11955 May 17 j 11:52	17°♓34'02	
morning max el	-11956 Jun 12 j 05:37	6°♓40'25	18°29'16	direct	-11955 May 20 j 07:17	16°♓54'15	
	-11956 Jun 28 j 02:06	0°♔		morning max el	-11955 May 26 j 18:59	20°♓18'18	18°06'57
morning set	-11956 Jul 01 j 21:08	6°♔15'19		asc. node	-11955 May 28 j 15:09	22°♓19'33	
					-11955 Jun 03 j 01:42	0°♓	
superior conj	-11956 Jul 16 j 14:12	0°♔05'28	1°06'45	morning set	-11955 Jun 13 j 09:21	17°♔24'09	
minimum elong	-11956 Jul 16 j 20:44	0°♔31'28	1°06'25		-11955 Jun 20 j 18:26	0°♔	
	-11956 Jul 16 j 12:50	0°♕		superior conj	-11955 Jun 26 j 05:25	9°♔04'32	1°35'44
max. Earth dist.	-11956 Jul 18 j 23:09	3°♕51'44	1.44469 AU	minimum elong	-11955 Jun 26 j 10:30	9°♔25'20	1°35'29
desc. node	-11956 Jul 28 j 15:14	19°♕07'24		max. Earth dist.	-11955 Jul 01 j 13:40	17°♔45'07	1.43725 AU
evening rise	-11956 Aug 02 j 04:27	26°♕16'40			-11955 Jul 09 j 07:06	0°♕	
	-11956 Aug 04 j 13:20	0°♖					
greatest brilliancy	-11956 Aug 11 j 13:23	10°♖56'06	-0.8m	evening rise	-11955 Jul 12 j 09:26	4°♕49'49	
	-11956 Aug 25 j 05:38	0°☿		desc. node	-11955 Jul 15 j 12:39	9°♕40'44	
evening max el	-11956 Aug 25 j 15:40	0°☿26'12	19°23'55		-11955 Jul 29 j 00:52	0°♖	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening max el	-11955 Aug 08 j 19:44	13° Π 53'50	20°21'59		evening max el	-11954 Jul 02 j 08:51	0° \mathcal{B}	
retrograde	-11955 Aug 16 j 15:42	18° Π 27'55		evening max el	-11954 Jul 22 j 16:55	27° \mathcal{B} 17'39	21°32'58	
evening set	-11955 Aug 20 j 09:27	17° Π 07'18			-11954 Jul 25 j 16:37	0° Π		
asc. node	-11955 Aug 24 j 16:06	12° Π 36'11		retrograde	-11954 Jul 31 j 11:47	2° Π 28'55		
inferior conj	-11955 Aug 25 j 19:54	11° Π 04'00	0°21'55	evening set	-11954 Aug 04 j 18:01	0° Π 48'18		
minimum elong	-11955 Aug 25 j 19:24	11° Π 05'41	0°22'22		-11954 Aug 05 j 16:02	30° \mathcal{R} \mathcal{B}		
min. Earth dist.	-11955 Aug 26 j 15:01	9° Π 59'59	0.66615 AU	inferior conj	-11954 Aug 10 j 00:48	24° \mathcal{B} 38'27	-0°28'20	
morning rise	-11955 Aug 31 j 05:09	4° Π 43'15		minimum elong	-11954 Aug 10 j 01:24	24° \mathcal{B} 36'26	0°27'33	
direct	-11955 Sep 05 j 17:02	2° Π 23'06		min. Earth dist.	-11954 Aug 10 j 09:22	24° \mathcal{B} 09'00	0.67073 AU	
morning max el	-11955 Sep 17 j 05:20	9° Π 14'55	24°45'50	asc. node	-11954 Aug 11 j 13:01	22° \mathcal{B} 35'03		
	-11955 Oct 03 j 15:49	0° \mathcal{B}		morning rise	-11954 Aug 15 j 08:38	18° \mathcal{B} 17'50		
desc. node	-11955 Oct 11 j 11:02	11° \mathcal{B} 42'26		direct	-11954 Aug 20 j 06:26	16° \mathcal{B} 15'12		
	-11955 Oct 22 j 13:06	0° Ω		morning max el	-11954 Aug 30 j 15:49	22° \mathcal{B} 30'31	23°22'44	
morning set	-11955 Oct 23 j 00:49	0° Ω 51'13			-11954 Sep 06 j 03:40	0° Π		
max. Earth dist.	-11955 Oct 26 j 23:04	7° Ω 52'40	1.37761 AU		-11954 Sep 27 j 00:38	0° \mathcal{B}		
				desc. node	-11954 Sep 28 j 07:59	2° \mathcal{B} 03'51		
superior conj	-11955 Nov 02 j 12:34	20° Ω 14'44	-1°37'58	morning set	-11954 Oct 04 j 05:31	11° \mathcal{B} 39'21		
minimum elong	-11955 Nov 02 j 12:04	20° Ω 12'15	1°37'30	max. Earth dist.	-11954 Oct 08 j 21:32	19° \mathcal{B} 35'05	1.39736 AU	
	-11955 Nov 07 j 11:16	0° \mathcal{M}			-11954 Oct 14 j 18:08	0° Ω		
evening rise	-11955 Nov 10 j 21:50	6° \mathcal{M} 52'11		superior conj	-11954 Oct 16 j 09:35	3° Ω 01'03	-1°31'08	
asc. node	-11955 Nov 20 j 14:47	24° \mathcal{M} 48'39		minimum elong	-11954 Oct 16 j 07:13	2° Ω 50'05	1°30'24	
	-11955 Nov 24 j 03:51	0° \mathcal{A}		evening rise	-11954 Oct 25 j 16:50	20° Ω 40'57		
evening max el	-11955 Nov 27 j 21:42	4° \mathcal{A} 15'20	19°15'09		-11954 Oct 30 j 15:02	0° \mathcal{M}		
retrograde	-11955 Dec 06 j 20:13	8° \mathcal{A} 30'29		asc. node	-11954 Nov 07 j 12:06	12° \mathcal{M} 49'57		
evening set	-11955 Dec 09 j 08:31	8° \mathcal{A} 11'48		evening max el	-11954 Nov 10 j 23:10	16° \mathcal{M} 50'41	18°32'56	
inferior conj	-11955 Dec 17 j 11:59	3° \mathcal{A} 58'21	4°07'54	retrograde	-11954 Nov 18 j 18:08	20° \mathcal{M} 39'50		
minimum elong	-11955 Dec 17 j 14:38	3° \mathcal{A} 53'49	4°07'40	evening set	-11954 Nov 21 j 05:32	20° \mathcal{M} 18'01		
min. Earth dist.	-11955 Dec 20 j 08:23	2° \mathcal{A} 02'32	0.57234 AU	inferior conj	-11954 Nov 28 j 20:12	15° \mathcal{M} 44'45	4°16'18	
	-11955 Dec 23 j 18:51	30° \mathcal{R} \mathcal{M}		minimum elong	-11954 Nov 28 j 19:13	15° \mathcal{M} 46'41	4°16'27	
morning rise	-11955 Dec 25 j 18:39	29° \mathcal{M} 05'49		min. Earth dist.	-11954 Dec 02 j 01:12	13° \mathcal{M} 14'48	0.58941 AU	
direct	-11955 Dec 30 j 22:30	28° \mathcal{M} 04'10		morning rise	-11954 Dec 06 j 07:03	10° \mathcal{M} 30'11		
	-11954 Jan 07 j 00:59	0° \mathcal{A}		direct	-11954 Dec 12 j 14:03	8° \mathcal{M} 50'37		
desc. node	-11954 Jan 07 j 12:37	0° \mathcal{A} 15'56		desc. node	-11954 Dec 25 j 09:19	14° \mathcal{M} 59'24		
morning max el	-11954 Jan 13 j 22:07	5° \mathcal{A} 09'58	24°59'55	morning max el	-11954 Dec 26 j 15:08	16° \mathcal{M} 08'20	26°20'49	
	-11954 Jan 31 j 17:38	0° \mathcal{M}			-11953 Jan 07 j 00:00	0° \mathcal{A}		
morning set	-11954 Feb 09 j 06:20	16° \mathcal{M} 43'18			-11953 Jan 23 j 21:29	0° \mathcal{M}		
	-11954 Feb 15 j 10:35	0° \mathcal{A}		morning set	-11953 Jan 24 j 17:48	1° \mathcal{M} 45'42		
superior conj	-11954 Feb 16 j 05:52	1° \mathcal{A} 44'39	-0°02'36	superior conj	-11953 Jan 31 j 17:20	16° \mathcal{M} 47'57	-0°25'14	
minimum elong	-11954 Feb 16 j 06:00	1° \mathcal{A} 45'22	0°03'10	minimum elong	-11953 Jan 31 j 18:21	16° \mathcal{M} 53'29	0°25'31	
behind sun begin	-11954 Feb 16 j 01:01	1° \mathcal{A} 18'20		max. Earth dist.	-11953 Jan 31 j 23:39	17° \mathcal{M} 22'28	1.32820 AU	
behind sun end	-11954 Feb 16 j 10:59	2° \mathcal{A} 12'22		asc. node	-11953 Feb 03 j 09:37	22° \mathcal{M} 37'54		
asc. node	-11954 Feb 16 j 12:23	2° \mathcal{A} 19'56			-11953 Feb 06 j 20:26	0° \mathcal{A}		
max. Earth dist.	-11954 Feb 17 j 10:53	4° \mathcal{A} 21'39	1.33135 AU	evening rise	-11953 Feb 07 j 20:16	2° \mathcal{A} 04'20		
evening rise	-11954 Feb 23 j 13:59	17° \mathcal{A} 16'19			-11953 Feb 23 j 04:06	0° \mathcal{B}		
	-11954 Mar 02 j 03:10	0° \mathcal{B}		evening max el	-11953 Mar 09 j 16:36	18° \mathcal{B} 29'00	26°39'42	
	-11954 Mar 21 j 14:52	0° \mathcal{A}		desc. node	-11953 Mar 23 j 10:10	25° \mathcal{B} 53'15		
evening max el	-11954 Mar 27 j 13:36	6° \mathcal{A} 31'16	27°19'05	retrograde	-11953 Mar 23 j 19:36	25° \mathcal{B} 53'39		
desc. node	-11954 Apr 05 j 13:01	12° \mathcal{A} 57'38		evening set	-11953 Mar 30 j 00:19	24° \mathcal{B} 13'34		
retrograde	-11954 Apr 10 j 13:14	14° \mathcal{A} 03'57		min. Earth dist.	-11953 Apr 03 j 06:02	21° \mathcal{B} 23'03	0.59761 AU	
evening set	-11954 Apr 17 j 07:51	11° \mathcal{A} 50'46		inferior conj	-11953 Apr 06 j 14:07	18° \mathcal{B} 39'20	-2°57'35	
min. Earth dist.	-11954 Apr 21 j 01:57	8° \mathcal{A} 53'02	0.61745 AU	minimum elong	-11953 Apr 06 j 11:16	18° \mathcal{B} 45'12	2°57'49	
inferior conj	-11954 Apr 24 j 04:19	5° \mathcal{A} 58'31	-3°22'34	morning rise	-11953 Apr 14 j 00:52	13° \mathcal{B} 58'55		
minimum elong	-11954 Apr 24 j 03:15	6° \mathcal{A} 01'04	3°23'05	direct	-11953 Apr 16 j 11:20	13° \mathcal{B} 36'28		
morning rise	-11954 May 01 j 00:23	0° \mathcal{A} 58'27		morning max el	-11953 Apr 23 j 20:21	17° \mathcal{B} 11'47	18°17'56	
direct	-11954 May 03 j 15:11	0° \mathcal{A} 28'04		asc. node	-11953 May 02 j 08:51	28° \mathcal{B} 54'57		
morning max el	-11954 May 10 j 08:50	3° \mathcal{A} 51'24	18°02'58		-11953 May 03 j 00:03	0° \mathcal{A}		
asc. node	-11954 May 15 j 12:00	10° \mathcal{A} 15'53		morning set	-11953 May 09 j 22:34	12° \mathcal{A} 40'53		
morning set	-11954 May 26 j 19:27	29° \mathcal{A} 36'27			-11953 May 19 j 05:52	0° \mathcal{A}		
	-11954 May 27 j 00:40	0° \mathcal{A}		superior conj	-11953 May 19 j 18:07	0° \mathcal{A} 55'32	1°47'03	
superior conj	-11954 Jun 06 j 22:55	19° \mathcal{A} 21'28	1°48'19	minimum elong	-11953 May 19 j 16:33	0° \mathcal{A} 48'26	1°46'39	
minimum elong	-11954 Jun 07 j 00:14	19° \mathcal{A} 27'11	1°48'08	max. Earth dist.	-11953 May 27 j 02:50	13° \mathcal{A} 52'20	1.40686 AU	
	-11954 Jun 13 j 06:23	0° \mathcal{Y}		evening rise	-11953 Jun 01 j 07:04	22° \mathcal{A} 32'03		
max. Earth dist.	-11954 Jun 13 j 23:00	1° \mathcal{Y} 08'31	1.42401 AU		-11953 Jun 05 j 22:12	0° \mathcal{Y}		
evening rise	-11954 Jun 21 j 11:05	13° \mathcal{Y} 13'56		desc. node	-11953 Jun 19 j 07:35	20° \mathcal{Y} 14'11		
desc. node	-11954 Jul 02 j 10:06	0° \mathcal{B} 04'43						

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-11953 Jun 26 j 09:08	0°♄					-11952 May 29 j 02:22	0°♅	
evening max el	-11953 Jul 05 j 07:43	10°♄38'12	22°52'44		desc. node		-11952 Jun 05 j 05:04	10°♅03'00	
retrograde	-11953 Jul 15 j 05:33	16°♄31'03			evening max el		-11952 Jun 16 j 18:28	23°♅58'45	24°14'59
evening set	-11953 Jul 20 j 01:53	14°♄29'07					-11952 Jun 25 j 00:55	0°♄	
inferior conj	-11953 Jul 25 j 07:04	8°♄15'16	-1°15'17		retrograde		-11952 Jun 27 j 20:02	0°♄31'40	
minimum elong	-11953 Jul 25 j 08:32	8°♄10'11	1°14'21				-11952 Jun 30 j 11:00	30°♅♂	
min. Earth dist.	-11953 Jul 25 j 05:03	8°♄22'14	0.67242 AU		evening set		-11952 Jul 03 j 07:11	28°♅09'22	
asc. node	-11953 Jul 29 j 09:53	3°♄05'22			min. Earth dist.		-11952 Jul 07 j 23:45	22°♅38'37	0.67098 AU
morning rise	-11953 Jul 30 j 15:06	1°♄58'41			inferior conj		-11952 Jul 08 j 12:58	21°♅53'43	-1°57'34
direct	-11953 Aug 03 j 23:57	0°♄14'19			minimum elong		-11952 Jul 08 j 15:03	21°♅46'39	1°56'41
morning max el	-11953 Aug 13 j 05:27	5°♄46'55	21°59'40		morning rise		-11952 Jul 13 j 22:52	15°♅44'40	
	-11953 Aug 31 j 12:42	0°♄			asc. node		-11952 Jul 15 j 06:41	14°♅55'17	
morning set	-11953 Sep 14 j 07:44	21°♄10'26			direct		-11952 Jul 17 j 20:21	14°♅17'48	
desc. node	-11953 Sep 15 j 04:58	22°♄35'22			morning max el		-11952 Jul 26 j 00:47	19°♅08'41	20°43'35
	-11953 Sep 19 j 18:20	0°♄					-11952 Aug 03 j 17:01	0°♄	
max. Earth dist.	-11953 Sep 20 j 23:38	2°♄01'19	1.41648 AU		morning set		-11952 Aug 23 j 14:22	29°♄48'14	
							-11952 Aug 23 j 17:23	0°♄	
superior conj	-11953 Sep 28 j 10:36	14°♄45'02	-1°13'24		desc. node		-11952 Sep 01 j 02:04	13°♄13'24	
minimum elong	-11953 Sep 28 j 06:37	14°♄27'37	1°12'20		max. Earth dist.		-11952 Sep 02 j 08:19	15°♄15'20	1.43221 AU
	-11953 Oct 06 j 22:03	0°♄							
evening rise	-11953 Oct 09 j 01:03	3°♄54'39			superior conj		-11952 Sep 08 j 10:05	25°♄13'00	-0°43'08
asc. node	-11953 Oct 25 j 09:23	29°♄54'07			minimum elong		-11952 Sep 08 j 06:19	24°♄57'22	0°42'00
	-11953 Oct 25 j 11:47	0°♄					-11952 Sep 11 j 06:31	0°♄	
evening max el	-11953 Oct 25 j 07:38	29°♄49'48	18°10'53		evening rise		-11952 Sep 20 j 18:19	16°♄24'00	
retrograde	-11953 Nov 01 j 08:43	3°♄25'19					-11952 Sep 28 j 14:24	0°♄	
evening set	-11953 Nov 03 j 20:46	2°♄58'49			evening max el		-11952 Oct 07 j 20:09	13°♄05'14	18°08'15
	-11953 Nov 08 j 17:29	30°♄♂			asc. node		-11952 Oct 11 j 06:35	15°♄45'47	
inferior conj	-11953 Nov 10 j 22:59	28°♄03'45	3°57'12		retrograde		-11952 Oct 14 j 12:22	16°♄37'44	
minimum elong	-11953 Nov 10 j 19:46	28°♄11'00	3°57'06		evening set		-11952 Oct 17 j 02:50	16°♄04'41	
min. Earth dist.	-11953 Nov 14 j 00:04	25°♄20'02	0.60793 AU		inferior conj		-11952 Oct 23 j 17:35	10°♄49'16	3°20'51
morning rise	-11953 Nov 17 j 17:26	22°♄30'13			minimum elong		-11952 Oct 23 j 13:46	10°♄59'02	3°20'29
direct	-11953 Nov 24 j 15:31	20°♄17'06			min. Earth dist.		-11952 Oct 26 j 08:08	8°♄10'18	0.62548 AU
morning max el	-11953 Dec 08 j 14:08	27°♄41'39	27°14'35		morning rise		-11952 Oct 29 j 23:42	4°♄59'13	
	-11953 Dec 10 j 20:40	0°♄			direct		-11952 Nov 06 j 01:08	2°♄24'13	
desc. node	-11953 Dec 12 j 05:57	1°♄31'19			morning max el		-11952 Nov 19 j 19:18	9°♄54'24	27°34'24
	-11953 Dec 31 j 12:23	0°♄			desc. node		-11952 Nov 28 j 02:34	19°♄21'37	
morning set	-11952 Jan 09 j 02:19	16°♄38'14					-11952 Dec 05 j 15:44	0°♄	
	-11952 Jan 15 j 08:41	0°♄					-11952 Dec 22 j 15:16	0°♄	
max. Earth dist.	-11952 Jan 15 j 12:51	0°♄22'40	1.32830 AU		morning set		-11952 Dec 23 j 05:41	1°♄12'39	
					max. Earth dist.		-11952 Dec 28 j 22:39	13°♄08'19	1.33189 AU
superior conj	-11952 Jan 16 j 05:09	1°♄51'34	-0°46'17						
minimum elong	-11952 Jan 16 j 06:50	2°♄00'43	0°46'20		superior conj		-11952 Dec 30 j 15:37	16°♄48'48	-1°05'03
asc. node	-11952 Jan 21 j 06:55	12°♄52'19			minimum elong		-11952 Dec 30 j 17:39	16°♄59'49	1°04'56
evening rise	-11952 Jan 23 j 05:54	17°♄01'10					-11951 Jan 05 j 18:23	0°♄	
	-11952 Jan 29 j 18:24	0°♄			evening rise		-11951 Jan 06 j 17:00	1°♄59'28	
evening max el	-11952 Feb 19 j 14:07	29°♄50'57	25°31'22		asc. node		-11951 Jan 07 j 04:14	2°♄58'15	
	-11952 Feb 19 j 17:56	0°♄					-11951 Jan 22 j 06:59	0°♄	
retrograde	-11952 Mar 04 j 15:28	7°♄00'49			evening max el		-11951 Jan 31 j 07:37	10°♄47'02	24°03'32
desc. node	-11952 Mar 09 j 07:13	6°♄09'18			retrograde		-11951 Feb 13 j 23:17	17°♄32'03	
evening set	-11952 Mar 09 j 21:56	5°♄55'06			evening set		-11951 Feb 18 j 03:52	16°♄53'03	
min. Earth dist.	-11952 Mar 15 j 03:34	2°♄58'16	0.57865 AU		desc. node		-11951 Feb 24 j 04:09	14°♄03'03	
inferior conj	-11952 Mar 18 j 05:40	0°♄47'20	-2°05'26		min. Earth dist.		-11951 Feb 24 j 20:46	13°♄37'58	0.56361 AU
minimum elong	-11952 Mar 18 j 02:07	0°♄53'40	2°05'16		inferior conj		-11951 Feb 27 j 01:24	12°♄16'16	-0°43'34
	-11952 Mar 19 j 08:34	30°♄♂			minimum elong		-11951 Feb 26 j 23:41	12°♄18'57	0°43'41
morning rise	-11952 Mar 26 j 09:30	26°♄25'55			morning rise		-11951 Mar 07 j 22:19	8°♄09'32	
direct	-11952 Mar 28 j 15:53	26°♄09'42			direct		-11951 Mar 10 j 02:18	7°♄57'05	
	-11952 Apr 05 j 21:58	0°♄			morning max el		-11951 Mar 20 j 00:37	12°♄38'41	19°46'35
morning max el	-11952 Apr 06 j 02:36	0°♄10'53	18°52'22				-11951 Apr 01 j 02:02	0°♄	
asc. node	-11952 Apr 18 j 05:43	18°♄06'58			asc. node		-11951 Apr 05 j 02:40	7°♄43'26	
morning set	-11952 Apr 22 j 14:17	26°♄27'01			morning set		-11951 Apr 06 j 14:56	10°♄44'11	
	-11952 Apr 24 j 09:53	0°♄							
superior conj	-11952 May 01 j 10:07	13°♄34'22	1°35'59		superior conj		-11951 Apr 14 j 17:29	27°♄02'31	1°18'36
minimum elong	-11952 May 01 j 07:14	13°♄20'41	1°35'14		minimum elong		-11951 Apr 14 j 14:30	26°♄47'42	1°17'36
max. Earth dist.	-11952 May 08 j 03:28	25°♄58'28	1.38815 AU				-11951 Apr 16 j 05:33	0°♄	
	-11952 May 10 j 10:04	0°♄			max. Earth dist.		-11951 Apr 20 j 05:38	7°♄41'26	1.37025 AU
evening rise	-11952 May 12 j 06:28	3°♄12'36			evening rise		-11951 Apr 24 j 07:00	15°♄10'09	
							-11951 May 02 j 21:48	0°♄	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

desc. node	-11951 May 23 j 02:32	29° H 21'45		max. Earth dist.	-11950 Apr 02 j 15:13	19° Z 28'33	1.35497 AU
	-11951 May 23 j 14:56	0° Y		evening rise	-11950 Apr 07 j 03:10	28° Z 09'56	
evening max el	-11951 May 30 j 03:59	7° Y 20'05	25°31'53		-11950 Apr 08 j 02:41	0° \approx	
retrograde	-11951 Jun 11 j 06:28	14° Y 25'17			-11950 Apr 26 j 03:37	0° H	
evening set	-11951 Jun 17 j 07:53	11° Y 46'47		desc. node	-11950 May 09 j 23:57	17° H 58'21	
min. Earth dist.	-11951 Jun 21 j 15:06	6° Y 54'49	0.66600 AU	evening max el	-11950 May 12 j 14:13	20° H 40'25	26°34'43
inferior conj	-11951 Jun 22 j 16:41	5° Y 31'21	-2°33'52	retrograde	-11950 May 25 j 12:18	28° H 05'56	
minimum elong	-11951 Jun 22 j 19:00	5° Y 23'47	2°33'15	evening set	-11950 Jun 01 j 01:40	25° H 19'14	
	-11951 Jun 27 j 15:22	30° R H		min. Earth dist.	-11950 Jun 05 j 01:01	21° H 06'17	0.65724 AU
morning rise	-11951 Jun 28 j 06:09	29° H 32'56		inferior conj	-11950 Jun 06 j 16:12	19° H 06'09	-3°02'32
direct	-11951 Jul 01 j 18:07	28° H 21'51		minimum elong	-11950 Jun 06 j 18:18	18° H 59'41	3°02'19
asc. node	-11951 Jul 02 j 03:26	28° H 22'42		morning rise	-11950 Jun 12 j 11:10	13° H 21'00	
	-11951 Jul 06 j 03:02	0° Y		direct	-11950 Jun 15 j 15:28	12° H 23'36	
morning max el	-11951 Jul 09 j 02:41	2° Y 37'12	19°39'22	asc. node	-11950 Jun 19 j 00:12	13° H 24'12	
	-11951 Jul 28 j 10:11	0° B		morning max el	-11950 Jun 22 j 10:27	16° H 11'40	18°50'01
morning set	-11951 Aug 02 j 19:06	8° B 22'50			-11950 Jul 02 j 14:11	0° Y	
max. Earth dist.	-11951 Aug 15 j 22:16	29° B 03'18	1.44236 AU	morning set	-11950 Jul 13 j 16:10	17° Y 42'43	
	-11951 Aug 16 j 12:32	0° II			-11950 Jul 21 j 08:16	0° B	
desc. node	-11951 Aug 18 j 23:18	3° II 54'37					
				superior conj	-11950 Jul 29 j 07:51	12° B 39'54	0°43'33
superior conj	-11951 Aug 19 j 06:08	4° II 22'02	-0°01'43	minimum elong	-11950 Jul 29 j 12:53	12° B 59'48	0°43'26
minimum elong	-11951 Aug 19 j 06:01	4° II 21'30	0°01'05	max. Earth dist.	-11950 Jul 29 j 14:29	13° B 06'07	1.44582 AU
behind sun begin	-11951 Aug 18 j 19:02	3° II 37'32		desc. node	-11950 Aug 05 j 20:37	24° B 35'24	
behind sun end	-11951 Aug 19 j 16:59	5° II 05'32			-11950 Aug 09 j 06:19	0° II	
evening rise	-11951 Sep 02 j 15:19	27° II 55'59		evening rise	-11950 Aug 14 j 10:29	8° II 15'34	
	-11951 Sep 03 j 20:59	0° E			-11950 Aug 28 j 05:30	0° E	
evening max el	-11951 Sep 21 j 09:49	26° E 30'54	18°24'06	evening max el	-11950 Sep 04 j 21:46	10° E 00'48	18°57'25
	-11951 Sep 26 j 17:11	0° O		retrograde	-11950 Sep 11 j 18:42	13° E 53'41	
retrograde	-11951 Sep 28 j 00:53	0° O 09'24		evening set	-11950 Sep 14 j 20:46	12° E 59'19	
asc. node	-11951 Sep 28 j 03:42	0° O 09'20		asc. node	-11950 Sep 15 j 00:47	12° E 53'19	
	-11951 Sep 29 j 08:28	30° R E		inferior conj	-11950 Sep 20 j 16:58	7° E 12'30	1°44'03
evening set	-11951 Sep 30 j 19:59	29° E 27'16		minimum elong	-11950 Sep 20 j 14:36	7° E 19'48	1°43'54
inferior conj	-11951 Oct 07 j 00:39	23° E 54'34	2°34'49	min. Earth dist.	-11950 Sep 22 j 06:15	5° E 18'01	0.65297 AU
minimum elong	-11951 Oct 06 j 21:17	24° E 04'07	2°34'26	morning rise	-11950 Sep 26 j 07:55	0° E 59'16	
min. Earth dist.	-11951 Oct 09 j 02:31	21° E 33'39	0.64067 AU		-11950 Sep 27 j 14:59	30° R II	
morning rise	-11951 Oct 12 j 21:51	17° E 51'01		direct	-11950 Oct 02 j 17:37	28° II 18'28	
direct	-11951 Oct 19 j 18:04	15° E 07'22			-11950 Oct 08 j 09:18	0° E	
morning max el	-11951 Nov 02 j 04:28	22° E 39'56	27°20'05	morning max el	-11950 Oct 15 j 14:46	5° E 44'47	26°36'12
	-11951 Nov 08 j 19:11	0° O		desc. node	-11950 Nov 01 j 19:56	27° E 33'39	
desc. node	-11951 Nov 14 j 23:13	8° O 08'02			-11950 Nov 03 j 10:56	0° O	
	-11951 Nov 28 j 19:17	0° M		morning set	-11950 Nov 20 j 09:24	28° O 48'55	
morning set	-11951 Dec 07 j 01:14	15° M 20'15			-11950 Nov 21 j 00:23	0° M	
max. Earth dist.	-11951 Dec 12 j 01:21	25° M 28'00	1.33937 AU	max. Earth dist.	-11950 Nov 24 j 17:43	7° M 14'44	1.35111 AU
	-11951 Dec 14 j 05:16	0° E					
				superior conj	-11950 Nov 29 j 00:53	15° M 57'39	-1°32'04
superior conj	-11951 Dec 14 j 22:56	1° E 33'34	-1°20'40	minimum elong	-11950 Nov 29 j 02:22	16° M 05'18	1°31'47
minimum elong	-11951 Dec 15 j 00:57	1° E 44'12	1°20'27		-11950 Dec 05 j 18:28	0° E	
evening rise	-11951 Dec 22 j 04:00	16° E 53'29		evening rise	-11950 Dec 06 j 13:08	1° E 36'38	
asc. node	-11951 Dec 25 j 01:35	22° E 50'37		asc. node	-11950 Dec 11 j 22:57	12° E 22'36	
	-11951 Dec 28 j 18:25	0° M			-11950 Dec 23 j 08:21	0° M	
evening max el	-11950 Jan 13 j 01:50	21° M 40'00	22°29'28	evening max el	-11950 Dec 26 j 02:16	2° M 51'56	21°01'37
retrograde	-11950 Jan 25 j 19:42	27° M 46'35		retrograde	-11949 Jan 06 j 10:03	8° M 11'07	
evening set	-11950 Jan 29 j 02:31	27° M 22'53		evening set	-11949 Jan 09 j 04:41	7° M 53'08	
min. Earth dist.	-11950 Feb 06 j 11:57	23° M 36'33	0.55541 AU	inferior conj	-11949 Jan 18 j 02:13	3° M 54'15	2°37'38
inferior conj	-11950 Feb 07 j 04:52	23° M 12'12	0°58'55	minimum elong	-11949 Jan 18 j 07:51	3° M 46'06	2°35'48
minimum elong	-11950 Feb 07 j 07:21	23° M 08'37	0°57'35	min. Earth dist.	-11949 Jan 19 j 02:01	3° M 19'50	0.55577 AU
desc. node	-11950 Feb 11 j 00:58	21° M 05'56			-11949 Jan 26 j 01:35	30° R E	
morning rise	-11950 Feb 16 j 13:16	19° M 08'35		morning rise	-11949 Jan 27 j 09:55	29° E 38'11	
direct	-11950 Feb 18 j 21:39	18° M 55'42		desc. node	-11949 Jan 28 j 21:43	29° E 22'39	
morning max el	-11950 Mar 02 j 12:03	24° M 27'59	20°59'53	direct	-11949 Jan 30 j 12:39	29° E 16'45	
	-11950 Mar 07 j 09:06	0° X			-11949 Feb 03 j 20:46	0° M	
morning set	-11950 Mar 21 j 21:42	25° X 24'19		morning max el	-11949 Feb 12 j 12:14	5° M 37'25	22°29'01
asc. node	-11950 Mar 22 j 23:43	27° X 38'10			-11949 Mar 01 j 04:40	0° X	
	-11950 Mar 24 j 03:06	0° Z		morning set	-11949 Mar 06 j 08:15	10° X 19'38	
				asc. node	-11949 Mar 09 j 20:51	17° X 45'26	
superior conj	-11950 Mar 29 j 11:57	11° Z 07'41	0°57'30				
minimum elong	-11950 Mar 29 j 09:34	10° Z 55'25	0°56'25	superior conj	-11949 Mar 13 j 14:10	25° X 39'14	0°34'29

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-11949 Mar 13 j 12:42	25° ♁ 31'31	0°33'32	superior conj	-11948 Feb 25 j 21:32	10° ♁ 28'28	0°10'53
	-11949 Mar 15 j 15:55	0° ♁		minimum elong	-11948 Feb 25 j 21:05	10° ♁ 26'07	0°10'10
max. Earth dist.	-11949 Mar 16 j 11:06	1° ♁ 39'26	1.34307 AU	behind sun begin	-11948 Feb 25 j 17:07	10° ♁ 04'46	
evening rise	-11949 Mar 21 j 13:36	11° ♁ 55'38		behind sun end	-11948 Feb 26 j 01:03	10° ♁ 47'27	
	-11949 Mar 31 j 10:56	0° ♁		max. Earth dist.	-11948 Feb 27 j 16:13	14° ♁ 17'14	1.33468 AU
	-11949 Apr 21 j 09:02	0° ♁		evening rise	-11948 Mar 04 j 10:07	26° ♁ 13'27	
evening max el	-11949 Apr 25 j 01:09	3° ♁ 52'26	27°15'20		-11948 Mar 06 j 07:46	0° ♁	
desc. node	-11949 Apr 26 j 21:16	5° ♁ 35'35			-11948 Mar 23 j 21:09	0° ♁	
retrograde	-11949 May 08 j 12:46	11° ♁ 26'20		evening max el	-11948 Apr 06 j 10:52	16° ♁ 43'36	27°27'05
evening set	-11949 May 15 j 09:47	8° ♁ 42'42		desc. node	-11948 Apr 12 j 18:33	21° ♁ 48'49	
min. Earth dist.	-11949 May 19 j 03:32	5° ♁ 05'43	0.64455 AU	retrograde	-11948 Apr 20 j 06:58	24° ♁ 17'28	
inferior conj	-11949 May 21 j 09:13	2° ♁ 34'42	-3°21'20	evening set	-11948 Apr 27 j 05:00	21° ♁ 49'47	
minimum elong	-11949 May 21 j 10:33	2° ♁ 30'57	3°21'33	min. Earth dist.	-11948 Apr 30 j 21:09	18° ♁ 41'08	0.62819 AU
	-11949 May 23 j 18:31	30° ♁		inferior conj	-11948 May 03 j 16:48	15° ♁ 50'36	-3°27'01
morning rise	-11949 May 27 j 11:52	27° ♁ 05'16		minimum elong	-11948 May 03 j 16:45	15° ♁ 50'45	3°27'32
direct	-11949 May 30 j 10:09	26° ♁ 19'31		morning rise	-11948 May 10 j 05:40	10° ♁ 39'09	
asc. node	-11949 Jun 05 j 21:01	29° ♁ 46'09		direct	-11948 May 12 j 23:07	10° ♁ 03'24	
morning max el	-11949 Jun 05 j 22:23	29° ♁ 49'34	18°17'30	morning max el	-11948 May 19 j 12:12	13° ♁ 25'45	18°02'57
	-11949 Jun 06 j 02:30	0° ♁		asc. node	-11948 May 22 j 17:50	17° ♁ 11'58	
morning set	-11949 Jun 24 j 14:11	28° ♁ 12'00			-11948 May 30 j 21:28	0° ♁	
	-11949 Jun 25 j 15:56	0° ♁		morning set	-11948 Jun 05 j 12:21	9° ♁ 49'33	
					-11948 Jun 17 j 05:08	0° ♁	
superior conj	-11949 Jul 08 j 12:18	21° ♁ 07'24	1°21'02	superior conj	-11948 Jun 17 j 14:06	0° ♁ 37'34	1°43'01
minimum elong	-11949 Jul 08 j 18:46	21° ♁ 33'24	1°20'41	minimum elong	-11948 Jun 17 j 17:38	0° ♁ 52'18	1°42'49
max. Earth dist.	-11949 Jul 12 j 06:21	27° ♁ 07'46	1.44232 AU	max. Earth dist.	-11948 Jun 23 j 19:19	10° ♁ 51'48	1.43230 AU
	-11949 Jul 14 j 01:42	0° ♁		evening rise	-11948 Jul 03 j 03:34	25° ♁ 42'15	
desc. node	-11949 Jul 23 j 18:01	15° ♁ 12'43			-11948 Jul 05 j 22:03	0° ♁	
evening rise	-11949 Jul 25 j 02:51	17° ♁ 20'45		desc. node	-11948 Jul 09 j 15:27	5° ♁ 42'42	
	-11949 Aug 02 j 06:54	0° ♁			-11948 Jul 26 j 09:50	0° ♁	
greatest brilliancy	-11949 Aug 06 j 02:04	5° ♁ 47'35	-0.7m	evening max el	-11948 Aug 01 j 06:44	6° ♁ 57'15	20°50'47
evening max el	-11949 Aug 19 j 05:25	23° ♁ 30'46	19°46'55	retrograde	-11948 Aug 09 j 11:33	11° ♁ 45'41	
retrograde	-11949 Aug 26 j 14:57	27° ♁ 46'51		evening set	-11948 Aug 13 j 10:29	10° ♁ 16'42	
evening set	-11949 Aug 30 j 02:24	26° ♁ 36'43		inferior conj	-11948 Aug 18 j 19:09	4° ♁ 10'24	0°00'18
asc. node	-11949 Sep 01 j 21:49	24° ♁ 03'17		minimum elong	-11948 Aug 18 j 19:08	4° ♁ 10'29	0°00'53
inferior conj	-11949 Sep 04 j 15:53	20° ♁ 38'50	0°51'48	transit middle	-11948 Aug 18 j 19:08	4° ♁ 10'29	0°00'53
minimum elong	-11949 Sep 04 j 14:42	20° ♁ 42'42	0°52'01	transit begin	-11948 Aug 18 j 16:25	4° ♁ 19'44	
min. Earth dist.	-11949 Sep 05 j 17:25	19° ♁ 15'32	0.66227 AU	transit end	-11948 Aug 18 j 21:51	4° ♁ 01'14	
morning rise	-11949 Sep 10 j 02:43	14° ♁ 19'50		asc. node	-11948 Aug 18 j 18:47	4° ♁ 11'41	
direct	-11949 Sep 15 j 22:59	11° ♁ 50'28		min. Earth dist.	-11948 Aug 19 j 09:42	3° ♁ 20'59	0.66855 AU
morning max el	-11949 Sep 28 j 00:38	18° ♁ 57'58	25°30'15		-11948 Aug 22 j 00:26	30° ♁	
	-11949 Oct 07 j 11:04	0° ♁		morning rise	-11948 Aug 24 j 03:37	27° ♁ 49'31	
desc. node	-11949 Oct 19 j 16:45	17° ♁ 27'10		direct	-11948 Aug 29 j 09:32	25° ♁ 36'36	
	-11949 Oct 27 j 12:07	0° ♁			-11948 Sep 07 j 02:23	0° ♁	
morning set	-11949 Nov 03 j 01:40	11° ♁ 25'35		morning max el	-11948 Sep 09 j 10:26	2° ♁ 13'11	24°10'56
max. Earth dist.	-11949 Nov 06 j 23:36	18° ♁ 38'40	1.36705 AU		-11948 Sep 30 j 14:04	0° ♁	
				desc. node	-11948 Oct 05 j 13:38	7° ♁ 40'06	
superior conj	-11949 Nov 12 j 18:39	29° ♁ 52'39	-1°37'52	morning set	-11948 Oct 14 j 20:45	22° ♁ 56'19	
minimum elong	-11949 Nov 12 j 19:02	29° ♁ 54'33	1°37'29		-11948 Oct 18 j 21:40	0° ♁	
	-11949 Nov 12 j 20:08	0° ♁		max. Earth dist.	-11948 Oct 18 j 23:15	0° ♁ 07'04	1.38598 AU
evening rise	-11949 Nov 20 j 18:36	16° ♁ 03'37					
	-11949 Nov 28 j 00:26	0° ♁		superior conj	-11948 Oct 26 j 00:35	13° ♁ 07'45	-1°36'16
asc. node	-11949 Nov 28 j 20:18	1° ♁ 26'54		minimum elong	-11948 Oct 25 j 23:18	13° ♁ 01'41	1°35'42
evening max el	-11949 Dec 08 j 12:21	14° ♁ 35'52	19°48'34	evening rise	-11948 Nov 03 j 18:11	0° ♁ 08'30	
retrograde	-11949 Dec 18 j 06:07	19° ♁ 10'56			-11948 Nov 03 j 16:27	0° ♁	
evening set	-11949 Dec 20 j 20:00	18° ♁ 53'09		asc. node	-11948 Nov 14 j 17:37	19° ♁ 54'29	
inferior conj	-11949 Dec 29 j 06:43	14° ♁ 48'35	3°46'27	evening max el	-11948 Nov 20 j 08:33	26° ♁ 53'41	18°54'40
minimum elong	-11949 Dec 29 j 11:22	14° ♁ 41'15	3°45'35		-11948 Nov 24 j 16:41	0° ♁	
min. Earth dist.	-11949 Dec 31 j 15:14	13° ♁ 19'46	0.56446 AU	retrograde	-11948 Nov 28 j 18:00	0° ♁ 56'11	
morning rise	-11948 Jan 07 j 00:42	10° ♁ 10'22		evening set	-11948 Dec 01 j 05:53	0° ♁ 36'14	
direct	-11948 Jan 11 j 10:08	9° ♁ 27'12			-11948 Dec 03 j 00:06	30° ♁	
desc. node	-11948 Jan 15 j 18:28	10° ♁ 10'30		inferior conj	-11948 Dec 09 j 03:50	26° ♁ 14'31	4°15'35
morning max el	-11948 Jan 25 j 04:25	16° ♁ 20'45	24°05'53	minimum elong	-11948 Dec 09 j 04:52	26° ♁ 12'40	4°15'37
	-11948 Feb 05 j 01:57	0° ♁		min. Earth dist.	-11948 Dec 12 j 05:35	24° ♁ 02'13	0.57924 AU
morning set	-11948 Feb 18 j 20:34	25° ♁ 23'01		morning rise	-11948 Dec 17 j 01:53	21° ♁ 12'32	
	-11948 Feb 21 j 00:50	0° ♁		direct	-11948 Dec 22 j 18:34	19° ♁ 55'15	
asc. node	-11948 Feb 24 j 18:00	8° ♁ 00'09		desc. node	-11947 Jan 01 j 15:10	23° ♁ 36'13	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning max el	-11947 Jan 05 j 19:24	27° \mathbb{M} 06'17	25°37'05	direct	-11947 Dec 04 j 14:13	0° \mathbb{M} 57'44	
	-11947 Jan 08 j 14:53	0° \mathbb{L}		morning max el	-11947 Dec 18 j 14:57	8° \mathbb{M} 18'52	26°47'43
	-11947 Jan 28 j 04:29	0° \mathbb{M}		desc. node	-11947 Dec 19 j 11:48	9° \mathbb{M} 09'54	
morning set	-11947 Feb 02 j 08:53	10° \mathbb{M} 28'22			-11946 Jan 04 j 03:36	0° \mathbb{L}	
				morning set	-11946 Jan 17 j 19:21	25° \mathbb{L} 27'37	
					-11946 Jan 19 j 23:00	0° \mathbb{M}	
superior conj	-11947 Feb 09 j 08:02	25° \mathbb{M} 28'54	-0°12'21				
minimum elong	-11947 Feb 09 j 08:33	25° \mathbb{M} 31'46	0°12'47				
behind sun begin	-11947 Feb 09 j 05:36	25° \mathbb{M} 15'41		superior conj	-11946 Jan 24 j 19:50	10° \mathbb{M} 32'57	-0°34'24
behind sun end	-11947 Feb 09 j 11:31	25° \mathbb{M} 47'51		minimum elong	-11946 Jan 24 j 21:09	10° \mathbb{M} 40'12	0°34'35
max. Earth dist.	-11947 Feb 10 j 03:24	27° \mathbb{M} 14'17	1.32962 AU	max. Earth dist.	-11946 Jan 24 j 16:50	10° \mathbb{M} 16'34	1.32780 AU
asc. node	-11947 Feb 10 j 15:13	28° \mathbb{M} 18'24		asc. node	-11946 Jan 28 j 12:27	18° \mathbb{M} 35'14	
	-11947 Feb 11 j 09:59	0° \mathbb{X}		evening rise	-11946 Jan 31 j 21:30	25° \mathbb{M} 45'37	
evening rise	-11947 Feb 16 j 13:35	10° \mathbb{X} 53'21			-11946 Feb 02 j 23:00	0° \mathbb{X}	
	-11947 Feb 26 j 14:44	0° \mathbb{Z}			-11946 Feb 20 j 13:16	0° \mathbb{Z}	
evening max el	-11947 Mar 19 j 16:46	29° \mathbb{Z} 02'36	27°06'15	evening max el	-11946 Mar 01 j 17:06	10° \mathbb{Z} 43'15	26°13'39
	-11947 Mar 20 j 17:13	0° \mathbb{A}		retrograde	-11946 Mar 15 j 20:05	18° \mathbb{Z} 03'17	
desc. node	-11947 Mar 30 j 15:44	6° \mathbb{A} 06'51		desc. node	-11946 Mar 17 j 12:50	17° \mathbb{Z} 56'01	
retrograde	-11947 Apr 02 j 17:50	6° \mathbb{A} 31'54		evening set	-11946 Mar 21 j 16:21	16° \mathbb{Z} 37'52	
evening set	-11947 Apr 09 j 07:59	4° \mathbb{A} 31'53		min. Earth dist.	-11946 Mar 26 j 06:25	13° \mathbb{Z} 46'25	0.58928 AU
min. Earth dist.	-11947 Apr 13 j 05:39	1° \mathbb{A} 39'17	0.60914 AU	inferior conj	-11946 Mar 29 j 13:54	11° \mathbb{Z} 13'48	-2°39'07
	-11947 Apr 15 j 02:55	30° \mathbb{R} \mathbb{Z}		minimum elong	-11946 Mar 29 j 10:32	11° \mathbb{Z} 20'19	2°39'08
inferior conj	-11947 Apr 16 j 11:35	28° \mathbb{Z} 46'43	-3°14'57	morning rise	-11946 Apr 06 j 07:46	6° \mathbb{Z} 42'08	
minimum elong	-11947 Apr 16 j 09:43	28° \mathbb{Z} 50'53	3°15'23	direct	-11946 Apr 08 j 16:26	6° \mathbb{Z} 22'37	
morning rise	-11947 Apr 23 j 13:33	23° \mathbb{Z} 55'00		morning max el	-11946 Apr 16 j 11:04	10° \mathbb{Z} 06'52	18°30'14
direct	-11947 Apr 26 j 02:39	23° \mathbb{Z} 28'02		asc. node	-11946 Apr 26 j 11:32	24° \mathbb{Z} 21'37	
morning max el	-11947 May 03 j 01:23	26° \mathbb{Z} 54'24	18°07'02		-11946 Apr 29 j 13:39	0° \mathbb{A}	
	-11947 May 05 j 19:25	0° \mathbb{A}		morning set	-11946 May 02 j 15:10	5° \mathbb{A} 48'21	
asc. node	-11947 May 09 j 14:40	5° \mathbb{A} 27'48					
morning set	-11947 May 19 j 06:16	22° \mathbb{A} 25'33		superior conj	-11946 May 11 j 23:46	23° \mathbb{A} 32'05	1°43'20
	-11947 May 23 j 09:21	0° \mathbb{H}		minimum elong	-11946 May 11 j 21:27	23° \mathbb{A} 21'25	1°42'47
					-11946 May 15 j 12:58	0° \mathbb{H}	
superior conj	-11947 May 29 j 19:02	11° \mathbb{H} 28'40	1°49'14	max. Earth dist.	-11946 May 19 j 04:26	6° \mathbb{H} 26'21	1.39889 AU
minimum elong	-11947 May 29 j 18:57	11° \mathbb{H} 28'16	1°49'00	evening rise	-11946 May 23 j 18:13	14° \mathbb{H} 14'31	
max. Earth dist.	-11947 Jun 06 j 02:48	24° \mathbb{H} 01'14	1.41711 AU		-11946 Jun 02 j 13:29	0° \mathbb{Y}	
	-11947 Jun 09 j 17:48	0° \mathbb{Y}		desc. node	-11946 Jun 13 j 10:23	16° \mathbb{Y} 02'52	
evening rise	-11947 Jun 12 j 10:57	4° \mathbb{Y} 23'08			-11946 Jun 24 j 04:50	0° \mathbb{B}	
desc. node	-11947 Jun 26 j 12:55	26° \mathbb{Y} 01'15		evening max el	-11946 Jun 27 j 13:31	3° \mathbb{B} 38'48	23°27'48
	-11947 Jun 29 j 06:27	0° \mathbb{B}		retrograde	-11946 Jul 07 j 23:29	9° \mathbb{B} 50'01	
evening max el	-11947 Jul 15 j 00:59	20° \mathbb{B} 19'14	22°06'01	evening set	-11946 Jul 13 j 02:02	7° \mathbb{B} 39'02	
retrograde	-11947 Jul 24 j 06:49	25° \mathbb{B} 47'48		inferior conj	-11946 Jul 18 j 07:11	1° \mathbb{B} 23'52	-1°33'53
evening set	-11947 Jul 28 j 19:00	23° \mathbb{B} 57'53		minimum elong	-11946 Jul 18 j 08:57	1° \mathbb{B} 17'47	1°32'57
inferior conj	-11947 Aug 03 j 00:50	17° \mathbb{B} 45'55	-0°48'44	min. Earth dist.	-11946 Jul 18 j 00:27	1° \mathbb{B} 47'01	0.67214 AU
minimum elong	-11947 Aug 03 j 01:50	17° \mathbb{B} 42'29	0°47'53		-11946 Jul 19 j 07:43	30° \mathbb{R} \mathbb{Y}	
min. Earth dist.	-11947 Aug 03 j 04:51	17° \mathbb{B} 32'04	0.67187 AU	morning rise	-11946 Jul 23 j 15:48	25° \mathbb{Y} 10'01	
asc. node	-11947 Aug 05 j 15:40	14° \mathbb{B} 16'30		asc. node	-11946 Jul 23 j 12:30	25° \mathbb{Y} 16'33	
morning rise	-11947 Aug 08 j 08:35	11° \mathbb{B} 26'45		direct	-11946 Jul 27 j 19:28	23° \mathbb{Y} 33'27	
direct	-11947 Aug 13 j 00:38	9° \mathbb{B} 32'09		morning max el	-11946 Aug 05 j 14:03	28° \mathbb{Y} 48'23	21°26'09
morning max el	-11947 Aug 22 j 22:05	15° \mathbb{B} 29'20	22°46'56		-11946 Aug 06 j 16:57	0° \mathbb{B}	
	-11947 Sep 03 j 15:15	0° \mathbb{I}			-11946 Aug 28 j 08:15	0° \mathbb{I}	
desc. node	-11947 Sep 22 j 10:34	28° \mathbb{I} 06'16		morning set	-11946 Sep 05 j 06:37	12° \mathbb{I} 15'53	
	-11947 Sep 23 j 14:58	0° \mathbb{E}		desc. node	-11946 Sep 09 j 07:36	18° \mathbb{I} 41'20	
morning set	-11947 Sep 25 j 14:07	3° \mathbb{E} 11'02		max. Earth dist.	-11946 Sep 13 j 03:43	24° \mathbb{I} 55'02	1.42367 AU
max. Earth dist.	-11947 Sep 30 j 23:05	12° \mathbb{E} 08'06	1.40576 AU		-11946 Sep 16 j 05:24	0° \mathbb{E}	
superior conj	-11947 Oct 08 j 13:47	25° \mathbb{E} 29'08	-1°25'04	superior conj	-11946 Sep 20 j 04:36	6° \mathbb{E} 42'37	-1°02'07
minimum elong	-11947 Oct 08 j 10:37	25° \mathbb{E} 14'52	1°24'12	minimum elong	-11946 Sep 20 j 00:22	6° \mathbb{E} 24'31	1°00'59
	-11947 Oct 11 j 01:11	0° \mathbb{O}		evening rise	-11946 Oct 01 j 11:36	26° \mathbb{E} 40'31	
evening rise	-11947 Oct 18 j 09:03	13° \mathbb{O} 43'38			-11946 Oct 03 j 07:48	0° \mathbb{O}	
	-11947 Oct 27 j 08:56	0° \mathbb{M}		evening max el	-11946 Oct 17 j 23:48	22° \mathbb{O} 46'50	18°07'25
asc. node	-11947 Nov 01 j 14:55	7° \mathbb{M} 33'11		asc. node	-11946 Oct 19 j 12:09	24° \mathbb{O} 08'54	
evening max el	-11947 Nov 03 j 13:13	9° \mathbb{M} 39'33	18°21'04	retrograde	-11946 Oct 24 j 20:16	26° \mathbb{O} 20'02	
retrograde	-11947 Nov 10 j 23:38	13° \mathbb{M} 21'57		evening set	-11946 Oct 27 j 08:58	25° \mathbb{O} 51'10	
evening set	-11947 Nov 13 j 10:58	12° \mathbb{M} 58'26		inferior conj	-11946 Nov 03 j 06:13	20° \mathbb{O} 47'25	3°43'22
inferior conj	-11947 Nov 20 j 20:13	8° \mathbb{M} 15'39	4°10'56	minimum elong	-11946 Nov 03 j 02:34	20° \mathbb{O} 56'06	3°43'09
minimum elong	-11947 Nov 20 j 18:04	8° \mathbb{M} 20'07	4°11'02	min. Earth dist.	-11946 Nov 06 j 03:26	18° \mathbb{O} 03'20	0.61559 AU
min. Earth dist.	-11947 Nov 24 j 00:35	5° \mathbb{M} 37'21	0.59720 AU	morning rise	-11946 Nov 09 j 18:54	15° \mathbb{O} 06'16	
morning rise	-11947 Nov 27 j 23:32	2° \mathbb{M} 52'24		direct	-11946 Nov 16 j 19:38	12° \mathbb{O} 41'55	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning max el	-11946 Nov 30 j 16:54	20° Ω 10'00	27°27'13	morning max el	-11945 Nov 12 j 23:52	2° Ω 37'02	27°32'07
desc. node	-11946 Dec 06 j 08:25	26° Ω 18'35		desc. node	-11945 Nov 23 j 05:02	14° Ω 34'51	
	-11946 Dec 09 j 06:52	0° \mathbb{N}			-11945 Dec 03 j 13:16	0° \mathbb{N}	
	-11946 Dec 27 j 21:54	0° $\underline{\Omega}$		morning set	-11945 Dec 17 j 02:22	24° \mathbb{N} 37'16	
morning set	-11945 Jan 02 j 01:57	10° $\underline{\Omega}$ 13'26			-11945 Dec 19 j 17:50	0° $\underline{\Omega}$	
max. Earth dist.	-11945 Jan 08 j 04:52	23° $\underline{\Omega}$ 11'09	1.32935 AU	max. Earth dist.	-11945 Dec 22 j 11:52	5° $\underline{\Omega}$ 45'37	1.33458 AU
superior conj	-11945 Jan 09 j 07:17	25° $\underline{\Omega}$ 34'36	-0°54'35	superior conj	-11945 Dec 24 j 16:40	10° $\underline{\Omega}$ 27'20	-1°12'07
minimum elong	-11945 Jan 09 j 09:09	25° $\underline{\Omega}$ 44'47	0°54'33	minimum elong	-11945 Dec 24 j 18:45	10° $\underline{\Omega}$ 38'30	1°11'57
	-11945 Jan 11 j 08:02	0° \mathbb{M}		evening rise	-11945 Dec 31 j 19:12	25° $\underline{\Omega}$ 40'29	
asc. node	-11945 Jan 15 j 09:44	8° \mathbb{M} 46'20		asc. node	-11944 Jan 02 j 07:05	28° $\underline{\Omega}$ 46'59	
evening rise	-11945 Jan 16 j 07:56	10° \mathbb{M} 43'28			-11944 Jan 02 j 21:20	0° \mathbb{M}	
	-11945 Jan 26 j 08:06	0° \mathbb{N}			-11944 Jan 21 j 13:38	0° \mathbb{N}	
evening max el	-11945 Feb 11 j 12:25	21° \mathbb{N} 51'30	24°55'37	evening max el	-11944 Jan 24 j 05:47	2° \mathbb{N} 43'59	23°23'32
retrograde	-11945 Feb 25 j 11:25	28° \mathbb{N} 52'56		retrograde	-11944 Feb 06 j 13:50	9° \mathbb{N} 13'35	
evening set	-11945 Mar 02 j 06:33	28° \mathbb{N} 00'02		evening set	-11944 Feb 10 j 08:04	8° \mathbb{N} 42'40	
desc. node	-11945 Mar 04 j 09:49	27° \mathbb{N} 04'54		min. Earth dist.	-11944 Feb 17 j 18:28	5° \mathbb{N} 16'06	0.55914 AU
min. Earth dist.	-11945 Mar 08 j 02:03	24° \mathbb{N} 56'31	0.57155 AU	inferior conj	-11944 Feb 19 j 09:00	4° \mathbb{N} 18'40	-0°01'28
inferior conj	-11945 Mar 10 j 20:57	23° \mathbb{N} 04'53	-1°34'10	minimum elong	-11944 Feb 19 j 08:55	4° \mathbb{N} 18'48	0°02'03
minimum elong	-11945 Mar 10 j 17:48	23° \mathbb{N} 10'10	1°33'58	transit middle	-11944 Feb 19 j 08:55	4° \mathbb{N} 18'48	0°02'03
morning rise	-11945 Mar 19 j 08:18	18° \mathbb{N} 50'34		transit begin	-11944 Feb 19 j 04:55	4° \mathbb{N} 24'46	
direct	-11945 Mar 21 j 12:59	18° \mathbb{N} 36'28		transit end	-11944 Feb 19 j 12:55	4° \mathbb{N} 12'50	
morning max el	-11945 Mar 30 j 14:11	22° \mathbb{N} 53'36	19°13'01	desc. node	-11944 Feb 19 j 06:43	4° \mathbb{N} 22'05	
	-11945 Apr 05 j 09:44	0° \mathbb{Z}		morning rise	-11944 Feb 28 j 11:50	0° \mathbb{N} 14'36	
asc. node	-11945 Apr 13 j 08:25	13° \mathbb{Z} 44'29		direct	-11944 Mar 01 j 16:29	0° \mathbb{N} 02'34	
morning set	-11945 Apr 16 j 11:01	19° \mathbb{Z} 47'57		morning max el	-11944 Mar 12 j 07:52	5° \mathbb{N} 05'27	20°15'30
	-11945 Apr 21 j 14:29	0° \approx			-11944 Mar 28 j 11:32	0° \mathbb{Z}	
superior conj	-11945 Apr 24 j 22:49	6° \approx 32'53	1°29'12	asc. node	-11944 Mar 30 j 05:25	3° \mathbb{Z} 29'31	
minimum elong	-11945 Apr 24 j 19:47	6° \approx 18'09	1°28'20	morning set	-11944 Mar 30 j 14:38	4° \mathbb{Z} 16'07	
max. Earth dist.	-11945 May 01 j 04:24	18° \approx 16'59	1.38026 AU	superior conj	-11944 Apr 07 j 11:24	20° \mathbb{Z} 18'05	1°09'58
evening rise	-11945 May 05 j 04:51	25° \approx 29'00		minimum elong	-11944 Apr 07 j 08:36	20° \mathbb{Z} 04'00	1°08'55
	-11945 May 07 j 19:25	0° \mathbb{H}			-11944 Apr 12 j 09:28	0° \approx	
	-11945 May 27 j 03:20	0° \mathbb{Y}		max. Earth dist.	-11944 Apr 12 j 09:24	29° \mathbb{Z} 59'41	1.36338 AU
desc. node	-11945 May 31 j 07:53	5° \mathbb{Y} 39'57		evening rise	-11944 Apr 16 j 14:32	7° \approx 55'33	
evening max el	-11945 Jun 09 j 23:22	16° \mathbb{Y} 59'10	24°49'00		-11944 Apr 29 j 13:01	0° \mathbb{H}	
retrograde	-11945 Jun 21 j 12:24	23° \mathbb{Y} 47'39		desc. node	-11944 May 17 j 05:20	24° \mathbb{H} 42'40	
evening set	-11945 Jun 27 j 05:38	21° \mathbb{Y} 17'58			-11944 May 22 j 00:40	0° \mathbb{Y}	
min. Earth dist.	-11945 Jul 01 j 18:07	16° \mathbb{Y} 03'13	0.66921 AU	evening max el	-11944 May 22 j 09:20	0° \mathbb{Y} 21'39	26°00'57
inferior conj	-11945 Jul 02 j 12:22	15° \mathbb{Y} 02'03	-2°13'50	retrograde	-11944 Jun 03 j 20:50	7° \mathbb{Y} 36'23	
minimum elong	-11945 Jul 02 j 14:36	14° \mathbb{Y} 54'34	2°13'02	evening set	-11944 Jun 10 j 03:41	4° \mathbb{Y} 53'32	
morning rise	-11945 Jul 07 j 23:32	8° \mathbb{Y} 56'52		min. Earth dist.	-11944 Jun 14 j 07:29	0° \mathbb{Y} 18'07	0.66276 AU
asc. node	-11945 Jul 10 j 09:17	7° \mathbb{Y} 46'39			-11944 Jun 14 j 13:12	30° \mathbb{H}	
direct	-11945 Jul 11 j 16:42	7° \mathbb{Y} 36'55		inferior conj	-11944 Jun 15 j 14:35	28° \mathbb{H} 39'00	-2°47'06
morning max el	-11945 Jul 19 j 12:03	12° \mathbb{Y} 12'13	20°14'35	minimum elong	-11944 Jun 15 j 16:52	28° \mathbb{H} 31'41	2°46'38
	-11945 Aug 01 j 20:09	0° \mathbb{Z}		morning rise	-11944 Jun 21 j 06:07	22° \mathbb{H} 45'43	
morning set	-11945 Aug 15 j 09:48	20° \mathbb{Z} 44'38		direct	-11944 Jun 24 j 14:42	21° \mathbb{H} 40'30	
	-11945 Aug 21 j 07:41	0° \mathbb{H}		asc. node	-11944 Jun 26 j 06:04	21° \mathbb{H} 55'22	
max. Earth dist.	-11945 Aug 26 j 14:24	8° \mathbb{H} 23'29	1.43727 AU	morning max el	-11944 Jul 01 j 16:31	25° \mathbb{H} 42'57	19°16'23
desc. node	-11945 Aug 27 j 04:45	9° \mathbb{H} 20'59			-11944 Jul 05 j 08:04	0° \mathbb{Y}	
superior conj	-11945 Aug 31 j 16:13	16° \mathbb{H} 36'11	-0°26'40	morning set	-11944 Jul 24 j 19:41	29° \mathbb{Y} 33'30	
minimum elong	-11945 Aug 31 j 13:34	16° \mathbb{H} 25'21	0°25'40		-11944 Jul 25 j 02:24	0° \mathbb{Z}	
	-11945 Sep 08 j 17:32	0° \mathbb{Z}		max. Earth dist.	-11944 Aug 08 j 05:53	22° \mathbb{Z} 20'28	1.44476 AU
evening rise	-11945 Sep 13 j 20:56	8° \mathbb{Z} 46'45		superior conj	-11944 Aug 10 j 02:29	25° \mathbb{Z} 17'24	0°17'41
	-11945 Sep 26 j 16:32	0° Ω		minimum elong	-11944 Aug 10 j 04:40	25° \mathbb{Z} 26'04	0°17'59
evening max el	-11945 Oct 01 j 13:15	6° Ω 07'38	18°12'49	desc. node	-11944 Aug 13 j 02:01	0° \mathbb{H} 02'11	
asc. node	-11945 Oct 06 j 09:20	9° Ω 24'57			-11944 Aug 13 j 01:28	0° \mathbb{H}	
retrograde	-11945 Oct 08 j 04:01	9° Ω 41'17		evening rise	-11944 Aug 25 j 07:27	19° \mathbb{H} 48'55	
evening set	-11945 Oct 10 j 20:12	9° Ω 04'42			-11944 Aug 31 j 12:37	0° \mathbb{Z}	
inferior conj	-11945 Oct 17 j 06:31	3° Ω 41'50	3°02'08	evening max el	-11944 Sep 14 j 02:35	19° \mathbb{Z} 35'40	18°36'12
minimum elong	-11945 Oct 17 j 02:47	3° Ω 51'49	3°01'44	retrograde	-11944 Sep 20 j 19:07	23° \mathbb{Z} 18'52	
min. Earth dist.	-11945 Oct 19 j 15:52	1° Ω 09'06	0.63235 AU	asc. node	-11944 Sep 22 j 06:28	23° \mathbb{Z} 06'45	
	-11945 Oct 20 j 19:16	30° \mathbb{H}		evening set	-11944 Sep 23 j 17:01	22° \mathbb{Z} 31'45	
morning rise	-11945 Oct 23 j 08:30	27° \mathbb{Z} 45'49		inferior conj	-11944 Sep 29 j 17:52	16° \mathbb{Z} 52'36	2°13'38
direct	-11945 Oct 30 j 08:47	25° \mathbb{Z} 05'14		minimum elong	-11944 Sep 29 j 14:52	17° \mathbb{Z} 01'23	2°13'18
	-11945 Nov 10 j 02:12	0° Ω		min. Earth dist.	-11944 Oct 01 j 14:14	14° \mathbb{Z} 42'26	0.64636 AU

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning rise	-11944 Oct 05 j 12:10	10° ☿ 44'45	direct	-11943 Sep 25 j 06:20	21° ♄ 22'01	
direct	-11944 Oct 12 j 04:29	8° ☿ 01'12	morning max el	-11943 Oct 07 j 20:06	28° ♄ 41'46	26°10'30
morning max el	-11944 Oct 25 j 09:38	15° ☿ 31'23	27°04'35	-11943 Oct 09 j 02:45	0° ☿	
	-11944 Nov 06 j 11:30	0° ♄	desc. node	-11943 Oct 26 j 22:28	23° ☿ 18'06	
desc. node	-11944 Nov 09 j 01:43	3° ♄ 39'19		-11943 Oct 31 j 06:04	0° ♄	
	-11944 Nov 25 j 05:10	0° ♄	morning set	-11943 Nov 12 j 19:39	21° ♄ 38'11	
morning set	-11944 Nov 29 j 17:33	8° ♄ 29'20	max. Earth dist.	-11943 Nov 16 j 22:45	29° ♄ 28'56	1.35743 AU
max. Earth dist.	-11944 Dec 04 j 10:34	17° ♄ 51'39	1.34390 AU	-11943 Nov 17 j 05:08	0° ♄	
superior conj	-11944 Dec 07 j 22:02	25° ♄ 04'09	-1°26'06	superior conj	-11943 Nov 21 j 20:56	9° ♄ 17'26
minimum elong	-11944 Dec 07 j 23:53	25° ♄ 13'51	1°25'51	minimum elong	-11943 Nov 21 j 22:01	9° ♄ 22'58
	-11944 Dec 10 j 06:06	0° ♄	evening rise	-11943 Nov 29 j 13:33	25° ♄ 08'26	
evening rise	-11944 Dec 15 j 05:39	10° ♄ 30'42		-11943 Dec 01 j 23:10	0° ♄	
asc. node	-11944 Dec 19 j 04:28	18° ♄ 31'25		asc. node	-11943 Dec 06 j 01:50	7° ♄ 53'08
	-11944 Dec 25 j 12:34	0° ♄	evening max el	-11943 Dec 18 j 06:19	25° ♄ 07'15	20°28'19
evening max el	-11943 Jan 05 j 02:06	13° ♄ 42'32	21°50'39	-11943 Dec 27 j 05:45	0° ♄	
retrograde	-11943 Jan 17 j 06:08	19° ♄ 28'59		retrograde	-11943 Dec 28 j 21:56	0° ♄ 07'13
evening set	-11943 Jan 20 j 06:54	19° ♄ 08'28		-11943 Dec 30 j 14:47	30° ♄	
inferior conj	-11943 Jan 29 j 08:15	15° ♄ 05'08	1°43'02	evening set	-11943 Dec 31 j 13:53	29° ♄ 49'45
minimum elong	-11943 Jan 29 j 12:28	14° ♄ 59'08	1°41'18	inferior conj	-11942 Jan 09 j 07:12	25° ♄ 49'50
min. Earth dist.	-11943 Jan 29 j 08:47	15° ♄ 04'22	0.55451 AU	minimum elong	-11942 Jan 09 j 12:56	25° ♄ 41'18
desc. node	-11943 Feb 05 j 03:32	11° ♄ 42'04		min. Earth dist.	-11942 Jan 10 j 22:15	24° ♄ 51'45
morning rise	-11943 Feb 07 j 18:09	10° ♄ 58'23		morning rise	-11942 Jan 18 j 10:26	21° ♄ 25'12
direct	-11943 Feb 10 j 08:44	10° ♄ 43'03		direct	-11942 Jan 22 j 01:00	20° ♄ 56'34
morning max el	-11943 Feb 22 j 14:17	16° ♄ 36'29	21°36'16	desc. node	-11942 Jan 23 j 00:17	20° ♄ 58'42
	-11943 Mar 04 j 20:34	0° ♄	morning max el	-11942 Feb 04 j 10:37	27° ♄ 33'02	23°10'00
morning set	-11943 Mar 14 j 23:18	19° ♄ 03'46		-11942 Feb 06 j 19:49	0° ♄	
asc. node	-11943 Mar 17 j 02:30	23° ♄ 30'06		-11942 Feb 25 j 11:39	0° ♄	
	-11943 Mar 20 j 04:48	0° ♄	morning set	-11942 Feb 27 j 10:51	4° ♄ 03'38	
			asc. node	-11942 Mar 03 j 23:39	13° ♄ 41'08	
superior conj	-11943 Mar 22 j 09:32	4° ♄ 35'28	0°47'52	superior conj	-11942 Mar 06 j 14:15	19° ♄ 15'45
minimum elong	-11943 Mar 22 j 07:31	4° ♄ 24'58	0°46'50	minimum elong	-11942 Mar 06 j 13:14	19° ♄ 10'16
max. Earth dist.	-11943 Mar 25 j 23:40	11° ♄ 57'01	1.34948 AU	max. Earth dist.	-11942 Mar 08 j 23:44	24° ♄ 19'36
evening rise	-11943 Mar 30 j 17:22	21° ♄ 16'26		-11942 Mar 11 j 17:29	0° ♄	
	-11943 Apr 04 j 10:03	0° ♄	evening rise	-11942 Mar 14 j 08:33	5° ♄ 17'05	
	-11943 Apr 23 j 08:37	0° ♄		-11942 Mar 28 j 02:37	0° ♄	
desc. node	-11943 May 04 j 02:45	12° ♄ 56'20		evening max el	-11942 Apr 17 j 06:30	26° ♄ 43'05
evening max el	-11943 May 04 j 20:04	13° ♄ 39'37	26°55'07	-11942 Apr 20 j 23:34	0° ♄	
retrograde	-11943 May 18 j 00:13	21° ♄ 09'12		desc. node	-11942 Apr 21 j 00:04	0° ♄ 00'59
evening set	-11943 May 24 j 17:41	18° ♄ 22'12		retrograde	-11942 Apr 30 j 22:10	4° ♄ 18'12
min. Earth dist.	-11943 May 28 j 14:19	14° ♄ 25'25	0.65238 AU	evening set	-11942 May 07 j 20:43	1° ♄ 39'20
inferior conj	-11943 May 30 j 11:38	12° ♄ 11'14	-3°11'53	-11942 May 09 j 19:13	30° ♄	
minimum elong	-11943 May 30 j 13:29	12° ♄ 05'44	3°11'52	min. Earth dist.	-11942 May 11 j 13:00	28° ♄ 15'57
morning rise	-11943 Jun 05 j 09:36	6° ♄ 32'36		inferior conj	-11942 May 14 j 00:58	25° ♄ 34'34
direct	-11943 Jun 08 j 11:16	5° ♄ 40'16		minimum elong	-11942 May 14 j 01:47	25° ♄ 32'22
asc. node	-11943 Jun 13 j 02:52	7° ♄ 32'47		morning rise	-11942 May 20 j 07:41	20° ♄ 12'52
morning max el	-11943 Jun 15 j 02:19	9° ♄ 19'03	18°34'05	direct	-11942 May 23 j 03:47	19° ♄ 31'39
	-11943 Jun 29 j 09:48	0° ♄	morning max el	-11942 May 29 j 15:25	22° ♄ 56'57	18°09'06
morning set	-11943 Jul 05 j 03:01	9° ♄ 21'45		asc. node	-11942 May 30 j 23:41	24° ♄ 23'34
	-11943 Jul 17 j 21:31	0° ♄	morning set	-11942 Jun 04 j 04:47	0° ♄	
superior conj	-11943 Jul 20 j 02:24	3° ♄ 30'20	1°01'04	-11942 Jun 16 j 11:37	20° ♄ 20'13	
minimum elong	-11943 Jul 20 j 08:42	3° ♄ 55'23	1°00'45	-11942 Jun 22 j 03:58	0° ♄	
max. Earth dist.	-11943 Jul 21 j 22:51	6° ♄ 26'40	1.44520 AU	superior conj	-11942 Jun 29 j 14:21	12° ♄ 19'46
desc. node	-11943 Jul 30 j 23:23	20° ♄ 41'42		minimum elong	-11942 Jun 29 j 19:54	12° ♄ 42'23
evening rise	-11943 Aug 05 j 14:49	29° ♄ 35'49		max. Earth dist.	-11942 Jul 04 j 13:38	20° ♄ 21'55
	-11943 Aug 05 j 20:57	0° ♄	evening rise	-11942 Jul 10 j 15:22	0° ♄	
	-11943 Aug 25 j 19:51	0° ♄		-11942 Jul 15 j 22:12	8° ♄ 15'28	
evening max el	-11943 Aug 28 j 12:58	3° ♄ 05'48	19°16'34	desc. node	-11942 Jul 17 j 20:48	11° ♄ 16'01
retrograde	-11943 Sep 04 j 14:23	7° ♄ 07'33		-11942 Jul 30 j 04:42	0° ♄	
evening set	-11943 Sep 07 j 20:13	6° ♄ 06'45		evening max el	-11942 Aug 11 j 17:58	16° ♄ 33'40
asc. node	-11943 Sep 09 j 03:32	5° ♄ 08'57		retrograde	-11942 Aug 19 j 11:07	21° ♄ 03'01
inferior conj	-11943 Sep 13 j 13:18	0° ♄ 14'35	1°21'57	evening set	-11942 Aug 23 j 03:07	19° ♄ 45'16
minimum elong	-11943 Sep 13 j 11:25	0° ♄ 20'31	1°21'55	asc. node	-11942 Aug 27 j 00:32	15° ♄ 46'43
	-11943 Sep 13 j 17:54	30° ♄	inferior conj	-11942 Aug 28 j 14:18	13° ♄ 43'17	0°29'45
min. Earth dist.	-11943 Sep 14 j 21:21	28° ♄ 33'14	0.65725 AU	minimum elong	-11942 Aug 28 j 13:38	13° ♄ 45'32
morning rise	-11943 Sep 19 j 02:15	23° ♄ 58'25				

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

min. Earth dist.	-11942 Aug 29 j 11:04	12° Π 34'06	0.66520 AU	min. Earth dist.	-11941 Aug 13 j 04:57	26° \mathcal{B} 42'06	0.67028 AU
morning rise	-11942 Sep 02 j 23:53	7° Π 22'46		asc. node	-11941 Aug 13 j 21:28	25° \mathcal{B} 45'50	
direct	-11942 Sep 08 j 13:56	5° Π 00'02		morning rise	-11941 Aug 18 j 02:45	20° \mathcal{B} 56'02	
morning max el	-11942 Sep 20 j 05:56	11° Π 56'37	24°57'42	direct	-11941 Aug 23 j 02:40	18° \mathcal{B} 50'35	
	-11942 Oct 04 j 19:26	0° \mathcal{E}		morning max el	-11941 Sep 02 j 16:04	25° \mathcal{B} 11'35	23°35'12
desc. node	-11942 Oct 13 j 19:16	13° \mathcal{E} 20'20			-11941 Sep 06 j 23:46	0° Π	
	-11942 Oct 23 j 23:13	0° \mathcal{Q}			-11941 Sep 28 j 08:19	0° \mathcal{E}	
morning set	-11942 Oct 26 j 03:34	3° \mathcal{Q} 48'35		desc. node	-11941 Sep 30 j 16:10	3° \mathcal{E} 39'14	
max. Earth dist.	-11942 Oct 30 j 01:09	10° \mathcal{Q} 50'20	1.37476 AU	morning set	-11941 Oct 07 j 12:01	14° \mathcal{E} 47'14	
				max. Earth dist.	-11941 Oct 11 j 23:28	22° \mathcal{E} 26'55	1.39442 AU
					-11941 Oct 16 j 05:20	0° \mathcal{Q}	
superior conj	-11942 Nov 05 j 10:08	22° \mathcal{Q} 56'25	-1°38'14	superior conj	-11941 Oct 19 j 09:32	5° \mathcal{Q} 50'04	-1°32'50
minimum elong	-11942 Nov 05 j 09:52	22° \mathcal{Q} 55'09	1°37'47	minimum elong	-11941 Oct 19 j 07:27	5° \mathcal{Q} 40'21	1°32'09
	-11942 Nov 08 j 23:47	0° \mathcal{P}		evening rise	-11941 Oct 28 j 12:58	23° \mathcal{Q} 18'53	
evening rise	-11942 Nov 13 j 16:47	9° \mathcal{P} 26'30			-11941 Nov 01 j 00:46	0° \mathcal{P}	
asc. node	-11942 Nov 22 j 23:10	26° \mathcal{P} 43'06		asc. node	-11941 Nov 09 j 20:27	14° \mathcal{P} 51'11	
	-11942 Nov 25 j 01:37	0° \mathcal{A}		evening max el	-11941 Nov 13 j 20:53	19° \mathcal{P} 36'15	18°37'57
evening max el	-11942 Nov 30 j 20:45	7° \mathcal{A} 05'44	19°23'13	retrograde	-11941 Nov 21 j 19:12	23° \mathcal{P} 28'17	
retrograde	-11942 Dec 10 j 00:04	11° \mathcal{A} 25'36		evening set	-11941 Nov 24 j 06:45	23° \mathcal{P} 06'57	
evening set	-11942 Dec 12 j 12:40	11° \mathcal{A} 07'15		inferior conj	-11941 Dec 01 j 23:17	18° \mathcal{P} 36'50	4°17'04
inferior conj	-11942 Dec 20 j 18:04	6° \mathcal{A} 56'29	4°03'33	minimum elong	-11941 Dec 01 j 22:47	18° \mathcal{P} 37'47	4°17'13
minimum elong	-11942 Dec 20 j 21:18	6° \mathcal{A} 51'06	4°03'09	min. Earth dist.	-11941 Dec 05 j 03:55	16° \mathcal{P} 10'48	0.58672 AU
min. Earth dist.	-11942 Dec 23 j 11:59	5° \mathcal{A} 07'08	0.57014 AU	morning rise	-11941 Dec 09 j 12:58	13° \mathcal{P} 25'30	
morning rise	-11942 Dec 29 j 03:45	2° \mathcal{A} 07'29		direct	-11941 Dec 15 j 16:43	11° \mathcal{P} 51'37	
direct	-11941 Jan 03 j 02:56	1° \mathcal{A} 10'56		desc. node	-11941 Dec 27 j 17:36	17° \mathcal{P} 18'58	
desc. node	-11941 Jan 09 j 20:58	2° \mathcal{A} 55'26		morning max el	-11941 Dec 29 j 17:44	19° \mathcal{P} 07'41	26°10'17
morning max el	-11941 Jan 17 j 01:34	8° \mathcal{A} 14'13	24°46'11		-11940 Jan 07 j 23:32	0° \mathcal{A}	
	-11941 Feb 02 j 01:40	0° \mathcal{M}			-11940 Jan 25 j 10:24	0° \mathcal{M}	
morning set	-11941 Feb 11 j 23:22	19° \mathcal{M} 08'24		morning set	-11940 Jan 27 j 11:05	4° \mathcal{M} 11'27	
	-11941 Feb 17 j 00:58	0° \mathcal{X}					
superior conj	-11941 Feb 18 j 23:11	4° \mathcal{X} 10'35	0°00'57	superior conj	-11940 Feb 03 j 10:25	19° \mathcal{M} 13'05	-0°21'52
minimum elong	-11941 Feb 18 j 23:11	4° \mathcal{X} 10'32	0°00'21	minimum elong	-11940 Feb 03 j 11:19	19° \mathcal{M} 17'57	0°22'13
behind sun begin	-11941 Feb 18 j 18:06	3° \mathcal{X} 43'03		max. Earth dist.	-11940 Feb 03 j 20:04	20° \mathcal{M} 05'44	1.32848 AU
behind sun end	-11941 Feb 19 j 04:15	4° \mathcal{X} 38'00		asc. node	-11940 Feb 05 j 18:01	24° \mathcal{M} 15'40	
asc. node	-11941 Feb 18 j 20:49	3° \mathcal{X} 57'42			-11940 Feb 08 j 10:11	0° \mathcal{X}	
max. Earth dist.	-11941 Feb 20 j 07:35	7° \mathcal{X} 05'29	1.33212 AU	evening rise	-11940 Feb 10 j 13:57	4° \mathcal{X} 31'18	
evening rise	-11941 Feb 26 j 08:20	19° \mathcal{X} 45'16			-11940 Feb 24 j 08:56	0° \mathcal{Z}	
	-11941 Mar 03 j 13:59	0° \mathcal{Z}		evening max el	-11940 Mar 11 j 18:38	21° \mathcal{Z} 24'48	26°47'35
	-11941 Mar 22 j 09:52	0° \approx		desc. node	-11940 Mar 24 j 18:27	28° \mathcal{Z} 47'20	
evening max el	-11941 Mar 30 j 14:46	9° \approx 21'19	27°22'14	retrograde	-11940 Mar 25 j 21:12	28° \mathcal{Z} 50'33	
desc. node	-11941 Apr 07 j 21:18	15° \approx 29'16		evening set	-11940 Apr 01 j 04:41	27° \mathcal{Z} 05'16	
retrograde	-11941 Apr 13 j 13:44	16° \approx 54'36		min. Earth dist.	-11940 Apr 05 j 07:59	24° \mathcal{Z} 14'37	0.60061 AU
evening set	-11941 Apr 20 j 09:27	14° \approx 37'22		inferior conj	-11940 Apr 08 j 15:47	21° \mathcal{Z} 28'01	-3°03'04
min. Earth dist.	-11941 Apr 24 j 02:47	11° \approx 37'10	0.62028 AU	minimum elong	-11940 Apr 08 j 13:10	21° \mathcal{Z} 33'31	3°03'21
inferior conj	-11941 Apr 27 j 03:33	8° \approx 43'02	-3°24'27	morning rise	-11940 Apr 16 j 00:09	16° \mathcal{Z} 44'34	
minimum elong	-11941 Apr 27 j 02:45	8° \approx 44'58	3°24'58	direct	-11940 Apr 18 j 11:20	16° \mathcal{Z} 20'57	
morning rise	-11941 May 03 j 21:39	3° \approx 39'55		morning max el	-11940 Apr 25 j 17:19	19° \mathcal{Z} 53'30	18°14'28
direct	-11941 May 06 j 13:04	3° \approx 08'13			-11940 May 03 j 06:20	0° \approx	
morning max el	-11941 May 13 j 05:20	6° \approx 31'05	18°02'21	asc. node	-11940 May 03 j 17:19	0° \approx 45'24	
asc. node	-11941 May 17 j 20:30	12° \approx 12'20		morning set	-11940 May 11 j 19:40	15° \approx 21'18	
	-11941 May 28 j 10:41	0° \mathcal{H}			-11940 May 19 j 17:04	0° \mathcal{H}	
morning set	-11941 May 29 j 18:48	2° \mathcal{H} 23'58					
superior conj	-11941 Jun 10 j 03:46	22° \mathcal{H} 24'34	1°47'24	superior conj	-11940 May 21 j 19:24	3° \mathcal{H} 47'37	1°47'59
minimum elong	-11941 Jun 10 j 05:39	22° \mathcal{H} 32'37	1°47'14	minimum elong	-11940 May 21 j 18:10	3° \mathcal{H} 42'03	1°47'37
	-11941 Jun 14 j 15:55	0° \mathcal{Y}		max. Earth dist.	-11940 May 29 j 04:44	16° \mathcal{H} 41'47	1.40961 AU
max. Earth dist.	-11941 Jun 16 j 23:53	3° \mathcal{Y} 50'53	1.42630 AU	evening rise	-11940 Jun 03 j 15:12	25° \mathcal{H} 44'06	
evening rise	-11941 Jun 24 j 22:52	16° \mathcal{Y} 36'53			-11940 Jun 06 j 06:36	0° \mathcal{Y}	
	-11941 Jul 03 j 15:16	0° \mathcal{B}		desc. node	-11940 Jun 20 j 15:46	21° \mathcal{Y} 53'52	
desc. node	-11941 Jul 04 j 18:16	1° \mathcal{B} 41'47			-11940 Jun 26 j 10:04	0° \mathcal{B}	
evening max el	-11941 Jul 25 j 16:14	29° \mathcal{B} 58'13	21°21'43	evening max el	-11940 Jul 07 j 07:55	13° \mathcal{B} 19'09	22°40'27
	-11941 Jul 25 j 16:56	0° Π		retrograde	-11940 Jul 17 j 01:28	19° \mathcal{B} 05'27	
retrograde	-11941 Aug 03 j 07:19	5° Π 03'16		evening set	-11940 Jul 21 j 19:40	17° \mathcal{B} 06'36	
evening set	-11941 Aug 07 j 11:35	3° Π 25'48		inferior conj	-11940 Jul 27 j 00:58	10° \mathcal{B} 53'14	-1°08'28
	-11941 Aug 10 j 17:59	30° \mathcal{R} \mathcal{B}		minimum elong	-11940 Jul 27 j 02:19	10° \mathcal{B} 48'33	1°07'32
inferior conj	-11941 Aug 12 j 18:49	27° \mathcal{B} 16'52	-0°20'54	min. Earth dist.	-11940 Jul 27 j 00:32	10° \mathcal{B} 54'45	0.67242 AU
minimum elong	-11941 Aug 12 j 19:15	27° \mathcal{B} 15'23	0°20'10	asc. node	-11940 Jul 30 j 18:19	6° \mathcal{B} 07'36	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning rise	-11940 Aug 01 j 08:53	4° $\text{8}^{\circ}35'57$		minimum elong	-11939 Jul 11 j 09:03	24° $\text{Y}^{\circ}24'23$	1°50'39
direct	-11940 Aug 05 j 19:35	2° $\text{8}^{\circ}48'54$		min. Earth dist.	-11939 Jul 10 j 19:30	25° $\text{Y}^{\circ}10'35$	0.67140 AU
morning max el	-11940 Aug 15 j 05:03	8° $\text{8}^{\circ}27'37$	22°11'42	morning rise	-11939 Jul 16 j 16:33	18° $\text{Y}^{\circ}20'56$	
	-11940 Aug 31 j 17:50	0° II		asc. node	-11939 Jul 17 j 15:09	17° $\text{Y}^{\circ}43'15$	
morning set	-11940 Sep 16 j 18:02	24° $\text{II}^{\circ}29'00$		direct	-11939 Jul 20 j 15:34	16° $\text{Y}^{\circ}51'41$	
desc. node	-11940 Sep 16 j 13:09	24° $\text{II}^{\circ}09'27$		morning max el	-11939 Jul 28 j 23:31	21° $\text{Y}^{\circ}48'33$	20°54'16
	-11940 Sep 20 j 03:42	0° ☿			-11939 Aug 04 j 17:49	0° 8	
max. Earth dist.	-11940 Sep 23 j 00:56	4° $\text{☿}^{\circ}46'39$	1.41381 AU		-11939 Aug 25 j 01:15	0° II	
				morning set	-11939 Aug 27 j 02:45	3° $\text{II}^{\circ}12'26$	
superior conj	-11940 Sep 30 j 13:55	17° $\text{☿}^{\circ}44'15$	-1°16'52	desc. node	-11939 Sep 03 j 10:16	14° $\text{II}^{\circ}46'53$	
minimum elong	-11940 Sep 30 j 10:07	17° $\text{☿}^{\circ}27'26$	1°15'52	max. Earth dist.	-11939 Sep 05 j 08:49	17° $\text{II}^{\circ}54'47$	1.43015 AU
	-11940 Oct 07 j 08:53	0° ♈					
evening rise	-11940 Oct 10 j 23:02	6° $\text{♈}^{\circ}38'26$		superior conj	-11939 Sep 11 j 17:31	28° $\text{II}^{\circ}24'11$	-0°48'31
	-11940 Oct 24 j 22:09	0° ♐		minimum elong	-11939 Sep 11 j 13:31	28° $\text{II}^{\circ}07'28$	0°47'22
asc. node	-11940 Oct 26 j 17:42	2° $\text{♐}^{\circ}04'49$			-11939 Sep 12 j 16:18	0° ☿	
evening max el	-11940 Oct 27 j 04:26	2° $\text{♐}^{\circ}32'05$	18°12'54	evening rise	-11939 Sep 23 j 18:55	19° $\text{☿}^{\circ}15'27$	
retrograde	-11940 Nov 03 j 07:37	6° $\text{♐}^{\circ}09'03$			-11939 Sep 29 j 21:38	0° ♈	
evening set	-11940 Nov 05 j 19:27	5° $\text{♐}^{\circ}43'20$		evening max el	-11939 Oct 10 j 16:33	15° $\text{♈}^{\circ}45'29$	18°07'25
inferior conj	-11940 Nov 12 j 23:26	0° $\text{♐}^{\circ}51'18$	4°01'24	asc. node	-11939 Oct 13 j 14:56	18° $\text{♈}^{\circ}08'36$	
minimum elong	-11940 Nov 12 j 20:27	0° $\text{♐}^{\circ}57'54$	4°01'23	retrograde	-11939 Oct 17 j 09:39	19° $\text{♈}^{\circ}18'02$	
	-11940 Nov 13 j 22:32	30° ♋°		evening set	-11939 Oct 19 j 23:34	18° $\text{♈}^{\circ}46'09$	
min. Earth dist.	-11940 Nov 16 j 01:35	28° $\text{♈}^{\circ}08'28$	0.60514 AU	inferior conj	-11939 Oct 26 j 15:57	13° $\text{♈}^{\circ}33'37$	3°27'07
morning rise	-11940 Nov 19 j 20:03	25° $\text{♈}^{\circ}20'26$		minimum elong	-11939 Oct 26 j 12:08	13° $\text{♈}^{\circ}43'12$	3°26'47
direct	-11940 Nov 26 j 16:36	23° $\text{♈}^{\circ}11'51$		min. Earth dist.	-11939 Oct 29 j 08:18	10° $\text{♈}^{\circ}52'50$	0.62295 AU
	-11940 Dec 10 j 00:51	0° ♐		morning rise	-11939 Nov 01 j 23:38	7° $\text{♈}^{\circ}45'40$	
morning max el	-11940 Dec 10 j 15:48	0° $\text{♐}^{\circ}35'19$	27°08'47	direct	-11939 Nov 09 j 01:06	5° $\text{♈}^{\circ}13'05$	
desc. node	-11940 Dec 13 j 14:13	3° $\text{♐}^{\circ}36'34$		morning max el	-11939 Nov 22 j 20:19	12° $\text{♈}^{\circ}42'58$	27°33'44
	-11940 Dec 31 j 21:27	0° ♊		desc. node	-11939 Nov 30 j 10:49	21° $\text{♈}^{\circ}16'37$	
morning set	-11939 Jan 10 j 20:11	19° $\text{♊}^{\circ}06'10$			-11939 Dec 06 j 19:15	0° ♐	
	-11939 Jan 15 j 23:05	0° ♌			-11939 Dec 24 j 03:53	0° ♊	
				morning set	-11939 Dec 26 j 00:29	3° $\text{♊}^{\circ}43'48$	
superior conj	-11939 Jan 17 j 22:17	4° $\text{♌}^{\circ}17'08$	-0°43'13	max. Earth dist.	-11939 Dec 31 j 20:05	15° $\text{♊}^{\circ}55'56$	1.33108 AU
minimum elong	-11939 Jan 17 j 23:53	4° $\text{♌}^{\circ}25'51$	0°43'19				
max. Earth dist.	-11939 Jan 17 j 09:32	3° $\text{♌}^{\circ}07'31$	1.32806 AU	superior conj	-11938 Jan 02 j 09:04	19° $\text{♊}^{\circ}15'33$	-1°02'24
asc. node	-11939 Jan 22 j 15:16	14° $\text{♌}^{\circ}30'55$		minimum elong	-11938 Jan 02 j 11:05	19° $\text{♊}^{\circ}26'25$	1°02'18
evening rise	-11939 Jan 24 j 23:12	19° $\text{♌}^{\circ}27'25$			-11938 Jan 07 j 08:10	0° ♌	
	-11939 Jan 30 j 04:59	0° ♍		evening rise	-11938 Jan 09 j 10:11	4° $\text{♌}^{\circ}25'35$	
	-11939 Feb 18 j 21:56	0° ☿		asc. node	-11938 Jan 09 j 12:35	4° $\text{♌}^{\circ}38'13$	
evening max el	-11939 Feb 21 j 16:51	2° $\text{☿}^{\circ}51'32$	25°43'02		-11938 Jan 23 j 07:54	0° ♍	
retrograde	-11939 Mar 07 j 18:42	10° $\text{☿}^{\circ}04'11$		evening max el	-11938 Feb 03 j 10:37	13° $\text{♍}^{\circ}49'42$	24°17'21
desc. node	-11939 Mar 11 j 15:28	9° $\text{☿}^{\circ}28'02$		retrograde	-11938 Feb 17 j 04:36	20° $\text{♍}^{\circ}39'42$	
evening set	-11939 Mar 13 j 05:02	8° $\text{☿}^{\circ}53'28$		evening set	-11938 Feb 21 j 12:53	19° $\text{♍}^{\circ}57'24$	
min. Earth dist.	-11939 Mar 18 j 06:11	5° $\text{☿}^{\circ}58'31$	0.58135 AU	desc. node	-11938 Feb 26 j 12:24	17° $\text{♍}^{\circ}39'05$	
inferior conj	-11939 Mar 21 j 10:13	3° $\text{☿}^{\circ}41'20$	-2°15'20	min. Earth dist.	-11938 Feb 27 j 23:54	16° $\text{♍}^{\circ}45'43$	0.56547 AU
minimum elong	-11939 Mar 21 j 06:39	3° $\text{☿}^{\circ}47'51$	2°15'11	inferior conj	-11938 Mar 02 j 08:49	15° $\text{♍}^{\circ}15'48$	-0°57'41
	-11939 Mar 27 j 09:35	30° ♋°		minimum elong	-11938 Mar 02 j 06:38	15° $\text{♍}^{\circ}19'16$	0°57'42
morning rise	-11939 Mar 29 j 11:26	29° $\text{♋}^{\circ}17'23$		morning rise	-11938 Mar 11 j 03:23	11° $\text{♍}^{\circ}07'32$	
direct	-11939 Mar 31 j 18:27	29° $\text{♋}^{\circ}00'20$		direct	-11938 Mar 13 j 07:22	10° $\text{♍}^{\circ}54'48$	
	-11939 Apr 04 j 22:19	0° ☿		morning max el	-11938 Mar 23 j 00:02	15° $\text{♍}^{\circ}29'34$	19°37'17
morning max el	-11939 Apr 09 j 00:33	2° $\text{☿}^{\circ}56'27$	18°45'58		-11938 Apr 02 j 10:34	0° ☿	
asc. node	-11939 Apr 20 j 14:12	19° $\text{☿}^{\circ}52'57$		asc. node	-11938 Apr 07 j 11:10	9° $\text{☿}^{\circ}26'06$	
morning set	-11939 Apr 25 j 09:45	29° $\text{☿}^{\circ}01'40$		morning set	-11938 Apr 09 j 09:16	13° $\text{☿}^{\circ}14'36$	
	-11939 Apr 25 j 21:46	0° ♊					
				superior conj	-11938 Apr 17 j 14:04	29° $\text{☿}^{\circ}39'23$	1°21'31
superior conj	-11939 May 04 j 08:39	16° $\text{♊}^{\circ}17'41$	1°38'09	minimum elong	-11938 Apr 17 j 11:02	29° $\text{☿}^{\circ}24'28$	1°20'34
minimum elong	-11939 May 04 j 05:53	16° $\text{♊}^{\circ}04'36$	1°37'26		-11938 Apr 17 j 18:15	0° ♊	
max. Earth dist.	-11939 May 11 j 05:34	28° $\text{♊}^{\circ}52'33$	1.39096 AU	max. Earth dist.	-11938 Apr 23 j 06:55	10° $\text{♊}^{\circ}36'30$	1.37277 AU
	-11939 May 11 j 20:48	0° ♋		evening rise	-11938 Apr 27 j 07:33	17° $\text{♊}^{\circ}58'33$	
evening rise	-11939 May 15 j 10:25	6° $\text{♋}^{\circ}11'36$			-11938 May 04 j 06:45	0° ♋	
	-11939 May 30 j 08:01	0° Y			-11938 May 24 j 12:40	0° Y	
desc. node	-11939 Jun 07 j 13:16	11° $\text{Y}^{\circ}46'05$		desc. node	-11938 May 25 j 10:44	1° $\text{Y}^{\circ}10'07$	
evening max el	-11939 Jun 19 j 19:00	26° $\text{Y}^{\circ}38'57$	24°02'49	evening max el	-11938 Jun 02 j 04:30	10° $\text{Y}^{\circ}00'05$	25°21'08
	-11939 Jun 23 j 12:31	0° 8		retrograde	-11938 Jun 14 j 03:44	17° $\text{Y}^{\circ}01'36$	
retrograde	-11939 Jun 30 j 16:31	3° $\text{8}^{\circ}06'24$		evening set	-11938 Jun 20 j 03:04	14° $\text{Y}^{\circ}25'05$	
evening set	-11939 Jul 06 j 01:29	0° $\text{8}^{\circ}46'50$		min. Earth dist.	-11938 Jun 24 j 11:35	9° $\text{Y}^{\circ}27'11$	0.66694 AU
	-11939 Jul 06 j 21:19	30° ♋°		inferior conj	-11938 Jun 25 j 11:14	8° $\text{Y}^{\circ}09'23$	-2°28'52
inferior conj	-11939 Jul 11 j 07:02	24° $\text{Y}^{\circ}31'14$	-1°51'34	minimum elong	-11938 Jun 25 j 13:33	8° $\text{Y}^{\circ}01'46$	2°28'12

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning rise	-11938 Jul 01 j 00:03	2°Υ09'08			-11937 May 31 j 20:10	30°κϠ	
asc. node	-11938 Jul 04 j 11:58	0°Υ55'55		evening set	-11937 Jun 03 j 22:04	27°κ58'36	
direct	-11938 Jul 04 j 13:16	0°Υ55'54		min. Earth dist.	-11937 Jun 07 j 22:31	23°κ39'48	0.65877 AU
morning max el	-11938 Jul 12 j 00:31	5°Υ16'19	19°48'01	inferior conj	-11937 Jun 09 j 11:33	21°κ44'59	-2°58'49
	-11938 Jul 29 j 17:07	0°Ϡ		minimum elong	-11937 Jun 09 j 13:44	21°κ38'14	2°58'32
morning set	-11938 Aug 06 j 06:28	11°Ϡ44'01		morning rise	-11937 Jun 15 j 05:34	15°κ57'34	
	-11938 Aug 17 j 21:16	0°Π		direct	-11937 Jun 18 j 10:54	14°κ58'13	
max. Earth dist.	-11938 Aug 18 j 21:57	1°Π38'08	1.44123 AU	asc. node	-11937 Jun 21 j 08:46	15°κ44'03	
desc. node	-11938 Aug 21 j 07:30	5°Π27'59		morning max el	-11937 Jun 25 j 07:28	18°κ49'50	18°56'17
					-11937 Jul 03 j 18:42	0°Υ	
superior conj	-11938 Aug 22 j 17:29	7°Π44'28	-0°08'29	morning set	-11937 Jul 17 j 00:16	20°Υ54'45	
minimum elong	-11938 Aug 22 j 16:35	7°Π40'54	0°07'45		-11937 Jul 22 j 16:53	0°Ϡ	
behind sun begin	-11938 Aug 22 j 06:56	7°Π02'03					
behind sun end	-11938 Aug 23 j 02:15	8°Π19'48		superior conj	-11937 Aug 01 j 20:46	16°Ϡ06'34	0°36'57
	-11938 Sep 05 j 05:47	0°Ϡ		minimum elong	-11937 Aug 02 j 01:09	16°Ϡ23'52	0°36'55
evening rise	-11938 Sep 05 j 19:21	0°Ϡ57'04		max. Earth dist.	-11937 Aug 01 j 13:51	15°Ϡ39'09	1.44579 AU
evening max el	-11938 Sep 24 j 06:17	29°Ϡ10'14	18°20'36	desc. node	-11937 Aug 08 j 04:49	26°Ϡ09'00	
	-11938 Sep 25 j 02:49	0°Ω			-11937 Aug 10 j 14:52	0°Π	
retrograde	-11938 Sep 30 j 21:07	2°Ω47'17		evening rise	-11937 Aug 17 j 18:35	11°Π27'42	
asc. node	-11938 Sep 30 j 12:07	2°Ω46'32			-11937 Aug 29 j 09:23	0°Ϡ	
evening set	-11938 Oct 03 j 15:20	2°Ω06'44		evening max el	-11937 Sep 07 j 18:42	12°Ϡ39'47	18°51'24
	-11938 Oct 06 j 14:56	30°κϠ		retrograde	-11937 Sep 14 j 14:15	16°Ϡ29'48	
inferior conj	-11938 Oct 09 j 21:26	26°Ϡ36'33	2°42'13	asc. node	-11937 Sep 17 j 09:15	15°Ϡ45'33	
minimum elong	-11938 Oct 09 j 17:56	26°Ϡ46'17	2°41'48	evening set	-11937 Sep 17 j 15:12	15°Ϡ37'25	
min. Earth dist.	-11938 Oct 12 j 01:16	24°Ϡ12'10	0.63861 AU	inferior conj	-11937 Sep 23 j 12:33	9°Ϡ52'37	1°51'55
morning rise	-11938 Oct 15 j 19:46	20°Ϡ34'46		minimum elong	-11937 Sep 23 j 10:00	10°Ϡ00'21	1°51'42
direct	-11938 Oct 22 j 17:14	17°Ϡ51'23		min. Earth dist.	-11937 Sep 25 j 03:40	7°Ϡ53'51	0.65140 AU
morning max el	-11938 Nov 05 j 05:03	25°Ϡ24'16	27°24'08	morning rise	-11937 Sep 29 j 04:18	3°Ϡ40'42	
	-11938 Nov 09 j 12:33	0°Ω		direct	-11937 Oct 05 j 15:52	0°Ϡ58'47	
desc. node	-11938 Nov 17 j 07:30	9°Ω55'45		morning max el	-11937 Oct 18 j 15:12	8°Ϡ26'23	26°44'14
	-11938 Nov 30 j 04:41	0°൬		desc. node	-11937 Nov 04 j 04:13	29°Ϡ16'13	
morning set	-11938 Dec 09 j 21:24	17°൬55'43			-11937 Nov 04 j 16:04	0°Ω	
max. Earth dist.	-11938 Dec 14 j 23:54	28°൬18'51	1.33799 AU		-11937 Nov 22 j 12:21	0°൬	
	-11938 Dec 15 j 19:13	0°Ϡ		morning set	-11937 Nov 23 j 07:31	1°൬30'46	
				max. Earth dist.	-11937 Nov 27 j 17:52	10°൬10'02	1.34912 AU
superior conj	-11938 Dec 17 j 17:00	4°Ϡ02'18	-1°18'34				
minimum elong	-11938 Dec 17 j 19:03	4°Ϡ13'10	1°18'21	superior conj	-11937 Dec 01 j 19:55	18°൬30'02	-1°30'41
evening rise	-11938 Dec 24 j 21:18	19°Ϡ20'09		minimum elong	-11937 Dec 01 j 21:31	18°൬38'19	1°30'25
asc. node	-11938 Dec 27 j 09:56	24°Ϡ32'29			-11937 Dec 07 j 07:45	0°Ϡ	
	-11938 Dec 30 j 04:26	0°൬		evening rise	-11937 Dec 09 j 06:51	4°Ϡ05'18	
evening max el	-11937 Jan 16 j 04:24	24°൬41'14	22°43'20	asc. node	-11937 Dec 14 j 07:19	14°Ϡ07'55	
	-11937 Jan 24 j 05:25	0°Ϡ			-11937 Dec 24 j 00:01	0°൬	
retrograde	-11937 Jan 29 j 02:31	0°Ϡ54'12		evening max el	-11937 Dec 29 j 03:43	5°൬49'30	21°13'54
evening set	-11937 Feb 01 j 11:51	0°Ϡ29'03		retrograde	-11936 Jan 09 j 16:52	11°൬15'30	
	-11937 Feb 03 j 03:11	30°κ൬		evening set	-11936 Jan 12 j 12:50	10°൬57'05	
min. Earth dist.	-11937 Feb 09 j 15:29	26°൬48'14	0.55607 AU	inferior conj	-11936 Jan 21 j 11:36	6°൬57'46	2°24'10
inferior conj	-11937 Feb 10 j 14:11	26°൬15'19	0°42'59	minimum elong	-11936 Jan 21 j 17:00	6°൬50'01	2°22'18
minimum elong	-11937 Feb 10 j 15:59	26°൬12'41	0°41'50	min. Earth dist.	-11936 Jan 22 j 05:38	6°൬31'53	0.55515 AU
desc. node	-11937 Feb 13 j 09:16	24°൬40'43		morning rise	-11936 Jan 30 j 20:19	2°൬44'28	
morning rise	-11937 Feb 19 j 21:28	22°൬11'59		desc. node	-11936 Jan 31 j 06:03	2°൬39'34	
direct	-11937 Feb 22 j 04:24	21°൬59'33		direct	-11936 Feb 02 j 19:31	2°൬24'57	
morning max el	-11937 Mar 05 j 13:06	27°൬24'25	20°47'54	morning max el	-11936 Feb 15 j 14:48	8°൬39'06	22°15'04
	-11937 Mar 08 j 00:35	0°Ϡ			-11936 Mar 01 j 14:38	0°Ϡ	
morning set	-11937 Mar 24 j 15:17	27°Ϡ51'30		morning set	-11936 Mar 08 j 01:25	12°Ϡ45'09	
asc. node	-11937 Mar 25 j 08:11	29°Ϡ18'07		asc. node	-11936 Mar 11 j 05:16	19°Ϡ23'38	
	-11937 Mar 25 j 16:20	0°Ϡ					
superior conj	-11937 Apr 01 j 07:06	13°Ϡ39'29	1°00'50	superior conj	-11936 Mar 15 j 08:20	28°Ϡ07'41	0°38'02
minimum elong	-11937 Apr 01 j 04:35	13°Ϡ26'39	0°59'47	minimum elong	-11936 Mar 15 j 06:43	27°Ϡ59'11	0°37'04
max. Earth dist.	-11937 Apr 05 j 15:04	22°Ϡ20'59	1.35701 AU		-11936 Mar 16 j 05:46	0°Ϡ	
	-11937 Apr 09 j 14:28	0°≈		max. Earth dist.	-11936 Mar 18 j 09:34	4°Ϡ28'32	1.34460 AU
evening rise	-11937 Apr 10 j 01:10	0°≈50'08		evening rise	-11936 Mar 23 j 09:47	14°Ϡ30'03	
	-11937 Apr 27 j 08:33	0°κ			-11936 Mar 31 j 20:09	0°≈	
desc. node	-11937 May 12 j 08:10	19°κ54'12		evening max el	-11936 Apr 21 j 01:46	0°κ	
evening max el	-11937 May 15 j 14:40	23°κ21'15	26°26'40	desc. node	-11936 Apr 28 j 05:32	7°κ41'58	
	-11937 May 24 j 18:35	0°Υ		retrograde	-11936 May 10 j 11:32	14°κ08'29	
retrograde	-11937 May 28 j 10:18	0°Υ44'33		evening set	-11936 May 17 j 07:47	11°κ23'41	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

min. Earth dist.	-11936 May 21 j 02:13	7° H 41'42	0.64670 AU	evening max el	-11935 Apr 09 j 11:38	19° \approx 30'19	27°27'19
inferior conj	-11936 May 23 j 05:41	5° H 14'51	-3°19'18	desc. node	-11935 Apr 15 j 02:49	24° \approx 09'40	
minimum elong	-11936 May 23 j 07:11	5° H 10'36	3°19'27	retrograde	-11935 Apr 23 j 06:33	27° \approx 04'27	
	-11936 May 28 j 18:59	30° R \approx		evening set	-11935 Apr 30 j 05:05	24° \approx 33'25	
morning rise	-11936 May 29 j 07:02	29° \approx 42'52		min. Earth dist.	-11935 May 03 j 21:05	21° \approx 21'24	0.63085 AU
direct	-11936 Jun 01 j 06:11	28° \approx 55'24		inferior conj	-11935 May 06 j 14:50	18° \approx 32'47	-3°27'15
	-11936 Jun 04 j 18:20	0° H		minimum elong	-11935 May 06 j 15:01	18° \approx 32'18	3°27'44
asc. node	-11936 Jun 07 j 05:33	1° H 54'55		morning rise	-11935 May 13 j 02:00	13° \approx 18'38	
morning max el	-11936 Jun 07 j 18:52	2° H 27'23	18°21'14	direct	-11935 May 15 j 20:10	12° \approx 41'28	
	-11936 Jun 26 j 00:51	0° Y		morning max el	-11935 May 22 j 08:33	16° \approx 04'04	18°04'00
morning set	-11936 Jun 26 j 18:31	1° Y 13'39		asc. node	-11935 May 25 j 02:19	19° \approx 11'52	
					-11935 Jun 01 j 05:03	0° H	
superior conj	-11936 Jul 10 j 23:21	24° Y 28'21	1°16'16	morning set	-11935 Jun 08 j 13:17	12° H 41'28	
minimum elong	-11936 Jul 11 j 05:57	24° Y 54'47	1°15'56		-11935 Jun 18 j 14:55	0° Y	
	-11936 Jul 14 j 10:29	0° B					
max. Earth dist.	-11936 Jul 14 j 06:15	29° Y 43'11	1.44334 AU	superior conj	-11935 Jun 20 j 21:17	3° Y 47'15	1°40'46
desc. node	-11936 Jul 25 j 02:12	16° B 47'03		minimum elong	-11935 Jun 21 j 01:23	4° Y 04'16	1°40'34
evening rise	-11936 Jul 27 j 14:37	20° B 43'12		max. Earth dist.	-11935 Jun 26 j 19:55	13° Y 31'24	1.43415 AU
	-11936 Aug 02 j 13:39	0° II		evening rise	-11935 Jul 06 j 16:23	29° Y 07'50	
greatest brilliancy	-11936 Aug 07 j 19:39	8° II 04'40	-0.7m		-11935 Jul 07 j 05:49	0° B	
evening max el	-11936 Aug 21 j 03:08	26° II 09'57	19°38'33	desc. node	-11935 Jul 11 j 23:38	7° B 18'37	
	-11936 Aug 26 j 10:13	0° B			-11935 Jul 27 j 09:31	0° II	
retrograde	-11936 Aug 28 j 10:17	0° B 21'50		evening max el	-11935 Aug 04 j 05:26	9° II 37'12	20°40'27
	-11936 Aug 30 j 08:57	30° R II		retrograde	-11935 Aug 12 j 06:59	14° II 20'26	
evening set	-11936 Aug 31 j 20:14	29° II 14'10		evening set	-11935 Aug 16 j 04:06	12° II 54'22	
asc. node	-11936 Sep 03 j 06:18	27° II 08'11		asc. node	-11935 Aug 21 j 03:15	7° II 23'06	
inferior conj	-11936 Sep 06 j 10:36	23° II 17'40	0°59'42	inferior conj	-11935 Aug 21 j 13:21	6° II 49'03	0°07'57
minimum elong	-11936 Sep 06 j 09:14	23° II 22'06	0°59'51	minimum elong	-11935 Aug 21 j 13:09	6° II 49'41	0°08'31
min. Earth dist.	-11936 Sep 07 j 13:47	21° II 49'41	0.66111 AU	transit middle	-11935 Aug 21 j 13:09	6° II 49'41	0°08'31
morning rise	-11936 Sep 11 j 21:56	16° II 59'24		transit begin	-11935 Aug 21 j 10:49	6° II 57'35	
direct	-11936 Sep 17 j 20:18	14° II 28'04		transit end	-11935 Aug 21 j 15:29	6° II 41'47	
morning max el	-11936 Sep 30 j 01:10	21° II 38'50	25°41'07	min. Earth dist.	-11935 Aug 22 j 05:27	5° II 54'34	0.66777 AU
	-11936 Oct 07 j 09:33	0° B		morning rise	-11935 Aug 26 j 22:03	0° II 28'10	
desc. node	-11936 Oct 21 j 01:00	19° B 06'03			-11935 Aug 27 j 11:52	30° R B	
	-11936 Oct 27 j 21:12	0° B		direct	-11935 Sep 01 j 06:02	28° B 12'45	
morning set	-11936 Nov 05 j 02:28	14° B 16'07			-11935 Sep 06 j 13:53	0° II	
max. Earth dist.	-11936 Nov 09 j 01:20	21° B 36'59	1.36445 AU	morning max el	-11935 Sep 12 j 11:01	4° II 54'45	24°23'19
	-11936 Nov 13 j 08:58	0° B			-11935 Oct 01 j 19:51	0° B	
				desc. node	-11935 Oct 07 j 21:50	9° B 16'46	
superior conj	-11936 Nov 14 j 15:08	2° B 30'09	-1°37'26	morning set	-11935 Oct 18 j 01:06	25° B 58'09	
minimum elong	-11936 Nov 14 j 15:43	2° B 33'05	1°37'05		-11935 Oct 20 j 08:27	0° B	
evening rise	-11936 Nov 22 j 12:59	18° B 35'22		max. Earth dist.	-11935 Oct 22 j 01:40	3° B 03'46	1.38303 AU
	-11936 Nov 28 j 08:55	0° B					
asc. node	-11936 Nov 30 j 04:40	3° B 17'13		superior conj	-11935 Oct 28 j 23:06	15° B 52'18	-1°37'05
evening max el	-11936 Dec 10 j 12:13	17° B 28'25	19°58'15	minimum elong	-11935 Oct 28 j 22:06	15° B 47'31	1°36'34
retrograde	-11936 Dec 20 j 11:25	22° B 09'35			-11935 Nov 05 j 04:20	0° B	
evening set	-11936 Dec 23 j 01:49	21° B 51'55		evening rise	-11935 Nov 06 j 13:37	2° B 44'27	
inferior conj	-11936 Dec 31 j 14:18	17° B 48'55	3°38'40	asc. node	-11935 Nov 17 j 02:00	21° B 51'29	
minimum elong	-11936 Dec 31 j 19:20	17° B 41'05	3°37'35	evening max el	-11935 Nov 23 j 06:57	29° B 41'34	19°01'24
min. Earth dist.	-11935 Jan 02 j 18:43	16° B 27'52	0.56270 AU		-11935 Nov 23 j 14:48	0° B	
morning rise	-11935 Jan 09 j 10:58	13° B 14'28		retrograde	-11935 Dec 01 j 20:50	3° B 48'20	
direct	-11935 Jan 13 j 15:26	12° B 35'33		evening set	-11935 Dec 04 j 08:48	3° B 28'52	
desc. node	-11935 Jan 17 j 02:46	13° B 03'07			-11935 Dec 11 j 04:07	30° R B	
morning max el	-11935 Jan 27 j 07:48	19° B 24'59	23°51'31	inferior conj	-11935 Dec 12 j 08:40	29° B 10'04	4°13'36
	-11935 Feb 05 j 02:57	0° B		minimum elong	-11935 Dec 12 j 10:16	29° B 07'14	4°13'33
morning set	-11935 Feb 20 j 13:34	27° B 47'57		min. Earth dist.	-11935 Dec 15 j 08:50	27° B 03'14	0.57676 AU
	-11935 Feb 21 j 14:38	0° B		morning rise	-11935 Dec 20 j 09:45	24° B 11'19	
asc. node	-11935 Feb 26 j 02:22	9° B 37'26		direct	-11935 Dec 25 j 22:02	22° B 59'42	
				desc. node	-11934 Jan 03 j 23:25	26° B 06'38	
superior conj	-11935 Feb 27 j 15:04	12° B 54'47	0°14'28		-11934 Jan 08 j 18:52	0° B	
minimum elong	-11935 Feb 27 j 14:28	12° B 51'36	0°13'42	morning max el	-11934 Jan 08 j 22:39	0° B 09'01	25°24'25
behind sun begin	-11935 Feb 27 j 11:53	12° B 37'45			-11934 Jan 29 j 15:12	0° B	
behind sun end	-11935 Feb 27 j 17:03	13° B 05'26		morning set	-11934 Feb 05 j 01:59	12° B 53'25	
max. Earth dist.	-11935 Mar 01 j 13:33	17° B 03'05	1.33571 AU				
evening rise	-11935 Mar 07 j 05:00	28° B 43'46		superior conj	-11934 Feb 12 j 01:11	27° B 53'57	-0°08'52
	-11935 Mar 07 j 20:18	0° B		minimum elong	-11934 Feb 12 j 01:35	27° B 56'04	0°09'23
	-11935 Mar 25 j 00:30	0° \approx		behind sun begin	-11934 Feb 11 j 21:30	27° B 33'53	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

behind sun end	-11934 Feb 12 j 05:39	28° \mathbb{M} 18'15		minimum elong	-11933 Jan 27 j 14:08	13° \mathbb{M} 04'40	0°31'23
asc. node	-11934 Feb 12 j 23:33	29° \mathbb{M} 55'25		max. Earth dist.	-11933 Jan 27 j 13:11	12° \mathbb{M} 59'30	1.32787 AU
max. Earth dist.	-11934 Feb 12 j 23:56	29° \mathbb{M} 57'30	1.33019 AU	asc. node	-11933 Jan 30 j 20:49	20° \mathbb{M} 12'55	
	-11934 Feb 13 j 00:24	0° \mathbb{X}		evening rise	-11933 Feb 03 j 14:58	28° \mathbb{M} 11'45	
evening rise	-11934 Feb 19 j 07:34	13° \mathbb{X} 20'42			-11933 Feb 04 j 11:53	0° \mathbb{X}	
	-11934 Feb 27 j 23:46	0° \mathbb{Z}			-11933 Feb 21 j 12:45	0° \mathbb{Z}	
	-11934 Mar 20 j 20:58	0° \approx		evening max el	-11933 Mar 04 j 19:21	13° \mathbb{Z} 40'35	26°23'19
evening max el	-11934 Mar 22 j 18:05	1° \approx 53'51	27°11'21	retrograde	-11933 Mar 18 j 22:31	21° \mathbb{Z} 02'35	
desc. node	-11934 Apr 01 j 24:00	8° \approx 46'50		desc. node	-11933 Mar 19 j 21:04	21° \mathbb{Z} 00'20	
retrograde	-11934 Apr 05 j 18:41	9° \approx 24'29		evening set	-11933 Mar 24 j 21:53	19° \mathbb{Z} 32'01	
evening set	-11934 Apr 12 j 10:39	7° \approx 19'35		min. Earth dist.	-11933 Mar 29 j 08:45	16° \mathbb{Z} 41'10	0.59215 AU
min. Earth dist.	-11934 Apr 16 j 06:48	4° \approx 25'35	0.61207 AU	inferior conj	-11933 Apr 01 j 16:43	14° \mathbb{Z} 04'09	-2°46'22
inferior conj	-11934 Apr 19 j 11:41	1° \approx 31'50	-3°18'14	minimum elong	-11933 Apr 01 j 13:30	14° \mathbb{Z} 10'31	2°46'27
minimum elong	-11934 Apr 19 j 10:06	1° \approx 35'27	3°18'41	morning rise	-11933 Apr 09 j 08:03	9° \mathbb{Z} 29'30	
	-11934 Apr 21 j 05:06	30° \mathbb{R} \mathbb{Z}		direct	-11933 Apr 11 j 17:17	9° \mathbb{Z} 09'02	
morning rise	-11934 Apr 26 j 11:32	26° \mathbb{Z} 37'16		morning max el	-11933 Apr 19 j 08:24	12° \mathbb{Z} 49'54	18°25'31
direct	-11934 Apr 29 j 01:14	26° \mathbb{Z} 09'08		asc. node	-11933 Apr 28 j 19:57	26° \mathbb{Z} 09'34	
morning max el	-11934 May 05 j 21:59	29° \mathbb{Z} 34'08	18°05'14		-11933 Apr 30 j 23:29	0° \approx	
	-11934 May 06 j 08:23	0° \approx		morning set	-11933 May 05 j 11:27	8° \approx 25'37	
asc. node	-11934 May 11 j 23:06	7° \approx 20'36					
morning set	-11934 May 22 j 04:28	25° \approx 08'53		superior conj	-11933 May 14 j 23:44	26° \approx 19'49	1°44'52
	-11934 May 24 j 20:15	0° \mathbb{X}		minimum elong	-11933 May 14 j 21:39	26° \approx 10'17	1°44'21
					-11933 May 17 j 00:08	0° \mathbb{X}	
superior conj	-11934 Jun 01 j 22:11	14° \mathbb{X} 26'08	1°49'12	max. Earth dist.	-11933 May 22 j 06:13	9° \mathbb{X} 16'48	1.40167 AU
minimum elong	-11934 Jun 01 j 22:34	14° \mathbb{X} 27'48	1°48'59	evening rise	-11933 May 27 j 00:27	17° \mathbb{X} 20'37	
max. Earth dist.	-11934 Jun 09 j 03:59	26° \mathbb{X} 45'31	1.41955 AU		-11933 Jun 03 j 21:04	0° \mathbb{Y}	
	-11934 Jun 11 j 03:07	0° \mathbb{Y}		desc. node	-11933 Jun 15 j 18:38	17° \mathbb{Y} 44'03	
evening rise	-11934 Jun 15 j 21:13	7° \mathbb{Y} 41'02			-11933 Jun 24 j 23:33	0° \mathbb{B}	
desc. node	-11934 Jun 28 j 21:07	27° \mathbb{Y} 39'17		evening max el	-11933 Jun 30 j 13:53	6° \mathbb{B} 19'24	23°15'32
	-11934 Jun 30 j 11:20	0° \mathbb{B}		retrograde	-11933 Jul 10 j 19:42	12° \mathbb{B} 24'24	
evening max el	-11934 Jul 18 j 00:37	22° \mathbb{B} 59'30	21°54'19	evening set	-11933 Jul 15 j 20:01	10° \mathbb{B} 16'37	
retrograde	-11934 Jul 27 j 02:35	28° \mathbb{B} 22'08		inferior conj	-11933 Jul 21 j 01:07	4° \mathbb{B} 01'51	-1°27'22
evening set	-11934 Jul 31 j 12:38	26° \mathbb{B} 35'28		minimum elong	-11933 Jul 21 j 02:47	3° \mathbb{B} 56'05	1°26'25
inferior conj	-11934 Aug 05 j 18:46	20° \mathbb{B} 24'06	-0°41'34	min. Earth dist.	-11933 Jul 20 j 20:04	4° \mathbb{B} 19'15	0.67228 AU
minimum elong	-11934 Aug 05 j 19:37	20° \mathbb{B} 21'09	0°40'43		-11933 Jul 24 j 03:22	30° \mathbb{R} \mathbb{Y}	
min. Earth dist.	-11934 Aug 06 j 00:21	20° \mathbb{B} 04'49	0.67149 AU	asc. node	-11933 Jul 25 j 20:58	28° \mathbb{Y} 13'07	
asc. node	-11934 Aug 08 j 00:09	17° \mathbb{B} 24'21		morning rise	-11933 Jul 26 j 09:29	27° \mathbb{Y} 46'53	
morning rise	-11934 Aug 11 j 02:30	14° \mathbb{B} 04'20		direct	-11933 Jul 30 j 14:56	26° \mathbb{Y} 07'35	
direct	-11934 Aug 15 j 20:30	12° \mathbb{B} 06'58			-11933 Aug 07 j 00:57	0° \mathbb{B}	
morning max el	-11934 Aug 25 j 22:12	18° \mathbb{B} 10'44	22°59'27	morning max el	-11933 Aug 08 j 13:17	1° \mathbb{B} 28'49	21°37'43
	-11934 Sep 04 j 16:46	0° \mathbb{I}			-11933 Aug 29 j 14:51	0° \mathbb{I}	
desc. node	-11934 Sep 24 j 18:46	29° \mathbb{I} 41'23		morning set	-11933 Sep 08 j 18:08	15° \mathbb{I} 38'01	
	-11934 Sep 24 j 23:26	0° \mathbb{E}		desc. node	-11933 Sep 11 j 15:50	20° \mathbb{I} 15'32	
morning set	-11934 Sep 28 j 22:26	6° \mathbb{E} 24'33		max. Earth dist.	-11933 Sep 16 j 04:27	27° \mathbb{I} 37'02	1.42123 AU
max. Earth dist.	-11934 Oct 04 j 00:54	14° \mathbb{E} 57'55	1.40284 AU		-11933 Sep 17 j 15:00	0° \mathbb{E}	
superior conj	-11934 Oct 11 j 15:07	28° \mathbb{E} 22'33	-1°27'30	superior conj	-11933 Sep 23 j 09:38	9° \mathbb{E} 47'07	-1°06'25
minimum elong	-11934 Oct 11 j 12:13	28° \mathbb{E} 09'23	1°26'40	minimum elong	-11933 Sep 23 j 05:26	9° \mathbb{E} 29'03	1°05'18
	-11934 Oct 12 j 12:26	0° \mathbb{O}		evening rise	-11933 Oct 04 j 10:37	29° \mathbb{E} 27'28	
evening rise	-11934 Oct 21 j 05:59	16° \mathbb{O} 24'26			-11933 Oct 04 j 17:46	0° \mathbb{O}	
	-11934 Oct 28 j 14:53	0° \mathbb{P}		evening max el	-11933 Oct 20 j 20:27	25° \mathbb{O} 28'34	18°08'14
asc. node	-11934 Nov 03 j 23:19	9° \mathbb{P} 38'35		asc. node	-11933 Oct 21 j 20:34	26° \mathbb{O} 24'53	
evening max el	-11934 Nov 06 j 10:31	12° \mathbb{P} 23'48	18°24'48	retrograde	-11933 Oct 27 j 18:20	29° \mathbb{O} 02'15	
retrograde	-11934 Nov 13 j 23:46	16° \mathbb{P} 08'22		evening set	-11933 Oct 30 j 06:46	28° \mathbb{O} 34'15	
evening set	-11934 Nov 16 j 11:04	15° \mathbb{P} 45'30		inferior conj	-11933 Nov 06 j 05:44	23° \mathbb{O} 33'34	3°48'34
inferior conj	-11934 Nov 23 j 22:12	11° \mathbb{P} 06'08	4°13'18	minimum elong	-11933 Nov 06 j 02:13	23° \mathbb{O} 41'48	3°48'24
minimum elong	-11934 Nov 23 j 20:26	11° \mathbb{P} 09'44	4°13'27	min. Earth dist.	-11933 Nov 09 j 04:28	20° \mathbb{O} 49'11	0.61297 AU
min. Earth dist.	-11934 Nov 27 j 03:03	8° \mathbb{P} 30'15	0.59447 AU	morning rise	-11933 Nov 12 j 20:22	17° \mathbb{O} 55'03	
morning rise	-11934 Dec 01 j 04:04	5° \mathbb{P} 45'45		direct	-11933 Nov 19 j 20:28	15° \mathbb{O} 34'15	
direct	-11934 Dec 07 j 16:17	3° \mathbb{P} 56'14		morning max el	-11933 Dec 03 j 18:11	23° \mathbb{O} 01'11	27°23'29
morning max el	-11934 Dec 21 j 17:18	11° \mathbb{P} 16'28	26°38'53	desc. node	-11933 Dec 08 j 16:38	28° \mathbb{O} 19'05	
desc. node	-11934 Dec 21 j 20:01	11° \mathbb{P} 22'59			-11933 Dec 10 j 02:10	0° \mathbb{P}	
	-11933 Jan 05 j 08:35	0° \mathbb{Q}			-11933 Dec 29 j 08:52	0° \mathbb{Q}	
morning set	-11933 Jan 20 j 12:50	27° \mathbb{Q} 54'01		morning set	-11932 Jan 04 j 20:11	12° \mathbb{Q} 42'27	
	-11933 Jan 21 j 12:50	0° \mathbb{L}		max. Earth dist.	-11932 Jan 11 j 01:40	25° \mathbb{Q} 56'10	1.32891 AU
superior conj	-11933 Jan 27 j 12:55	12° \mathbb{L} 58'00	-0°31'09	superior conj	-11932 Jan 12 j 00:33	28° \mathbb{Q} 00'41	-0°51'41

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-11932 Jan 12 j 02:22	28° Ω 10'33	0°51'41	superior conj	-11932 Dec 26 j 10:26	12° Ω 55'45	-1°09'41
	-11932 Jan 12 j 22:27	0° \mathbb{M}		minimum elong	-11932 Dec 26 j 12:30	13° Ω 06'55	1°09'31
asc. node	-11932 Jan 17 j 18:08	10° \mathbb{M} 25'31		evening rise	-11931 Jan 02 j 12:29	28° Ω 07'50	
evening rise	-11932 Jan 19 j 01:11	13° \mathbb{M} 09'33			-11931 Jan 03 j 09:59	0° \mathbb{M}	
	-11932 Jan 27 j 16:06	0° \mathbb{A}		asc. node	-11931 Jan 03 j 15:29	0° \mathbb{M} 28'35	
evening max el	-11932 Feb 14 j 15:26	24° \mathbb{A} 53'39	25°08'28		-11931 Jan 21 j 02:10	0° \mathbb{A}	
	-11932 Feb 21 j 10:54	0° \mathbb{B}		evening max el	-11931 Jan 26 j 08:51	5° \mathbb{A} 47'38	23°37'35
retrograde	-11932 Feb 28 j 15:31	1° \mathbb{B} 58'15		retrograde	-11931 Feb 08 j 19:46	12° \mathbb{A} 22'45	
evening set	-11932 Mar 04 j 14:36	1° \mathbb{B} 01'09		evening set	-11931 Feb 12 j 17:31	11° \mathbb{A} 49'16	
desc. node	-11932 Mar 05 j 18:03	0° \mathbb{B} 32'41		min. Earth dist.	-11931 Feb 19 j 21:44	8° \mathbb{A} 27'04	0.56058 AU
	-11932 Mar 06 j 20:56	30° \mathbb{R} \mathbb{A}		desc. node	-11931 Feb 20 j 14:56	8° \mathbb{A} 01'15	
min. Earth dist.	-11932 Mar 10 j 05:05	28° \mathbb{A} 00'10	0.57394 AU	inferior conj	-11931 Feb 21 j 17:30	7° \mathbb{A} 21'01	-0°16'53
inferior conj	-11932 Mar 13 j 02:47	26° \mathbb{A} 01'31	-1°45'58	minimum elong	-11931 Feb 21 j 16:47	7° \mathbb{A} 22'06	0°17'17
minimum elong	-11932 Mar 12 j 23:26	26° \mathbb{A} 07'16	1°45'45	morning rise	-11931 Mar 02 j 18:24	3° \mathbb{A} 16'17	
morning rise	-11932 Mar 21 j 11:30	21° \mathbb{A} 44'47		direct	-11931 Mar 04 j 22:42	3° \mathbb{A} 04'10	
direct	-11932 Mar 23 j 16:45	21° \mathbb{A} 29'59		morning max el	-11931 Mar 15 j 07:59	7° \mathbb{A} 59'20	20°04'58
morning max el	-11932 Apr 01 j 12:42	25° \mathbb{A} 41'21	19°05'21		-11931 Mar 29 j 22:46	0° \mathbb{B}	
	-11932 Apr 05 j 07:51	0° \mathbb{B}		asc. node	-11931 Apr 01 j 13:54	5° \mathbb{B} 11'29	
asc. node	-11932 Apr 14 j 16:53	15° \mathbb{B} 28'57		morning set	-11931 Apr 02 j 08:40	6° \mathbb{B} 45'54	
morning set	-11932 Apr 18 j 05:59	22° \mathbb{B} 20'55					
	-11932 Apr 22 j 03:00	0° \approx		superior conj	-11931 Apr 10 j 07:20	22° \mathbb{B} 53'11	1°13'06
superior conj	-11932 Apr 26 j 20:27	9° \approx 13'19	1°31'44	minimum elong	-11931 Apr 10 j 04:28	22° \mathbb{B} 38'47	1°12'05
minimum elong	-11932 Apr 26 j 17:27	8° \approx 58'51	1°30'54		-11931 Apr 13 j 21:55	0° \approx	
max. Earth dist.	-11932 May 03 j 06:18	21° \approx 12'22	1.38301 AU	max. Earth dist.	-11931 Apr 15 j 10:22	2° \approx 55'32	1.36577 AU
evening rise	-11932 May 07 j 07:17	28° \approx 23'37		evening rise	-11931 Apr 19 j 13:56	10° \approx 40'45	
	-11932 May 08 j 05:30	0° \mathbb{H}			-11931 Apr 30 j 20:32	0° \mathbb{H}	
	-11932 May 27 j 06:45	0° \mathbb{Y}		desc. node	-11931 May 19 j 13:33	26° \mathbb{H} 34'03	
desc. node	-11932 Jun 01 j 16:08	7° \mathbb{Y} 25'26			-11931 May 22 j 12:38	0° \mathbb{Y}	
evening max el	-11932 Jun 12 j 00:03	19° \mathbb{Y} 39'53	24°37'17	evening max el	-11931 May 25 j 09:53	3° \mathbb{Y} 02'16	25°51'05
retrograde	-11932 Jun 23 j 09:08	26° \mathbb{Y} 23'01		retrograde	-11931 Jun 06 j 18:15	10° \mathbb{Y} 13'39	
evening set	-11932 Jun 29 j 00:15	23° \mathbb{Y} 55'53		evening set	-11931 Jun 12 j 23:18	7° \mathbb{Y} 32'09	
min. Earth dist.	-11932 Jul 03 j 14:10	18° \mathbb{Y} 35'28	0.66990 AU	min. Earth dist.	-11931 Jun 17 j 04:16	2° \mathbb{Y} 50'58	0.66401 AU
inferior conj	-11932 Jul 04 j 06:37	17° \mathbb{Y} 40'04	-2°08'10	inferior conj	-11931 Jun 18 j 09:25	1° \mathbb{Y} 17'19	-2°42'35
minimum elong	-11932 Jul 04 j 08:48	17° \mathbb{Y} 32'43	2°07'21	minimum elong	-11931 Jun 18 j 11:44	1° \mathbb{Y} 09'52	2°42'04
morning rise	-11932 Jul 09 j 17:18	11° \mathbb{Y} 33'26			-11931 Jun 19 j 09:42	30° \mathbb{R} \mathbb{H}	
asc. node	-11932 Jul 11 j 17:47	10° \mathbb{Y} 28'37		morning rise	-11931 Jun 24 j 00:12	25° \mathbb{H} 22'14	
direct	-11932 Jul 13 j 11:57	10° \mathbb{Y} 11'03		direct	-11931 Jun 27 j 09:57	24° \mathbb{H} 14'59	
morning max el	-11932 Jul 21 j 10:19	14° \mathbb{Y} 51'37	20°24'27	asc. node	-11931 Jun 28 j 14:36	24° \mathbb{H} 22'55	
	-11932 Aug 02 j 00:31	0° \mathbb{B}		morning max el	-11931 Jul 04 j 13:56	28° \mathbb{H} 21'37	19°24'03
morning set	-11932 Aug 17 j 22:05	24° \mathbb{B} 08'32			-11931 Jul 06 j 01:56	0° \mathbb{Y}	
	-11932 Aug 21 j 16:03	0° \mathbb{H}		morning set	-11931 Jul 26 j 10:13	0° \mathbb{B}	
max. Earth dist.	-11932 Aug 28 j 14:26	11° \mathbb{H} 00'34	1.43560 AU	max. Earth dist.	-11931 Jul 28 j 05:46	2° \mathbb{B} 51'15	
desc. node	-11932 Aug 28 j 13:02	10° \mathbb{H} 54'54			-11931 Aug 11 j 05:36	24° \mathbb{B} 55'15	1.44405 AU
superior conj	-11932 Sep 03 j 01:26	19° \mathbb{H} 52'46	-0°32'45	superior conj	-11931 Aug 13 j 14:47	28° \mathbb{B} 42'33	0°10'48
minimum elong	-11932 Sep 02 j 22:18	19° \mathbb{H} 39'55	0°31'42	minimum elong	-11931 Aug 13 j 16:08	28° \mathbb{B} 47'55	0°11'12
	-11932 Sep 09 j 03:03	0° \mathbb{E}		behind sun begin	-11931 Aug 13 j 07:53	28° \mathbb{B} 15'01	
evening rise	-11932 Sep 15 j 22:50	11° \mathbb{E} 42'03		behind sun end	-11931 Aug 14 j 00:24	29° \mathbb{B} 20'50	
	-11932 Sep 26 j 18:43	0° \mathbb{Q}			-11931 Aug 14 j 10:13	0° \mathbb{H}	
evening max el	-11932 Oct 03 j 09:41	8° \mathbb{Q} 47'57	18°10'53	desc. node	-11931 Aug 15 j 10:18	1° \mathbb{H} 36'06	
asc. node	-11932 Oct 07 j 17:46	11° \mathbb{Q} 54'15		evening rise	-11931 Aug 28 j 13:06	22° \mathbb{H} 54'44	
retrograde	-11932 Oct 10 j 00:45	12° \mathbb{Q} 20'59			-11931 Sep 01 j 20:07	0° \mathbb{E}	
evening set	-11932 Oct 12 j 16:20	11° \mathbb{Q} 45'38		evening max el	-11931 Sep 16 j 23:11	22° \mathbb{E} 15'09	18°31'40
inferior conj	-11932 Oct 19 j 04:09	6° \mathbb{Q} 25'19	3°09'02	retrograde	-11931 Sep 23 j 15:03	25° \mathbb{E} 56'34	
minimum elong	-11932 Oct 19 j 00:22	6° \mathbb{Q} 35'16	3°08'36	asc. node	-11931 Sep 24 j 14:55	25° \mathbb{E} 51'06	
min. Earth dist.	-11932 Oct 21 j 15:21	3° \mathbb{Q} 50'12	0.62998 AU	evening set	-11931 Sep 26 j 11:56	25° \mathbb{E} 11'14	
morning rise	-11932 Oct 25 j 07:31	0° \mathbb{Q} 31'25		inferior conj	-11931 Oct 02 j 14:04	19° \mathbb{E} 34'12	2°21'19
	-11932 Oct 26 j 01:07	30° \mathbb{R} \mathbb{E}		minimum elong	-11931 Oct 02 j 10:56	19° \mathbb{E} 43'18	2°20'57
direct	-11932 Nov 01 j 08:23	27° \mathbb{E} 52'31		min. Earth dist.	-11931 Oct 04 j 12:19	17° \mathbb{E} 20'13	0.64438 AU
	-11932 Nov 08 j 04:42	0° \mathbb{Q}		morning rise	-11931 Oct 08 j 09:19	13° \mathbb{E} 27'48	
morning max el	-11932 Nov 15 j 00:34	5° \mathbb{Q} 23'40	27°33'40	direct	-11931 Oct 15 j 03:05	10° \mathbb{E} 44'05	
desc. node	-11932 Nov 24 j 13:19	16° \mathbb{Q} 27'03		morning max el	-11931 Oct 28 j 10:13	18° \mathbb{E} 15'16	27°10'41
	-11932 Dec 03 j 19:45	0° \mathbb{P}			-11931 Nov 07 j 11:36	0° \mathbb{Q}	
morning set	-11932 Dec 18 j 21:45	27° \mathbb{P} 10'48		desc. node	-11931 Nov 11 j 10:01	5° \mathbb{Q} 25'29	
	-11932 Dec 20 j 07:08	0° \mathbb{Q}			-11931 Nov 26 j 15:40	0° \mathbb{P}	
max. Earth dist.	-11932 Dec 24 j 09:51	8° \mathbb{Q} 35'40	1.33356 AU	morning set	-11931 Dec 02 j 14:32	11° \mathbb{P} 08'32	
				max. Earth dist.	-11931 Dec 07 j 10:04	20° \mathbb{P} 46'55	1.34222 AU

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-11931 Dec 10 j 16:30	27° 𐌆 35'27	-1°24'16	superior conj	-11930 Nov 24 j 16:28	11° 𐌆 52'17	-1°34'18
minimum elong	-11931 Dec 10 j 18:25	27° 𐌆 45'34	1°24'02	minimum elong	-11930 Nov 24 j 17:42	11° 𐌆 58'39	1°34'00
	-11931 Dec 11 j 19:51	0° 𐌹		evening rise	-11930 Dec 02 j 07:28	27° 𐌆 38'57	
evening rise	-11931 Dec 17 j 23:09	12° 𐌹 59'33			-11930 Dec 03 j 11:05	0° 𐌹	
asc. node	-11931 Dec 21 j 12:51	20° 𐌹 16'02		asc. node	-11930 Dec 08 j 10:11	9° 𐌹 41'20	
	-11931 Dec 26 j 18:18	0° 𐌆		evening max el	-11930 Dec 21 j 07:03	28° 𐌹 03'19	20°39'38
evening max el	-11930 Jan 08 j 04:17	16° 𐌆 43'41	22°04'02		-11930 Dec 23 j 14:38	0° 𐌆	
retrograde	-11930 Jan 20 j 13:21	22° 𐌆 37'24		retrograde	-11929 Jan 01 j 04:26	3° 𐌆 10'01	
evening set	-11930 Jan 23 j 16:04	22° 𐌆 15'55		evening set	-11929 Jan 03 j 21:08	2° 𐌆 52'29	
inferior conj	-11930 Feb 01 j 17:58	18° 𐌆 10'17	1°27'31		-11929 Jan 10 j 18:00	30° 𐌹	
minimum elong	-11930 Feb 01 j 21:37	18° 𐌆 05'05	1°25'55	inferior conj	-11929 Jan 12 j 16:01	28° 𐌹 53'13	3°00'16
min. Earth dist.	-11930 Feb 01 j 12:17	18° 𐌆 18'23	0.55466 AU	minimum elong	-11929 Jan 12 j 21:48	28° 𐌹 44'41	2°58'34
desc. node	-11930 Feb 07 j 11:46	15° 𐌆 12'21		min. Earth dist.	-11929 Jan 14 j 01:57	28° 𐌹 03'17	0.55739 AU
morning rise	-11930 Feb 11 j 03:39	14° 𐌆 05'03		morning rise	-11929 Jan 21 j 21:04	24° 𐌹 31'41	
direct	-11930 Feb 13 j 15:43	13° 𐌆 50'47		direct	-11929 Jan 25 j 07:12	24° 𐌹 05'54	
morning max el	-11930 Feb 25 j 16:09	19° 𐌆 36'45	21°23'13	desc. node	-11929 Jan 25 j 08:32	24° 𐌹 05'54	
	-11930 Mar 05 j 23:59	0° 𐌹			-11929 Feb 06 j 21:43	0° 𐌆	
morning set	-11930 Mar 17 j 16:42	21° 𐌹 31'10		morning max el	-11929 Feb 07 j 13:43	0° 𐌆 37'17	22°55'34
asc. node	-11930 Mar 19 j 10:56	25° 𐌹 10'03			-11929 Feb 26 j 23:43	0° 𐌹	
	-11930 Mar 21 j 18:24	0° 𐌹		morning set	-11929 Mar 02 j 03:53	6° 𐌹 29'18	
				asc. node	-11929 Mar 06 j 08:01	15° 𐌹 19'32	
superior conj	-11930 Mar 25 j 04:16	7° 𐌹 06'39	0°51'20				
minimum elong	-11930 Mar 25 j 02:06	6° 𐌹 55'28	0°50'18	superior conj	-11929 Mar 09 j 08:07	21° 𐌹 43'53	0°28'05
max. Earth dist.	-11930 Mar 28 j 22:58	14° 𐌹 49'08	1.35134 AU	minimum elong	-11929 Mar 09 j 06:56	21° 𐌹 37'35	0°27'10
evening rise	-11930 Apr 02 j 14:33	23° 𐌹 54'36		max. Earth dist.	-11929 Mar 11 j 21:29	27° 𐌹 06'59	1.34039 AU
	-11930 Apr 05 j 20:53	0° 𐌹			-11929 Mar 13 j 06:51	0° 𐌹	
	-11930 Apr 24 j 10:08	0° 𐌹		evening rise	-11929 Mar 17 j 04:06	7° 𐌹 50'05	
desc. node	-11930 May 06 j 10:55	14° 𐌹 56'25			-11929 Mar 29 j 09:53	0° 𐌹	
evening max el	-11930 May 07 j 20:25	16° 𐌹 21'23	26°48'26	evening max el	-11929 Apr 20 j 07:00	29° 𐌹 27'54	27°21'36
retrograde	-11930 May 20 j 22:31	23° 𐌹 49'51			-11929 Apr 20 j 20:19	0° 𐌹	
evening set	-11930 May 27 j 14:42	21° 𐌹 02'37		desc. node	-11929 Apr 23 j 08:15	2° 𐌹 13'13	
min. Earth dist.	-11930 May 31 j 12:13	17° 𐌹 00'20	0.65418 AU	retrograde	-11929 May 03 j 21:26	7° 𐌹 02'58	
inferior conj	-11930 Jun 02 j 07:24	14° 𐌹 50'52	-3°08'50	evening set	-11929 May 10 j 19:34	4° 𐌹 22'07	
minimum elong	-11930 Jun 02 j 09:21	14° 𐌹 45'00	3°08'45	min. Earth dist.	-11929 May 14 j 12:13	0° 𐌹 54'11	0.64038 AU
morning rise	-11930 Jun 08 j 04:17	9° 𐌹 10'00			-11929 May 15 j 08:17	30° 𐌹	
direct	-11930 Jun 11 j 06:49	8° 𐌹 15'58		inferior conj	-11929 May 16 j 22:02	28° 𐌹 16'05	-3°24'29
asc. node	-11930 Jun 15 j 11:24	9° 𐌹 48'20		minimum elong	-11929 May 16 j 23:03	28° 𐌹 13'18	3°24'47
morning max el	-11930 Jun 17 j 23:06	11° 𐌹 57'46	18°39'17	morning rise	-11929 May 23 j 03:17	22° 𐌹 51'40	
	-11930 Jun 30 j 16:52	0° 𐌹		direct	-11929 May 26 j 00:05	22° 𐌹 08'56	
morning set	-11930 Jul 08 j 09:27	12° 𐌹 29'45		morning max el	-11929 Jun 01 j 11:49	25° 𐌹 35'47	18°11'40
	-11930 Jul 19 j 06:10	0° 𐌹		asc. node	-11929 Jun 02 j 08:09	26° 𐌹 29'05	
					-11929 Jun 05 j 04:31	0° 𐌹	
superior conj	-11930 Jul 23 j 14:52	6° 𐌹 56'10	0°55'05	morning set	-11929 Jun 19 j 14:24	23° 𐌹 18'09	
minimum elong	-11930 Jul 23 j 20:50	7° 𐌹 19'49	0°54'50		-11929 Jun 23 j 13:19	0° 𐌹	
max. Earth dist.	-11930 Jul 24 j 22:24	9° 𐌹 01'02	1.44557 AU				
desc. node	-11930 Aug 02 j 07:37	22° 𐌹 16'11		superior conj	-11929 Jul 02 j 23:54	15° 𐌹 37'11	1°28'43
	-11930 Aug 07 j 04:52	0° 𐌹		minimum elong	-11929 Jul 03 j 05:50	16° 𐌹 01'19	1°28'26
evening rise	-11930 Aug 09 j 00:37	2° 𐌹 53'23		max. Earth dist.	-11929 Jul 07 j 13:30	22° 𐌹 58'32	1.44013 AU
	-11930 Aug 26 j 16:23	0° 𐌹			-11929 Jul 11 j 23:41	0° 𐌹	
evening max el	-11930 Aug 31 j 10:07	5° 𐌹 45'07	19°09'32	evening rise	-11929 Jul 19 j 10:51	11° 𐌹 41'09	
retrograde	-11930 Sep 07 j 09:52	9° 𐌹 43'44		desc. node	-11929 Jul 20 j 05:00	12° 𐌹 51'38	
evening set	-11930 Sep 10 j 14:19	8° 𐌹 45'15			-11929 Jul 31 j 09:27	0° 𐌹	
asc. node	-11930 Sep 11 j 12:00	8° 𐌹 07'53		evening max el	-11929 Aug 14 j 16:03	19° 𐌹 13'39	20°03'14
inferior conj	-11930 Sep 16 j 08:27	2° 𐌹 54'51	1°29'52	retrograde	-11929 Aug 22 j 06:26	23° 𐌹 38'12	
minimum elong	-11930 Sep 16 j 06:24	3° 𐌹 01'17	1°29'47	evening set	-11929 Aug 25 j 20:47	22° 𐌹 23'15	
min. Earth dist.	-11930 Sep 17 j 18:18	1° 𐌹 08'50	0.65580 AU	asc. node	-11929 Aug 29 j 09:00	18° 𐌹 56'02	
	-11930 Sep 18 j 16:56	30° 𐌹		inferior conj	-11929 Aug 31 j 08:44	16° 𐌹 22'39	0°37'34
morning rise	-11930 Sep 21 j 22:03	26° 𐌹 39'34		minimum elong	-11929 Aug 31 j 07:53	16° 𐌹 25'30	0°37'54
direct	-11930 Sep 28 j 04:06	24° 𐌹 01'28		min. Earth dist.	-11929 Sep 01 j 07:10	15° 𐌹 08'25	0.66426 AU
	-11930 Oct 09 j 09:38	0° 𐌹		morning rise	-11929 Sep 05 j 18:42	10° 𐌹 02'32	
morning max el	-11930 Oct 10 j 20:39	1° 𐌹 23'56	26°19'55	direct	-11929 Sep 11 j 10:57	7° 𐌹 37'21	
desc. node	-11930 Oct 29 j 06:46	24° 𐌹 59'44		morning max el	-11929 Sep 23 j 06:27	14° 𐌹 38'08	25°09'15
	-11930 Nov 01 j 13:04	0° 𐌹			-11929 Oct 05 j 21:53	0° 𐌹	
morning set	-11930 Nov 15 j 18:47	24° 𐌹 24'18		desc. node	-11929 Oct 16 j 03:34	14° 𐌹 58'49	
	-11930 Nov 18 j 17:27	0° 𐌹			-11929 Oct 25 j 09:03	0° 𐌹	
max. Earth dist.	-11930 Nov 19 j 23:38	2° 𐌹 26'51	1.35512 AU	morning set	-11929 Oct 29 j 05:42	6° 𐌹 43'56	
				max. Earth dist.	-11929 Nov 02 j 02:58	13° 𐌹 47'36	1.37198 AU

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-11929 Nov 08 j 07:18	25°Ω36'52	-1°38'17	desc. node	-11928 Oct 02 j 00:26	5°♄15'42	
minimum elong	-11929 Nov 08 j 07:17	25°Ω36'46	1°37'53	morning set	-11928 Oct 09 j 17:56	17°♄53'51	
	-11929 Nov 10 j 12:25	0°♍		max. Earth dist.	-11928 Oct 14 j 01:32	25°♄20'26	1.39148 AU
evening rise	-11929 Nov 16 j 11:29	11°♍59'53			-11928 Oct 16 j 16:22	0°♌	
asc. node	-11929 Nov 25 j 07:31	28°♍36'32					
	-11929 Nov 26 j 03:52	0°♌		superior conj	-11928 Oct 21 j 09:06	8°♌38'18	-1°34'18
evening max el	-11929 Dec 03 j 19:57	9°♌56'43	19°31'44	minimum elong	-11928 Oct 21 j 07:18	8°♌29'52	1°33'39
retrograde	-11929 Dec 13 j 04:11	14°♌21'35		evening rise	-11928 Oct 30 j 08:55	25°♌56'41	
evening set	-11929 Dec 15 j 17:11	14°♌03'29			-11928 Nov 01 j 11:14	0°♍	
inferior conj	-11929 Dec 24 j 00:28	9°♌55'13	3°58'21	asc. node	-11928 Nov 11 j 04:51	16°♍51'49	
minimum elong	-11929 Dec 24 j 04:14	9°♌49'03	3°57'47	evening max el	-11928 Nov 15 j 18:45	22°♍22'48	18°43'24
min. Earth dist.	-11929 Dec 26 j 15:29	8°♌12'44	0.56798 AU	retrograde	-11928 Nov 23 j 20:42	26°♍18'08	
morning rise	-11928 Jan 01 j 13:07	5°♌09'57		evening set	-11928 Nov 26 j 08:23	25°♍57'17	
direct	-11928 Jan 06 j 07:34	4°♌18'16		inferior conj	-11928 Dec 04 j 02:47	21°♍30'11	4°17'10
desc. node	-11928 Jan 12 j 05:14	5°♌38'15		minimum elong	-11928 Dec 04 j 02:49	21°♍30'09	4°17'19
morning max el	-11928 Jan 20 j 04:55	11°♌18'42	24°32'18	min. Earth dist.	-11928 Dec 07 j 06:44	19°♍08'34	0.58403 AU
	-11928 Feb 03 j 08:08	0°♍		morning rise	-11928 Dec 11 j 19:21	16°♍22'10	
morning set	-11928 Feb 14 j 16:22	21°♍33'57		direct	-11928 Dec 17 j 19:31	14°♍54'05	
	-11928 Feb 18 j 15:08	0°♎		desc. node	-11928 Dec 29 j 01:52	19°♍41'39	
asc. node	-11928 Feb 21 j 05:09	5°♎35'41		morning max el	-11928 Dec 31 j 20:29	22°♍08'24	25°59'14
					-11927 Jan 07 j 19:44	0°♌	
superior conj	-11928 Feb 21 j 16:32	6°♎37'14	0°04'32		-11927 Jan 25 j 22:42	0°♍	
minimum elong	-11928 Feb 21 j 16:22	6°♎36'20	0°03'51	morning set	-11927 Jan 29 j 04:19	6°♍37'47	
behind sun begin	-11928 Feb 21 j 11:24	6°♎09'27					
behind sun end	-11928 Feb 21 j 21:21	7°♎03'11		superior conj	-11927 Feb 05 j 03:32	21°♍38'55	-0°18'29
max. Earth dist.	-11928 Feb 23 j 04:27	9°♎50'39	1.33293 AU	minimum elong	-11927 Feb 05 j 04:18	21°♍43'05	0°18'52
evening rise	-11928 Feb 29 j 02:48	22°♎15'14		max. Earth dist.	-11927 Feb 05 j 16:33	22°♍49'59	1.32879 AU
	-11928 Mar 04 j 01:12	0°♏		asc. node	-11927 Feb 07 j 02:22	25°♍53'49	
	-11928 Mar 22 j 07:45	0°♏			-11927 Feb 09 j 00:03	0°♎	
evening max el	-11928 Apr 01 j 15:51	12°♏11'18	27°24'38	evening rise	-11927 Feb 12 j 07:42	6°♎59'11	
desc. node	-11928 Apr 09 j 05:29	17°♏58'27			-11927 Feb 24 j 14:58	0°♏	
retrograde	-11928 Apr 15 j 13:56	19°♏44'52		evening max el	-11927 Mar 14 j 20:30	24°♏20'26	26°54'48
evening set	-11928 Apr 22 j 10:38	17°♏23'46			-11927 Mar 22 j 08:34	0°♏	
min. Earth dist.	-11928 Apr 26 j 03:25	14°♏20'49	0.62310 AU	desc. node	-11927 Mar 27 j 02:38	1°♏38'36	
inferior conj	-11928 Apr 29 j 02:26	11°♏27'36	-3°25'53	retrograde	-11927 Mar 28 j 22:33	1°♏47'19	
minimum elong	-11928 Apr 29 j 01:55	11°♏28'53	3°26'23	evening set	-11927 Apr 04 j 08:37	29°♏56'49	
morning rise	-11928 May 05 j 18:38	6°♏21'25			-11927 Apr 04 j 06:21	30°♏♎	
direct	-11928 May 08 j 10:45	5°♏48'21		min. Earth dist.	-11927 Apr 08 j 09:43	27°♏05'48	0.60362 AU
morning max el	-11928 May 15 j 01:44	9°♏10'52	18°02'10	inferior conj	-11927 Apr 11 j 17:04	24°♏16'41	-3°07'55
asc. node	-11928 May 19 j 04:56	14°♏09'58		minimum elong	-11927 Apr 11 j 14:42	24°♏21'46	3°08'16
	-11928 May 28 j 20:05	0°♐		morning rise	-11927 Apr 18 j 23:07	19°♏30'16	
morning set	-11928 May 31 j 18:33	5°♐13'11		direct	-11927 Apr 21 j 11:01	19°♏05'28	
				morning max el	-11927 Apr 28 j 14:11	22°♏35'30	18°11'27
superior conj	-11928 Jun 12 j 09:13	25°♐29'51	1°46'10		-11927 May 04 j 10:08	0°♏	
minimum elong	-11928 Jun 12 j 11:40	25°♐40'16	1°45'59	asc. node	-11927 May 06 j 01:44	2°♏36'59	
	-11928 Jun 15 j 01:27	0°♑		morning set	-11927 May 14 j 17:04	18°♏03'15	
max. Earth dist.	-11928 Jun 19 j 00:42	6°♑33'02	1.42853 AU		-11927 May 21 j 04:06	0°♐	
evening rise	-11928 Jun 27 j 11:03	20°♑01'25					
	-11928 Jul 03 j 21:59	0°♑		superior conj	-11927 May 24 j 21:10	6°♐41'45	1°48'40
desc. node	-11928 Jul 06 j 02:27	3°♑19'06		minimum elong	-11927 May 24 j 20:18	6°♐37'54	1°48'21
	-11928 Jul 25 j 05:11	0°♒		max. Earth dist.	-11927 Jun 01 j 06:32	19°♐30'45	1.41231 AU
evening max el	-11928 Jul 27 j 15:25	2°♒39'08	21°10'39	evening rise	-11927 Jun 06 j 23:56	28°♐58'25	
retrograde	-11928 Aug 05 j 02:46	7°♒38'07			-11927 Jun 07 j 15:10	0°♑	
evening set	-11928 Aug 09 j 05:09	6°♒03'40		desc. node	-11927 Jun 22 j 23:57	23°♑33'37	
	-11928 Aug 14 j 11:35	30°♒♎			-11927 Jun 27 j 12:14	0°♑	
inferior conj	-11928 Aug 14 j 12:51	29°♒55'41	-0°13'26	evening max el	-11927 Jul 10 j 08:01	16°♒00'40	22°28'19
minimum elong	-11928 Aug 14 j 13:07	29°♒54'45	0°12'43	retrograde	-11927 Jul 19 j 21:21	21°♒40'36	
transit middle	-11928 Aug 14 j 13:07	29°♒54'45	0°12'43	evening set	-11927 Jul 24 j 13:27	19°♒44'51	
transit begin	-11928 Aug 14 j 11:25	0°♒00'36		inferior conj	-11927 Jul 29 j 18:55	13°♒31'57	-1°01'31
transit end	-11928 Aug 14 j 14:50	29°♒48'53		minimum elong	-11927 Jul 29 j 20:08	13°♒27'42	1°00'36
min. Earth dist.	-11928 Aug 15 j 00:32	29°♒15'43	0.66979 AU	min. Earth dist.	-11927 Jul 29 j 20:01	13°♒28'06	0.67229 AU
asc. node	-11928 Aug 15 j 05:56	28°♒57'18		asc. node	-11927 Aug 02 j 02:48	9°♒12'14	
morning rise	-11928 Aug 19 j 20:57	23°♒34'47		morning rise	-11927 Aug 04 j 02:44	7°♒14'02	
direct	-11928 Aug 24 j 22:59	21°♒26'37		direct	-11927 Aug 08 j 15:17	5°♒24'23	
morning max el	-11928 Sep 04 j 16:22	27°♒53'05	23°47'41	morning max el	-11927 Aug 18 j 04:52	11°♒09'25	22°23'58
	-11928 Sep 06 j 16:09	0°♒			-11927 Sep 01 j 22:01	0°♒	
	-11928 Sep 28 j 15:27	0°♓		desc. node	-11927 Sep 18 j 21:27	25°♒45'00	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning set	-11927 Sep 20 j 03:58	27° Π 47'34			morning set	-11926 Aug 26 j 08:37	0° Π	
	-11927 Sep 21 j 12:40	0° Ξ				-11926 Aug 30 j 15:06	6° Π 37'25	
max. Earth dist.	-11927 Sep 26 j 02:39	7° Ξ 34'56	1.41106 AU		desc. node	-11926 Sep 05 j 18:34	16° Π 21'39	
					max. Earth dist.	-11926 Sep 08 j 09:27	20° Π 35'53	1.42797 AU
superior conj	-11927 Oct 03 j 16:47	20° Ξ 42'59	-1°20'05			-11926 Sep 14 j 01:55	0° Ξ	
minimum elong	-11927 Oct 03 j 13:10	20° Ξ 26'57	1°19'07					
	-11927 Oct 08 j 19:44	0° Ω			superior conj	-11926 Sep 15 j 00:23	1° Ξ 34'38	-0°53'38
evening rise	-11927 Oct 13 j 20:49	9° Ω 22'33			minimum elong	-11926 Sep 14 j 20:14	1° Ξ 17'07	0°52'28
	-11927 Oct 25 j 18:10	0° Π			evening rise	-11926 Sep 26 j 19:09	22° Ξ 06'44	
asc. node	-11927 Oct 29 j 02:10	4° Π 15'02				-11926 Oct 01 j 05:43	0° Ω	
evening max el	-11927 Oct 30 j 01:24	5° Π 15'41	18°15'19		evening max el	-11926 Oct 13 j 13:03	18° Ω 26'59	18°07'00
retrograde	-11927 Nov 06 j 06:55	8° Π 54'22			asc. node	-11926 Oct 15 j 23:25	20° Ω 30'26	
evening set	-11927 Nov 08 j 18:33	8° Π 29'26			retrograde	-11926 Oct 20 j 07:12	21° Ω 59'38	
inferior conj	-11927 Nov 16 j 00:21	3° Π 40'32	4°05'12		evening set	-11926 Oct 22 j 20:38	21° Ω 28'53	
minimum elong	-11927 Nov 15 j 21:37	3° Π 46'26	4°05'14		inferior conj	-11926 Oct 29 j 14:41	16° Ω 19'22	3°33'10
min. Earth dist.	-11927 Nov 19 j 03:25	0° Π 58'54	0.60238 AU		minimum elong	-11926 Oct 29 j 10:54	16° Ω 28'41	3°32'51
	-11927 Nov 20 j 08:48	30° κ Ω			min. Earth dist.	-11926 Nov 01 j 08:47	13° Ω 37'04	0.62044 AU
morning rise	-11927 Nov 22 j 23:13	28° Ω 12'16			morning rise	-11926 Nov 05 j 00:02	10° Ω 33'38	
direct	-11927 Nov 29 j 17:56	26° Ω 08'26			direct	-11926 Nov 12 j 01:24	8° Ω 03'39	
	-11927 Dec 09 j 14:28	0° Π			morning max el	-11926 Nov 25 j 21:29	15° Ω 33'08	27°32'08
morning max el	-11927 Dec 13 j 17:45	3° Π 30'58	27°02'06		desc. node	-11926 Dec 02 j 19:09	23° Ω 13'53	
desc. node	-11927 Dec 15 j 22:30	5° Π 44'28				-11926 Dec 07 j 20:59	0° Π	
	-11926 Jan 02 j 05:30	0° Ξ				-11926 Dec 25 j 16:02	0° Ξ	
morning set	-11926 Jan 13 j 13:58	21° Ξ 34'11			morning set	-11926 Dec 28 j 19:09	6° Ξ 14'48	
	-11926 Jan 17 j 13:20	0° \mathbb{M}			max. Earth dist.	-11925 Jan 03 j 17:18	18° Ξ 42'51	1.33042 AU
superior conj	-11926 Jan 20 j 15:25	6° \mathbb{M} 42'56	-0°40'08		superior conj	-11925 Jan 05 j 02:30	21° Ξ 42'29	-0°59'42
minimum elong	-11926 Jan 20 j 16:56	6° \mathbb{M} 51'10	0°40'14		minimum elong	-11925 Jan 05 j 04:28	21° Ξ 53'10	0°59'36
max. Earth dist.	-11926 Jan 20 j 06:09	5° \mathbb{M} 52'19	1.32790 AU			-11925 Jan 08 j 22:12	0° \mathbb{M}	
asc. node	-11926 Jan 24 j 23:41	16° \mathbb{M} 09'45			asc. node	-11925 Jan 11 j 21:02	6° \mathbb{M} 18'27	
evening rise	-11926 Jan 27 j 16:33	21° \mathbb{M} 53'59			evening rise	-11925 Jan 12 j 03:24	6° \mathbb{M} 51'58	
	-11926 Jan 31 j 16:17	0° \mathcal{Z}				-11925 Jan 24 j 11:21	0° \mathcal{Z}	
	-11926 Feb 19 j 10:13	0° \mathcal{Z}			evening max el	-11925 Feb 06 j 13:37	16° \mathcal{Z} 52'25	24°30'55
evening max el	-11926 Feb 24 j 19:27	5° \mathcal{Z} 51'32	25°54'12		retrograde	-11925 Feb 20 j 09:40	23° \mathcal{Z} 46'57	
retrograde	-11926 Mar 10 j 21:45	13° \mathcal{Z} 06'56			evening set	-11925 Feb 24 j 21:40	23° \mathcal{Z} 01'10	
desc. node	-11926 Mar 13 j 23:40	12° \mathcal{Z} 43'36			desc. node	-11925 Feb 28 j 20:37	21° \mathcal{Z} 13'46	
evening set	-11926 Mar 16 j 11:44	11° \mathcal{Z} 51'05			min. Earth dist.	-11925 Mar 03 j 03:03	19° \mathcal{Z} 52'34	0.56743 AU
min. Earth dist.	-11926 Mar 21 j 08:41	8° \mathcal{Z} 57'42	0.58408 AU		inferior conj	-11925 Mar 05 j 15:49	18° \mathcal{Z} 14'47	-1°11'17
inferior conj	-11926 Mar 24 j 14:18	6° \mathcal{Z} 34'40	-2°24'28		minimum elong	-11925 Mar 05 j 13:13	18° \mathcal{Z} 18'59	1°11'10
minimum elong	-11926 Mar 24 j 10:45	6° \mathcal{Z} 41'17	2°24'23		morning rise	-11925 Mar 14 j 07:55	14° \mathcal{Z} 04'40	
morning rise	-11926 Apr 01 j 12:55	2° \mathcal{Z} 08'09			direct	-11925 Mar 16 j 12:00	13° \mathcal{Z} 51'34	
direct	-11926 Apr 03 j 20:32	1° \mathcal{Z} 50'15			morning max el	-11925 Mar 25 j 23:12	18° \mathcal{Z} 19'56	19°28'27
morning max el	-11926 Apr 11 j 22:21	5° \mathcal{Z} 41'47	18°40'04			-11925 Apr 03 j 17:15	0° \mathcal{Z}	
asc. node	-11926 Apr 22 j 22:38	21° \mathcal{Z} 39'37			asc. node	-11925 Apr 09 j 19:36	11° \mathcal{Z} 09'21	
	-11926 Apr 27 j 09:10	0° \approx			morning set	-11925 Apr 12 j 03:45	15° \mathcal{Z} 46'04	
morning set	-11926 Apr 28 j 05:25	1° \approx 37'28				-11925 Apr 19 j 06:52	0° \approx	
superior conj	-11926 May 07 j 07:33	19° \approx 02'41	1°40'09		superior conj	-11925 Apr 20 j 10:53	2° \approx 17'40	1°24'22
minimum elong	-11926 May 07 j 04:55	18° \approx 50'21	1°39'30		minimum elong	-11925 Apr 20 j 07:50	2° \approx 02'43	1°23'26
	-11926 May 13 j 07:34	0° \mathcal{H}			max. Earth dist.	-11925 Apr 26 j 08:19	13° \approx 32'05	1.37531 AU
max. Earth dist.	-11926 May 14 j 07:38	1° \mathcal{H} 46'30	1.39373 AU		evening rise	-11925 Apr 30 j 08:33	20° \approx 49'06	
evening rise	-11926 May 18 j 14:56	9° \mathcal{H} 12'54				-11925 May 05 j 15:56	0° \mathcal{H}	
	-11926 May 31 j 14:09	0° Υ				-11925 May 25 j 12:15	0° Υ	
desc. node	-11926 Jun 09 j 21:27	13° Υ 29'16			desc. node	-11925 May 27 j 18:54	2° Υ 58'17	
evening max el	-11926 Jun 22 j 19:31	29° Υ 19'59	23°50'39		evening max el	-11925 Jun 05 j 05:03	12° Υ 40'53	25°10'07
	-11926 Jun 23 j 11:43	0° \mathcal{B}			retrograde	-11925 Jun 17 j 00:53	19° Υ 38'17	
retrograde	-11926 Jul 03 j 13:01	5° \mathcal{B} 41'58			evening set	-11925 Jun 22 j 22:06	17° Υ 04'02	
evening set	-11926 Jul 08 j 19:46	3° \mathcal{B} 25'15			min. Earth dist.	-11925 Jun 27 j 07:58	12° Υ 00'08	0.66781 AU
	-11926 Jul 11 j 22:23	30° κ Υ			inferior conj	-11925 Jun 28 j 05:43	10° Υ 48'06	-2°23'40
min. Earth dist.	-11926 Jul 13 j 15:15	27° Υ 43'30	0.67171 AU		minimum elong	-11925 Jun 28 j 08:00	10° Υ 40'30	2°22'58
inferior conj	-11926 Jul 14 j 01:07	27° Υ 09'44	-1°45'23		morning rise	-11925 Jul 03 j 17:55	4° Υ 46'02	
minimum elong	-11926 Jul 14 j 03:03	27° Υ 03'07	1°44'28		asc. node	-11925 Jul 06 j 20:26	3° Υ 31'57	
morning rise	-11926 Jul 19 j 10:17	20° Υ 58'11			direct	-11925 Jul 07 j 08:27	3° Υ 30'32	
asc. node	-11926 Jul 19 j 23:38	20° Υ 34'23			morning max el	-11925 Jul 14 j 22:27	7° Υ 56'06	19°57'00
direct	-11926 Jul 23 j 10:52	19° Υ 26'28				-11925 Jul 30 j 23:24	0° \mathcal{B}	
morning max el	-11926 Jul 31 j 22:28	24° Υ 29'36	21°05'13		morning set	-11925 Aug 09 j 18:09	15° \mathcal{B} 06'33	
	-11926 Aug 05 j 16:00	0° \mathcal{B}				-11925 Aug 19 j 05:48	0° Π	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

max. Earth dist.	-11925 Aug 21 j 21:33	4° Π 13'22	1.43998 AU	asc. node	-11924 Jun 22 j 17:12	18° X 06'07	
desc. node	-11925 Aug 23 j 15:46	7° Π 02'14		morning max el	-11924 Jun 27 j 04:31	21° X 28'28	19°02'57
					-11924 Jul 03 j 21:25	0° Υ	
superior conj	-11925 Aug 26 j 04:18	11° Π 05'59	-0°15'05	morning set	-11924 Jul 19 j 08:55	24° Υ 08'51	
minimum elong	-11925 Aug 26 j 02:44	10° Π 59'35	0°14'16		-11924 Jul 23 j 01:13	0° X	
behind sun begin	-11925 Aug 25 j 21:27	10° Π 38'15		max. Earth dist.	-11924 Aug 03 j 13:18	18° X 13'06	1.44560 AU
behind sun end	-11925 Aug 26 j 08:00	11° Π 20'56					
	-11925 Sep 06 j 14:46	0° X		superior conj	-11924 Aug 04 j 09:38	19° X 33'35	0°30'12
evening rise	-11925 Sep 08 j 22:48	3° X 56'55		minimum elong	-11924 Aug 04 j 13:17	19° X 48'01	0°30'16
	-11925 Sep 25 j 11:03	0° Ω		desc. node	-11924 Aug 09 j 13:02	27° X 43'12	
evening max el	-11925 Sep 27 j 02:44	1° Ω 50'12	18°17'31		-11924 Aug 10 j 23:23	0° Π	
asc. node	-11925 Oct 02 j 20:35	5° Ω 21'55		evening rise	-11924 Aug 20 j 01:59	14° Π 38'29	
retrograde	-11925 Oct 03 j 17:25	5° Ω 25'54			-11924 Aug 29 j 14:33	0° X	
evening set	-11925 Oct 06 j 10:52	4° Ω 46'50		evening max el	-11924 Sep 09 j 15:30	15° X 19'17	18°45'47
	-11925 Oct 12 j 03:29	30° R X		retrograde	-11924 Sep 16 j 09:50	19° X 06'39	
inferior conj	-11925 Oct 12 j 18:24	29° X 19'12	2°49'27	asc. node	-11924 Sep 18 j 17:41	18° X 36'04	
minimum elong	-11925 Oct 12 j 14:49	29° X 29'04	2°49'01	evening set	-11924 Sep 19 j 09:41	18° X 16'08	
min. Earth dist.	-11925 Oct 15 j 00:13	26° X 51'37	0.63650 AU	inferior conj	-11924 Sep 25 j 08:14	12° X 33'20	1°59'43
morning rise	-11925 Oct 18 j 17:57	23° X 19'21		minimum elong	-11924 Sep 25 j 05:31	12° X 41'28	1°59'27
direct	-11925 Oct 25 j 16:33	20° X 36'34		min. Earth dist.	-11924 Sep 27 j 01:12	10° X 30'27	0.64969 AU
morning max el	-11925 Nov 08 j 05:36	28° X 09'21	27°27'32	morning rise	-11924 Oct 01 j 00:49	6° X 22'50	
	-11925 Nov 10 j 01:14	0° Ω		direct	-11924 Oct 07 j 14:11	3° X 40'06	
desc. node	-11925 Nov 19 j 15:51	11° Ω 45'15		morning max el	-11924 Oct 20 j 15:36	11° X 08'46	26°51'54
	-11925 Dec 01 j 13:20	0° R			-11924 Nov 04 j 19:57	0° Ω	
morning set	-11925 Dec 12 j 17:21	20° R 31'01		desc. node	-11924 Nov 05 j 12:35	1° Ω 00'29	
	-11925 Dec 17 j 08:56	0° Ω			-11924 Nov 22 j 23:50	0° R	
max. Earth dist.	-11925 Dec 17 j 22:15	1° Ω 09'39	1.33671 AU	morning set	-11924 Nov 25 j 05:19	4° R 12'30	
				max. Earth dist.	-11924 Nov 29 j 17:54	13° R 06'17	1.34718 AU
superior conj	-11925 Dec 20 j 10:59	6° Ω 31'24	-1°16'22				
minimum elong	-11925 Dec 20 j 13:03	6° Ω 42'26	1°16'10	superior conj	-11924 Dec 03 j 14:48	21° R 02'49	-1°29'10
evening rise	-11925 Dec 27 j 14:36	21° Ω 47'23		minimum elong	-11924 Dec 03 j 16:30	21° R 11'41	1°28'55
asc. node	-11925 Dec 29 j 18:23	26° Ω 15'01			-11924 Dec 07 j 21:06	0° Ω	
	-11925 Dec 31 j 15:18	0° R		evening rise	-11924 Dec 11 j 00:29	6° Ω 34'42	
evening max el	-11924 Jan 19 j 07:08	27° R 43'40	22°57'18	asc. node	-11924 Dec 15 j 15:43	15° Ω 53'58	
	-11924 Jan 21 j 23:10	0° X			-11924 Dec 23 j 21:30	0° R	
retrograde	-11924 Feb 01 j 09:04	4° X 02'42		evening max el	-11924 Dec 31 j 05:24	8° R 48'52	21°26'31
evening set	-11924 Feb 04 j 21:15	3° X 35'50		retrograde	-11923 Jan 11 j 23:50	14° R 21'52	
	-11924 Feb 12 j 19:09	30° R R		evening set	-11923 Jan 14 j 21:19	14° R 02'51	
min. Earth dist.	-11924 Feb 12 j 18:58	0° X 00'17	0.55695 AU	inferior conj	-11923 Jan 23 j 21:11	10° R 02'33	2°10'02
inferior conj	-11924 Feb 13 j 23:20	29° R 18'48	0°27'02	minimum elong	-11923 Jan 24 j 02:14	9° R 55'20	2°08'10
minimum elong	-11924 Feb 14 j 00:27	29° R 17'09	0°26'06	min. Earth dist.	-11923 Jan 24 j 09:10	9° R 45'26	0.55477 AU
desc. node	-11924 Feb 15 j 17:30	28° R 17'53		desc. node	-11923 Feb 01 j 14:19	6° R 01'12	
morning rise	-11924 Feb 23 j 05:15	25° R 15'28		morning rise	-11923 Feb 02 j 06:37	5° R 51'51	
direct	-11924 Feb 25 j 11:08	25° R 03'18		direct	-11923 Feb 05 j 02:33	5° R 33'59	
	-11924 Mar 07 j 05:03	0° X		morning max el	-11923 Feb 17 j 17:12	11° R 41'02	22°01'12
morning max el	-11924 Mar 07 j 13:54	0° X 20'37	20°36'15		-11923 Mar 02 j 23:12	0° X	
morning set	-11924 Mar 26 j 08:58	0° X 19'46		morning set	-11923 Mar 10 j 18:36	15° X 11'29	
	-11924 Mar 26 j 05:05	0° X		asc. node	-11923 Mar 13 j 13:40	21° X 02'41	
asc. node	-11924 Mar 26 j 16:37	0° X 58'47			-11923 Mar 17 j 19:33	0° X	
superior conj	-11924 Apr 03 j 02:25	16° X 12'28	1°04'10	superior conj	-11923 Mar 18 j 02:36	0° X 36'59	0°41'35
minimum elong	-11924 Apr 02 j 23:48	15° X 59'08	1°03'06	minimum elong	-11923 Mar 18 j 00:51	0° X 27'45	0°40'34
max. Earth dist.	-11924 Apr 07 j 15:11	25° X 14'50	1.35914 AU	max. Earth dist.	-11923 Mar 21 j 08:16	7° X 18'59	1.34627 AU
	-11924 Apr 10 j 02:23	0° \approx		evening rise	-11923 Mar 26 j 06:11	17° X 05'37	
evening rise	-11924 Apr 11 j 23:29	3° \approx 32'03			-11923 Apr 02 j 05:49	0° \approx	
	-11924 Apr 27 j 14:14	0° X			-11923 Apr 21 j 21:51	0° X	
desc. node	-11924 May 13 j 16:19	21° X 49'10		evening max el	-11923 Apr 30 j 02:08	9° X 18'29	27°06'00
evening max el	-11924 May 17 j 15:09	26° X 02'38	26°18'07	desc. node	-11923 Apr 30 j 13:39	9° X 46'24	
	-11924 May 22 j 03:39	0° Υ		retrograde	-11923 May 13 j 10:02	16° X 50'06	
retrograde	-11924 May 30 j 08:07	3° Υ 23'11		evening set	-11923 May 20 j 05:27	14° X 04'20	
evening set	-11924 Jun 05 j 18:12	0° Υ 38'11		min. Earth dist.	-11923 May 24 j 00:37	10° X 17'15	0.64879 AU
	-11924 Jun 06 j 10:56	30° R X		inferior conj	-11923 May 26 j 01:54	7° X 54'46	-3°17'00
min. Earth dist.	-11924 Jun 09 j 19:48	26° X 13'33	0.66024 AU	minimum elong	-11923 May 26 j 03:32	7° X 50'02	3°17'05
inferior conj	-11924 Jun 11 j 06:43	24° X 24'11	-2°54'53	morning rise	-11923 Jun 01 j 02:01	2° X 20'22	
minimum elong	-11924 Jun 11 j 08:57	24° X 17'12	2°54'32	direct	-11923 Jun 04 j 02:02	1° X 31'11	
morning rise	-11924 Jun 16 j 23:49	18° X 34'34		asc. node	-11923 Jun 09 j 13:58	4° X 05'09	
direct	-11924 Jun 20 j 06:15	17° X 33'12		morning max el	-11923 Jun 10 j 15:21	5° X 05'16	18°25'21

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-11923 Jun 27 j 09:19	0°♿				-11922 Jun 02 j 11:21	0°♿	
morning set	-11923 Jun 29 j 23:18	4°♿16'54			morning set	-11922 Jun 11 j 14:37	15°♿34'43	
						-11922 Jun 20 j 00:35	0°♿	
superior conj	-11923 Jul 14 j 10:47	27°♿50'44	1°11'11		superior conj	-11922 Jun 24 j 05:04	6°♿58'55	1°38'10
minimum elong	-11923 Jul 14 j 17:23	28°♿17'08	1°10'51		minimum elong	-11922 Jun 24 j 09:43	7°♿18'06	1°37'56
	-11923 Jul 15 j 19:12	0°♿			max. Earth dist.	-11922 Jun 29 j 20:19	16°♿10'10	1.43585 AU
max. Earth dist.	-11923 Jul 17 j 06:03	2°♿18'34	1.44415 AU			-11922 Jul 08 j 13:47	0°♿	
desc. node	-11923 Jul 27 j 10:22	18°♿21'41			evening rise	-11922 Jul 10 j 05:15	2°♿33'44	
evening rise	-11923 Jul 31 j 01:52	24°♿04'41			desc. node	-11922 Jul 14 j 07:47	8°♿54'19	
	-11923 Aug 03 j 20:43	0°♿				-11922 Jul 28 j 11:08	0°♿	
greatest brilliancy	-11923 Aug 10 j 09:43	10°♿08'59	-0.7m		evening max el	-11922 Aug 07 j 03:56	12°♿17'06	20°30'22
evening max el	-11923 Aug 24 j 00:39	28°♿49'27	19°30'34		retrograde	-11922 Aug 15 j 02:24	16°♿55'21	
	-11923 Aug 25 j 05:51	0°♿			evening set	-11922 Aug 18 j 21:41	15°♿32'13	
retrograde	-11923 Aug 31 j 05:37	2°♿57'32			asc. node	-11922 Aug 23 j 11:39	10°♿34'33	
evening set	-11923 Sep 03 j 14:07	1°♿52'17			inferior conj	-11922 Aug 24 j 07:34	9°♿27'55	0°15'42
asc. node	-11923 Sep 05 j 14:42	0°♿12'13			minimum elong	-11922 Aug 24 j 07:13	9°♿29'09	0°16'12
	-11923 Sep 05 j 19:35	30°♿			transit middle	-11922 Aug 24 j 07:13	9°♿29'09	0°16'12
inferior conj	-11923 Sep 09 j 05:23	25°♿57'11	1°07'37		transit begin	-11922 Aug 24 j 06:48	9°♿30'33	
minimum elong	-11923 Sep 09 j 03:50	26°♿02'10	1°07'43		transit end	-11922 Aug 24 j 07:37	9°♿27'45	
min. Earth dist.	-11923 Sep 10 j 10:13	24°♿24'34	0.65983 AU		min. Earth dist.	-11922 Aug 25 j 01:16	8°♿28'20	0.66693 AU
morning rise	-11923 Sep 14 j 17:15	19°♿39'40			morning rise	-11922 Aug 29 j 16:33	3°♿07'05	
direct	-11923 Sep 20 j 17:40	17°♿06'28			direct	-11922 Sep 04 j 02:36	0°♿49'07	
morning max el	-11923 Oct 03 j 01:43	24°♿20'27	25°51'46		morning max el	-11922 Sep 15 j 11:35	7°♿36'26	24°35'30
	-11923 Oct 08 j 05:22	0°♿				-11922 Oct 03 j 00:54	0°♿	
desc. node	-11923 Oct 23 j 09:18	20°♿46'22			desc. node	-11922 Oct 10 j 06:08	10°♿54'13	
	-11923 Oct 29 j 05:39	0°♿			morning set	-11922 Oct 21 j 04:49	28°♿58'06	
morning set	-11923 Nov 08 j 02:50	17°♿05'58				-11922 Oct 21 j 19:00	0°♿	
max. Earth dist.	-11923 Nov 12 j 02:58	24°♿36'17	1.36191 AU		max. Earth dist.	-11922 Oct 25 j 03:59	6°♿00'45	1.38012 AU
	-11923 Nov 14 j 21:37	0°♿						
superior conj	-11923 Nov 17 j 11:19	5°♿07'23	-1°36'50		superior conj	-11922 Oct 31 j 21:12	18°♿35'27	-1°37'42
minimum elong	-11923 Nov 17 j 12:06	5°♿11'19	1°36'31		minimum elong	-11922 Oct 31 j 20:29	18°♿31'57	1°37'13
evening rise	-11923 Nov 25 j 07:14	21°♿07'21				-11922 Nov 06 j 16:33	0°♿	
	-11923 Nov 29 j 18:34	0°♿			evening rise	-11922 Nov 09 j 08:50	5°♿19'31	
asc. node	-11923 Dec 02 j 13:04	5°♿07'43			asc. node	-11922 Nov 19 j 10:24	23°♿47'32	
evening max el	-11923 Dec 13 j 12:19	20°♿22'22	20°08'25			-11922 Nov 23 j 21:36	0°♿	
retrograde	-11923 Dec 23 j 17:11	25°♿10'00			evening max el	-11922 Nov 26 j 05:30	2°♿29'55	19°08'35
evening set	-11923 Dec 26 j 08:04	24°♿52'26			retrograde	-11922 Dec 04 j 23:57	6°♿41'06	
inferior conj	-11922 Jan 03 j 22:18	20°♿50'43	3°29'50		evening set	-11922 Dec 07 j 12:05	6°♿22'05	
minimum elong	-11922 Jan 04 j 03:39	20°♿42'31	3°28'35		inferior conj	-11922 Dec 15 j 13:53	2°♿06'11	4°10'47
min. Earth dist.	-11922 Jan 05 j 22:16	19°♿37'38	0.56110 AU		minimum elong	-11922 Dec 15 j 16:04	2°♿02'24	4°10'38
morning rise	-11922 Jan 12 j 21:29	16°♿19'51			min. Earth dist.	-11922 Dec 18 j 12:11	0°♿05'05	0.57435 AU
direct	-11922 Jan 16 j 20:55	15°♿44'55				-11922 Dec 18 j 15:15	30°♿	
desc. node	-11922 Jan 19 j 11:03	16°♿00'11			morning rise	-11922 Dec 23 j 17:59	27°♿10'41	
morning max el	-11922 Jan 30 j 11:13	22°♿29'57	23°36'57		direct	-11922 Dec 29 j 01:45	26°♿04'33	
	-11922 Feb 06 j 00:23	0°♿			desc. node	-11921 Jan 06 j 07:44	28°♿39'57	
morning set	-11922 Feb 23 j 06:34	0°♿13'16				-11921 Jan 08 j 07:19	0°♿	
	-11922 Feb 23 j 04:02	0°♿			morning max el	-11921 Jan 12 j 01:59	3°♿12'07	25°11'24
asc. node	-11922 Feb 28 j 10:47	11°♿15'30				-11921 Jan 31 j 01:05	0°♿	
					morning set	-11921 Feb 07 j 19:03	15°♿18'26	
superior conj	-11922 Mar 02 j 08:39	15°♿21'41	0°18'03		superior conj	-11921 Feb 14 j 18:25	0°♿19'17	-0°05'24
minimum elong	-11922 Mar 02 j 07:54	15°♿17'41	0°17'14		minimum elong	-11921 Feb 14 j 18:40	0°♿20'38	0°05'56
max. Earth dist.	-11922 Mar 04 j 10:57	19°♿49'26	1.33685 AU		behind sun begin	-11921 Feb 14 j 13:57	29°♿55'03	
	-11922 Mar 09 j 09:07	0°♿			behind sun end	-11921 Feb 14 j 23:22	0°♿46'12	
evening rise	-11922 Mar 10 j 00:03	1°♿14'45				-11921 Feb 14 j 14:52	0°♿	
	-11922 Mar 26 j 05:10	0°♿			asc. node	-11921 Feb 15 j 08:00	1°♿33'00	
evening max el	-11922 Apr 12 j 12:17	22°♿16'12	27°26'47		max. Earth dist.	-11921 Feb 15 j 20:31	2°♿40'48	1.33079 AU
desc. node	-11922 Apr 17 j 10:57	26°♿27'45			evening rise	-11921 Feb 22 j 01:41	15°♿48'33	
retrograde	-11922 Apr 26 j 06:03	29°♿50'43				-11921 Mar 01 j 09:36	0°♿	
evening set	-11922 May 03 j 04:49	27°♿16'37				-11921 Mar 21 j 08:30	0°♿	
min. Earth dist.	-11922 May 06 j 20:46	24°♿00'56	0.63344 AU		evening max el	-11921 Mar 25 j 19:21	4°♿44'40	27°15'49
inferior conj	-11922 May 09 j 12:34	21°♿14'32	-3°27'06		desc. node	-11921 Apr 04 j 08:10	11°♿23'43	
minimum elong	-11922 May 09 j 12:59	21°♿13'25	3°27'32		retrograde	-11921 Apr 08 j 19:28	12°♿16'30	
morning rise	-11922 May 15 j 22:08	15°♿57'46			evening set	-11921 Apr 15 j 12:58	10°♿07'00	
direct	-11922 May 18 j 16:58	15°♿19'12			min. Earth dist.	-11921 Apr 19 j 07:52	7°♿11'11	0.61497 AU
morning max el	-11922 May 25 j 04:53	18°♿42'27	18°05'27		inferior conj	-11921 Apr 22 j 11:30	4°♿16'47	-3°20'58
asc. node	-11922 May 27 j 10:44	21°♿12'59						

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-11921 Apr 22 j 10:12	4°≈19'49	3°21'28	inferior conj	-11920 Apr 03 j 19:12	16°≈54'14	-2°52'59
	-11921 Apr 27 j 22:07	30°≈3		minimum elong	-11920 Apr 03 j 16:10	17°≈00'21	2°53'09
morning rise	-11921 Apr 29 j 09:17	29°≈19'17		morning rise	-11920 Apr 11 j 08:02	12°≈16'29	
direct	-11921 May 01 j 23:34	28°≈49'58		direct	-11920 Apr 13 j 17:55	11°≈54'59	
	-11921 May 05 j 22:15	0°≈		morning max el	-11920 Apr 21 j 05:40	15°≈32'43	18°21'13
morning max el	-11921 May 08 j 18:35	2°≈13'59	18°03'52	asc. node	-11920 Apr 30 j 04:26	27°≈58'35	
asc. node	-11921 May 14 j 07:33	9°≈14'41			-11920 May 01 j 08:17	0°≈	
morning set	-11921 May 25 j 03:06	27°≈53'43		morning set	-11920 May 07 j 08:05	11°≈04'09	
	-11921 May 26 j 06:56	0°≈					
				superior conj	-11920 May 17 j 00:11	29°≈09'07	1°46'10
superior conj	-11921 Jun 05 j 01:58	17°≈25'40	1°48'51	minimum elong	-11920 May 16 j 22:23	29°≈00'52	1°45'43
minimum elong	-11921 Jun 05 j 02:51	17°≈29'32	1°48'39		-11920 May 17 j 11:23	0°≈	
max. Earth dist.	-11921 Jun 12 j 05:04	29°≈29'05	1.42196 AU	max. Earth dist.	-11920 May 24 j 08:03	12°≈06'47	1.40449 AU
	-11921 Jun 12 j 12:33	0°≈		evening rise	-11920 May 29 j 07:25	20°≈28'54	
evening rise	-11921 Jun 19 j 08:06	11°≈00'57			-11920 Jun 04 j 05:03	0°≈	
desc. node	-11921 Jul 01 j 05:16	29°≈16'41		desc. node	-11920 Jun 17 j 02:46	19°≈24'03	
	-11921 Jul 01 j 16:55	0°≈			-11920 Jun 24 j 21:18	0°≈	
evening max el	-11921 Jul 21 j 00:10	25°≈39'53	21°42'45	evening max el	-11920 Jul 02 j 14:16	9°≈00'02	23°03'15
	-11921 Jul 26 j 11:13	0°≈		retrograde	-11920 Jul 12 j 15:48	14°≈58'34	
retrograde	-11921 Jul 29 j 22:19	0°≈56'26		evening set	-11920 Jul 17 j 13:57	12°≈53'57	
	-11921 Aug 02 j 03:29	30°≈8		inferior conj	-11920 Jul 22 j 19:06	6°≈39'39	-1°20'43
evening set	-11921 Aug 03 j 06:16	29°≈13'04		minimum elong	-11920 Jul 22 j 20:39	6°≈34'16	1°19'47
inferior conj	-11921 Aug 08 j 12:44	23°≈02'27	-0°34'14	min. Earth dist.	-11920 Jul 22 j 15:42	6°≈51'24	0.67239 AU
minimum elong	-11921 Aug 08 j 13:27	23°≈00'00	0°33'26	asc. node	-11920 Jul 27 j 05:26	1°≈11'47	
min. Earth dist.	-11921 Aug 08 j 19:54	22°≈37'43	0.67111 AU	morning rise	-11920 Jul 28 j 03:16	0°≈23'45	
asc. node	-11921 Aug 10 j 08:34	20°≈33'41			-11920 Jul 28 j 15:55	30°≈	
morning rise	-11921 Aug 13 j 20:30	16°≈42'11		direct	-11920 Aug 01 j 10:31	28°≈41'44	
direct	-11921 Aug 18 j 16:32	14°≈41'58			-11920 Aug 05 j 13:16	0°≈	
morning max el	-11921 Aug 28 j 22:24	20°≈52'05	23°11'57	morning max el	-11920 Aug 10 j 12:40	4°≈09'03	21°49'25
	-11921 Sep 05 j 16:40	0°≈			-11920 Aug 29 j 21:03	0°≈	
	-11921 Sep 26 j 07:40	0°≈		morning set	-11920 Sep 11 j 05:17	18°≈58'44	
desc. node	-11921 Sep 27 j 03:04	1°≈16'55		desc. node	-11920 Sep 13 j 00:06	21°≈49'34	
morning set	-11921 Oct 02 j 06:09	9°≈36'04		max. Earth dist.	-11920 Sep 18 j 05:21	0°≈19'47	1.41871 AU
max. Earth dist.	-11921 Oct 07 j 02:41	17°≈47'58	1.39992 AU		-11920 Sep 18 j 00:34	0°≈	
	-11921 Oct 13 j 23:44	0°≈					
				superior conj	-11920 Sep 25 j 14:04	12°≈49'35	-1°10'26
superior conj	-11921 Oct 14 j 15:58	1°≈14'17	-1°29'40	minimum elong	-11920 Sep 25 j 09:59	12°≈31'46	1°09'21
minimum elong	-11921 Oct 14 j 13:21	1°≈02'18	1°28'53		-11920 Oct 05 j 04:13	0°≈	
evening rise	-11921 Oct 24 j 02:38	19°≈04'04		evening rise	-11920 Oct 06 j 09:17	2°≈13'02	
	-11921 Oct 29 j 22:41	0°≈		evening max el	-11920 Oct 22 j 17:11	28°≈10'24	18°09'28
asc. node	-11921 Nov 06 j 07:43	11°≈42'23		asc. node	-11920 Oct 23 j 04:59	28°≈38'52	
evening max el	-11921 Nov 09 j 07:58	15°≈08'21	18°28'58		-11920 Oct 24 j 20:20	0°≈	
retrograde	-11921 Nov 17 j 00:12	18°≈55'12		retrograde	-11920 Oct 29 j 16:41	1°≈44'55	
evening set	-11921 Nov 19 j 11:32	18°≈32'56		evening set	-11920 Nov 01 j 04:55	1°≈17'43	
inferior conj	-11921 Nov 27 j 00:33	13°≈56'55	4°15'12		-11920 Nov 03 j 17:51	30°≈8	
minimum elong	-11921 Nov 26 j 23:12	13°≈59'36	4°15'21	inferior conj	-11920 Nov 08 j 05:36	26°≈20'04	3°53'29
min. Earth dist.	-11921 Nov 30 j 05:38	11°≈23'56	0.59173 AU	minimum elong	-11920 Nov 08 j 02:14	26°≈27'47	3°53'21
morning rise	-11921 Dec 04 j 09:04	8°≈39'35		min. Earth dist.	-11920 Nov 11 j 05:41	23°≈35'49	0.61027 AU
direct	-11921 Dec 10 j 18:36	6°≈55'20		morning rise	-11920 Nov 14 j 22:15	20°≈44'14	
desc. node	-11921 Dec 24 j 04:23	13°≈38'18		direct	-11920 Nov 21 j 21:24	18°≈27'24	
morning max el	-11921 Dec 24 j 19:44	14°≈14'26	26°29'31	morning max el	-11920 Dec 05 j 19:35	25°≈53'02	27°19'03
	-11920 Jan 06 j 11:54	0°≈			-11920 Dec 09 j 17:31	0°≈	
morning set	-11920 Jan 23 j 06:18	0°≈20'18		desc. node	-11920 Dec 10 j 01:01	0°≈21'28	
	-11920 Jan 23 j 02:24	0°≈			-11920 Dec 29 j 19:14	0°≈	
				morning set	-11919 Jan 06 j 14:18	15°≈10'59	
superior conj	-11920 Jan 30 j 06:03	15°≈23'16	-0°27'53	max. Earth dist.	-11919 Jan 12 j 22:27	28°≈41'07	1.32853 AU
minimum elong	-11920 Jan 30 j 07:09	15°≈29'19	0°28'08				
max. Earth dist.	-11920 Jan 30 j 09:34	15°≈42'28	1.32798 AU	superior conj	-11919 Jan 13 j 17:49	0°≈26'31	-0°48'43
asc. node	-11920 Feb 02 j 05:16	21°≈50'59		minimum elong	-11919 Jan 13 j 19:33	0°≈36'01	0°48'45
evening rise	-11920 Feb 06 j 08:32	0°≈38'18			-11919 Jan 13 j 12:57	0°≈	
	-11920 Feb 06 j 01:11	0°≈		asc. node	-11919 Jan 19 j 02:35	12°≈04'38	
	-11920 Feb 22 j 14:38	0°≈		evening rise	-11919 Jan 20 j 18:28	15°≈35'40	
evening max el	-11920 Mar 06 j 21:35	16°≈37'46	26°32'27		-11919 Jan 28 j 01:16	0°≈	
retrograde	-11920 Mar 21 j 00:45	24°≈01'21		evening max el	-11919 Feb 16 j 18:27	27°≈55'27	25°20'59
desc. node	-11920 Mar 21 j 05:17	24°≈01'16			-11919 Feb 19 j 02:40	0°≈	
evening set	-11920 Mar 27 j 03:06	22°≈25'38		retrograde	-11919 Mar 02 j 19:20	5°≈02'58	
min. Earth dist.	-11920 Mar 31 j 11:03	19°≈35'06	0.59508 AU	evening set	-11919 Mar 07 j 22:23	4°≈01'22	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

desc. node	-11919 Mar 08 j 02:19	3° Z 57'27		min. Earth dist.	-11918 Feb 23 j 00:53	11° Z 36'05	0.56218 AU
min. Earth dist.	-11919 Mar 13 j 07:59	1° Z 02'45	0.57645 AU	inferior conj	-11918 Feb 25 j 01:34	10° Z 21'34	-0°31'51
	-11919 Mar 14 j 20:30	30° R 27		minimum elong	-11918 Feb 25 j 00:16	10° Z 23'33	0°32'04
inferior conj	-11919 Mar 16 j 08:14	28° Z 57'18	-1°57'10	morning rise	-11918 Mar 06 j 00:22	6° Z 15'52	
minimum elong	-11919 Mar 16 j 04:45	29° Z 03'25	1°56'56	direct	-11918 Mar 08 j 04:27	6° Z 03'35	
morning rise	-11919 Mar 24 j 14:18	24° Z 38'05		morning max el	-11918 Mar 18 j 07:46	10° Z 51'16	19°54'54
direct	-11919 Mar 26 j 20:11	24° Z 22'31			-11918 Mar 31 j 09:16	0° Z	
morning max el	-11919 Apr 04 j 11:03	28° Z 28'16	18°58'08	asc. node	-11918 Apr 03 j 22:21	6° Z 53'03	
	-11919 Apr 05 j 22:50	0° Z		morning set	-11918 Apr 05 j 02:44	9° Z 15'11	
asc. node	-11919 Apr 17 j 01:22	17° Z 13'57					
morning set	-11919 Apr 21 j 01:08	24° Z 54'29		superior conj	-11918 Apr 13 j 03:27	25° Z 28'13	1°16'12
	-11919 Apr 23 j 15:22	0° \approx		minimum elong	-11918 Apr 13 j 00:30	25° Z 13'34	1°15'11
					-11918 Apr 15 j 10:35	0° \approx	
superior conj	-11919 Apr 29 j 18:25	11° \approx 54'39	1°34'09	max. Earth dist.	-11918 Apr 18 j 11:26	5° \approx 50'37	1.36816 AU
minimum elong	-11919 Apr 29 j 15:28	11° \approx 40'34	1°33'22	evening rise	-11918 Apr 22 j 13:40	13° \approx 26'18	
max. Earth dist.	-11919 May 06 j 08:23	24° \approx 07'42	1.38580 AU		-11918 May 02 j 04:46	0° H	
	-11919 May 09 j 15:55	0° H		desc. node	-11918 May 21 j 21:41	28° H 23'46	
evening rise	-11919 May 10 j 10:16	1° H 19'40			-11918 May 23 j 05:35	0° Y	
	-11919 May 28 j 11:12	0° Y		evening max el	-11918 May 28 j 10:22	5° Y 42'11	25°40'55
desc. node	-11919 Jun 04 j 00:14	9° Y 09'24		retrograde	-11918 Jun 09 j 15:35	12° Y 50'18	
evening max el	-11919 Jun 15 j 00:44	22° Y 20'24	24°25'23	evening set	-11918 Jun 15 j 18:44	10° Y 10'19	
retrograde	-11919 Jun 26 j 05:49	28° Y 58'00		min. Earth dist.	-11918 Jun 20 j 00:54	5° Y 23'22	0.66512 AU
evening set	-11919 Jul 01 j 18:48	26° Y 33'27		inferior conj	-11918 Jun 21 j 04:07	3° Y 55'11	-2°37'56
min. Earth dist.	-11919 Jul 06 j 10:08	21° Y 07'28	0.67050 AU	minimum elong	-11918 Jun 21 j 06:27	3° Y 47'39	2°37'20
inferior conj	-11919 Jul 07 j 00:49	20° Y 17'44	-2°02'25		-11918 Jun 24 j 10:05	30° R 27	
minimum elong	-11919 Jul 07 j 02:57	20° Y 10'31	2°01'33	morning rise	-11918 Jun 26 j 18:11	27° H 58'18	
morning rise	-11919 Jul 12 j 11:04	14° Y 09'48		direct	-11918 Jun 30 j 05:06	26° H 49'02	
asc. node	-11919 Jul 14 j 02:16	13° Y 12'42		asc. node	-11918 Jun 30 j 23:03	26° H 52'10	
direct	-11919 Jul 16 j 07:14	12° Y 45'00			-11918 Jul 06 j 10:54	0° Y	
morning max el	-11919 Jul 24 j 08:46	17° Y 31'03	20°34'37	morning max el	-11918 Jul 07 j 11:29	1° Y 00'13	19°32'08
	-11919 Aug 03 j 03:54	0° B			-11918 Jul 27 j 17:48	0° B	
morning set	-11919 Aug 21 j 10:31	27° B 32'40		morning set	-11918 Jul 31 j 16:22	6° B 10'13	
	-11919 Aug 23 j 00:18	0° II		max. Earth dist.	-11918 Aug 14 j 05:19	27° B 29'55	1.44319 AU
desc. node	-11919 Aug 30 j 21:14	12° II 28'15			-11918 Aug 15 j 19:03	0° II	
max. Earth dist.	-11919 Aug 31 j 14:47	13° II 38'51	1.43379 AU				
				superior conj	-11918 Aug 17 j 02:51	2° II 06'50	0°03'54
superior conj	-11919 Sep 06 j 10:03	23° II 07'30	-0°38'36	minimum elong	-11918 Aug 17 j 03:22	2° II 08'55	0°04'26
minimum elong	-11919 Sep 06 j 06:32	22° II 52'57	0°37'31	behind sun begin	-11918 Aug 16 j 16:36	1° II 25'55	
	-11919 Sep 10 j 12:43	0° E		behind sun end	-11918 Aug 17 j 14:08	2° II 51'56	
evening rise	-11919 Sep 19 j 00:18	14° E 35'58		desc. node	-11918 Aug 17 j 18:27	3° II 09'11	
	-11919 Sep 27 j 23:26	0° Ω		evening rise	-11918 Aug 31 j 18:11	25° II 58'45	
evening max el	-11919 Oct 06 j 06:07	11° Ω 28'13	18°09'18		-11918 Sep 03 j 04:13	0° E	
asc. node	-11919 Oct 10 j 02:11	14° Ω 21'10		evening max el	-11918 Sep 19 j 19:41	24° E 54'09	18°27'27
retrograde	-11919 Oct 12 j 21:42	15° Ω 00'52		retrograde	-11918 Sep 26 j 11:04	28° E 33'58	
evening set	-11919 Oct 15 j 12:41	14° Ω 26'44		asc. node	-11918 Sep 26 j 23:20	28° E 32'33	
inferior conj	-11919 Oct 22 j 02:04	9° Ω 09'02	3°15'40	evening set	-11918 Sep 29 j 06:58	27° E 50'22	
minimum elong	-11919 Oct 21 j 22:14	9° Ω 18'54	3°15'17	inferior conj	-11918 Oct 05 j 10:26	22° E 15'37	2°28'51
min. Earth dist.	-11919 Oct 24 j 15:03	6° Ω 31'45	0.62757 AU	minimum elong	-11918 Oct 05 j 07:10	22° E 24'59	2°28'28
morning rise	-11919 Oct 28 j 06:52	3° Ω 17'12		min. Earth dist.	-11918 Oct 07 j 10:36	19° E 57'53	0.64240 AU
direct	-11919 Nov 04 j 08:08	0° Ω 40'19		morning rise	-11918 Oct 11 j 06:42	16° E 10'44	
morning max el	-11919 Nov 18 j 01:23	8° Ω 10'53	27°34'24	direct	-11918 Oct 18 j 01:49	13° E 26'57	
desc. node	-11919 Nov 26 j 21:40	18° Ω 20'15		morning max el	-11918 Oct 31 j 10:47	20° E 59'00	27°16'02
	-11919 Dec 05 j 01:17	0° M			-11918 Nov 08 j 09:48	0° Ω	
morning set	-11919 Dec 21 j 16:52	29° M 42'57		desc. node	-11918 Nov 13 j 18:20	7° Ω 11'51	
	-11919 Dec 21 j 20:15	0° L			-11918 Nov 28 j 01:50	0° M	
max. Earth dist.	-11919 Dec 27 j 07:37	11° L 24'31	1.33266 AU	morning set	-11918 Dec 05 j 11:09	13° M 45'49	
				max. Earth dist.	-11918 Dec 10 j 09:11	23° M 40'04	1.34066 AU
superior conj	-11919 Dec 29 j 04:02	15° L 23'02	-1°07'09				
minimum elong	-11919 Dec 29 j 06:05	15° L 34'09	1°07'01	superior conj	-11918 Dec 13 j 10:46	0° L 05'12	-1°22'20
	-11918 Jan 04 j 23:12	0° M		minimum elong	-11918 Dec 13 j 12:45	0° L 15'39	1°22'07
evening rise	-11918 Jan 05 j 05:43	0° M 34'17			-11918 Dec 13 j 09:47	0° L	
asc. node	-11918 Jan 05 j 23:54	2° M 09'21		evening rise	-11918 Dec 20 j 16:32	15° L 27'00	
	-11918 Jan 21 j 21:02	0° Z		asc. node	-11918 Dec 23 j 21:14	21° L 59'17	
evening max el	-11918 Jan 29 j 11:51	8° Z 50'13	23°51'31		-11918 Dec 28 j 02:04	0° M	
retrograde	-11918 Feb 12 j 01:24	15° Z 30'41		evening max el	-11917 Jan 11 j 06:31	19° M 44'02	22°17'34
evening set	-11918 Feb 16 j 02:46	14° Z 54'20		retrograde	-11917 Jan 23 j 20:25	25° M 44'48	
desc. node	-11918 Feb 22 j 23:14	11° Z 38'34		evening set	-11917 Jan 27 j 01:14	25° M 22'12	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

min. Earth dist.	-11917 Feb 04 j 15:44	21° \mathbb{M} 30'49	0.55499 AU	inferior conj	-11916 Jan 16 j 01:04	1° \mathbb{M} 56'22	2°48'07
inferior conj	-11917 Feb 05 j 03:29	21° \mathbb{M} 13'58	1°11'51	minimum elong	-11916 Jan 16 j 06:48	1° \mathbb{M} 47'59	2°46'20
minimum elong	-11917 Feb 05 j 06:31	21° \mathbb{M} 09'38	1°10'22	min. Earth dist.	-11916 Jan 17 j 05:37	1° \mathbb{M} 14'45	0.55642 AU
desc. node	-11917 Feb 09 j 20:04	18° \mathbb{M} 43'31			-11916 Jan 19 j 10:50	30° \mathbb{R} \mathbb{A}	
morning rise	-11917 Feb 14 j 12:36	17° \mathbb{M} 09'47		morning rise	-11916 Jan 25 j 07:40	27° \mathbb{A} 37'51	
direct	-11917 Feb 16 j 22:32	16° \mathbb{M} 56'22		desc. node	-11916 Jan 27 j 16:51	27° \mathbb{A} 16'15	
morning max el	-11917 Feb 28 j 17:40	22° \mathbb{M} 34'57	21°10'34	direct	-11916 Jan 28 j 13:41	27° \mathbb{A} 14'33	
	-11917 Mar 07 j 00:19	0° \mathbb{A}			-11916 Feb 06 j 02:17	0° \mathbb{M}	
morning set	-11917 Mar 20 j 10:06	23° \mathbb{A} 57'45		morning max el	-11916 Feb 10 j 16:39	3° \mathbb{M} 40'25	22°41'13
asc. node	-11917 Mar 21 j 19:22	26° \mathbb{A} 49'31			-11916 Feb 28 j 11:10	0° \mathbb{A}	
	-11917 Mar 23 j 07:59	0° \mathbb{B}		morning set	-11916 Mar 03 j 20:56	8° \mathbb{A} 54'27	
				asc. node	-11916 Mar 07 j 16:26	16° \mathbb{A} 57'46	
superior conj	-11917 Mar 27 j 23:04	9° \mathbb{B} 37'22	0°54'47	superior conj	-11916 Mar 11 j 02:03	24° \mathbb{A} 11'41	0°31'39
minimum elong	-11917 Mar 27 j 20:47	9° \mathbb{B} 25'34	0°53'43	minimum elong	-11916 Mar 11 j 00:42	24° \mathbb{A} 04'36	0°30'43
max. Earth dist.	-11917 Mar 31 j 22:20	17° \mathbb{B} 40'24	1.35323 AU		-11916 Mar 13 j 20:29	0° \mathbb{B}	
evening rise	-11917 Apr 05 j 11:56	26° \mathbb{B} 32'46			-11916 Mar 13 j 19:25	29° \mathbb{A} 54'33	1.34180 AU
	-11917 Apr 07 j 08:13	0° \mathbb{A}		max. Earth dist.	-11916 Mar 18 j 23:50	10° \mathbb{B} 23'10	
	-11917 Apr 25 j 13:13	0° \mathbb{H}		evening rise	-11916 Mar 29 j 18:04	0° \mathbb{A}	
desc. node	-11917 May 08 j 19:05	16° \mathbb{H} 54'27			-11916 Apr 20 j 04:02	0° \mathbb{H}	
evening max el	-11917 May 10 j 20:43	19° \mathbb{H} 02'12	26°41'17	evening max el	-11916 Apr 22 j 07:29	2° \mathbb{H} 11'40	27°18'30
retrograde	-11917 May 23 j 20:43	26° \mathbb{H} 29'17		desc. node	-11916 Apr 24 j 16:27	4° \mathbb{H} 22'49	
evening set	-11917 May 30 j 11:27	23° \mathbb{H} 42'11		retrograde	-11916 May 05 j 20:29	9° \mathbb{H} 46'13	
min. Earth dist.	-11917 Jun 03 j 09:54	19° \mathbb{H} 34'15	0.65586 AU	evening set	-11916 May 12 j 18:04	7° \mathbb{H} 03'44	
inferior conj	-11917 Jun 05 j 02:56	17° \mathbb{H} 29'42	-3°05'33	min. Earth dist.	-11916 May 16 j 11:16	3° \mathbb{H} 30'59	0.64265 AU
minimum elong	-11917 Jun 05 j 04:59	17° \mathbb{H} 23'28	3°05'23	inferior conj	-11916 May 18 j 18:52	0° \mathbb{H} 56'36	-3°22'59
morning rise	-11917 Jun 10 j 22:47	11° \mathbb{H} 46'32		minimum elong	-11916 May 18 j 20:03	0° \mathbb{H} 53'16	3°23'15
direct	-11917 Jun 14 j 02:15	10° \mathbb{H} 50'44			-11916 May 19 j 15:22	30° \mathbb{R} \mathbb{A}	
asc. node	-11917 Jun 17 j 19:50	12° \mathbb{H} 04'45		morning rise	-11916 May 24 j 22:41	25° \mathbb{A} 29'26	
morning max el	-11917 Jun 20 j 19:56	14° \mathbb{H} 35'50	18°44'54	direct	-11916 May 27 j 20:15	24° \mathbb{A} 45'07	
	-11917 Jul 01 j 23:15	0° \mathbb{Y}		morning max el	-11916 Jun 03 j 08:13	28° \mathbb{A} 13'40	18°14'38
morning set	-11917 Jul 11 j 16:28	15° \mathbb{Y} 38'49		asc. node	-11916 Jun 03 j 16:35	28° \mathbb{A} 35'04	
	-11917 Jul 20 j 14:53	0° \mathbb{B}			-11916 Jun 04 j 23:09	0° \mathbb{H}	
superior conj	-11917 Jul 27 j 03:36	10° \mathbb{B} 22'13	0°48'50	morning set	-11916 Jun 21 j 17:42	26° \mathbb{H} 16'52	
minimum elong	-11917 Jul 27 j 09:06	10° \mathbb{B} 43'58	0°48'39		-11916 Jun 23 j 22:39	0° \mathbb{Y}	
max. Earth dist.	-11917 Jul 27 j 21:49	11° \mathbb{B} 34'18	1.44580 AU	superior conj	-11916 Jul 05 j 09:58	18° \mathbb{Y} 55'26	1°24'40
desc. node	-11917 Aug 04 j 15:45	23° \mathbb{B} 49'41		minimum elong	-11916 Jul 05 j 16:15	19° \mathbb{Y} 20'45	1°24'20
	-11917 Aug 08 j 13:09	0° \mathbb{II}		max. Earth dist.	-11916 Jul 09 j 13:19	25° \mathbb{Y} 34'03	1.44138 AU
evening rise	-11917 Aug 12 j 09:50	6° \mathbb{II} 08'39			-11916 Jul 12 j 08:16	0° \mathbb{B}	
	-11917 Aug 27 j 16:44	0° \mathbb{B}		evening rise	-11916 Jul 21 j 23:13	15° \mathbb{B} 05'25	
evening max el	-11917 Sep 03 j 07:08	8° \mathbb{B} 23'46	19°02'51	desc. node	-11916 Jul 21 j 13:09	14° \mathbb{B} 26'13	
retrograde	-11917 Sep 10 j 05:20	12° \mathbb{B} 19'16			-11916 Jul 31 j 15:11	0° \mathbb{II}	
evening set	-11917 Sep 13 j 08:29	11° \mathbb{B} 23'02		greatest brilliancy	-11916 Aug 03 j 10:41	4° \mathbb{II} 15'28	-0.7m
asc. node	-11917 Sep 13 j 20:24	11° \mathbb{B} 03'59		evening max el	-11916 Aug 16 j 14:01	21° \mathbb{II} 53'09	19°54'20
inferior conj	-11917 Sep 19 j 03:43	5° \mathbb{B} 34'32	1°37'45	retrograde	-11916 Aug 24 j 01:45	26° \mathbb{II} 13'02	
minimum elong	-11917 Sep 19 j 01:29	5° \mathbb{B} 41'28	1°37'37	evening set	-11916 Aug 27 j 14:30	25° \mathbb{II} 00'45	
min. Earth dist.	-11917 Sep 20 j 15:24	3° \mathbb{B} 43'53	0.65432 AU	asc. node	-11916 Aug 30 j 17:24	22° \mathbb{II} 03'56	
	-11917 Sep 24 j 00:19	30° \mathbb{R} \mathbb{II}		inferior conj	-11916 Sep 02 j 03:17	19° \mathbb{II} 01'36	0°45'28
morning rise	-11917 Sep 24 j 18:00	29° \mathbb{II} 20'18		minimum elong	-11916 Sep 02 j 02:14	19° \mathbb{II} 05'01	0°45'43
direct	-11917 Oct 01 j 02:02	26° \mathbb{II} 40'38		min. Earth dist.	-11916 Sep 03 j 03:22	17° \mathbb{II} 42'27	0.66322 AU
	-11917 Oct 09 j 04:45	0° \mathbb{B}		morning rise	-11916 Sep 07 j 13:41	12° \mathbb{II} 42'03	
morning max el	-11917 Oct 13 j 21:09	4° \mathbb{B} 05'23	26°28'51	direct	-11916 Sep 13 j 08:07	10° \mathbb{II} 14'31	
desc. node	-11917 Oct 31 j 15:03	26° \mathbb{B} 41'05		morning max el	-11916 Sep 25 j 06:59	17° \mathbb{II} 19'07	25°20'40
	-11917 Nov 02 j 19:35	0° \mathbb{Q}			-11916 Oct 05 j 23:08	0° \mathbb{B}	
morning set	-11917 Nov 18 j 17:33	27° \mathbb{Q} 08'24		desc. node	-11916 Oct 17 j 11:50	16° \mathbb{B} 37'12	
	-11917 Nov 20 j 05:43	0° \mathbb{P}			-11916 Oct 25 j 18:40	0° \mathbb{Q}	
max. Earth dist.	-11917 Nov 23 j 00:13	5° \mathbb{P} 23'13	1.35290 AU	morning set	-11916 Oct 31 j 07:25	9° \mathbb{Q} 37'37	
				max. Earth dist.	-11916 Nov 04 j 04:48	16° \mathbb{Q} 45'16	1.36924 AU
superior conj	-11917 Nov 27 j 11:48	14° \mathbb{P} 25'45	-1°33'09	superior conj	-11916 Nov 10 j 04:17	28° \mathbb{Q} 16'21	-1°38'11
minimum elong	-11917 Nov 27 j 13:11	14° \mathbb{P} 32'51	1°32'52	minimum elong	-11916 Nov 10 j 04:29	28° \mathbb{Q} 17'23	1°37'47
	-11917 Dec 04 j 23:41	0° \mathbb{A}			-11916 Nov 11 j 01:10	0° \mathbb{P}	
evening rise	-11917 Dec 05 j 01:17	0° \mathbb{A} 08'12		evening rise	-11916 Nov 18 j 06:07	14° \mathbb{P} 32'45	
asc. node	-11917 Dec 10 j 18:34	11° \mathbb{A} 28'13			-11916 Nov 26 j 09:10	0° \mathbb{A}	
	-11917 Dec 23 j 07:39	0° \mathbb{M}		asc. node	-11916 Nov 26 j 15:55	0° \mathbb{A} 28'50	
evening max el	-11917 Dec 24 j 08:01	0° \mathbb{M} 59'31	20°51'20	evening max el	-11916 Dec 05 j 19:28	12° \mathbb{A} 48'28	19°40'42
retrograde	-11916 Jan 04 j 11:03	6° \mathbb{M} 12'56					
evening set	-11916 Jan 07 j 04:41	5° \mathbb{M} 55'15					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

retrograde	-11916 Dec 15 j 08:48	17° Ω 18'42		evening rise	-11915 Nov 02 j 04:45	28° Ω 34'02	
evening set	-11916 Dec 17 j 22:15	17° Ω 00'48			-11915 Nov 02 j 22:22	0° Π	
inferior conj	-11916 Dec 26 j 07:23	12° Ω 54'41	3°52'09	asc. node	-11915 Nov 13 j 13:16	18° Π 51'01	
minimum elong	-11916 Dec 26 j 11:40	12° Ω 47'50	3°51'25	evening max el	-11915 Nov 18 j 16:52	25° Π 09'56	18°49'16
min. Earth dist.	-11916 Dec 28 j 19:03	11° Ω 19'29	0.56598 AU	retrograde	-11915 Nov 26 j 22:45	29° Π 09'01	
morning rise	-11915 Jan 03 j 22:59	8° Ω 13'16		evening set	-11915 Nov 29 j 10:33	28° Π 48'38	
direct	-11915 Jan 08 j 12:34	7° Ω 26'18		inferior conj	-11915 Dec 07 j 06:50	24° Π 24'28	4°16'36
desc. node	-11915 Jan 13 j 13:34	8° Ω 24'39		minimum elong	-11915 Dec 07 j 07:24	24° Π 23'26	4°16'41
morning max el	-11915 Jan 22 j 08:21	14° Ω 23'13	24°18'07	min. Earth dist.	-11915 Dec 10 j 09:46	22° Π 07'41	0.58142 AU
	-11915 Feb 03 j 12:55	0° Π		morning rise	-11915 Dec 15 j 02:22	19° Π 19'42	
morning set	-11915 Feb 16 j 09:23	23° Π 59'04		direct	-11915 Dec 20 j 22:34	17° Π 57'29	
	-11915 Feb 19 j 05:17	0° Σ		desc. node	-11915 Dec 31 j 10:13	22° Π 07'08	
asc. node	-11915 Feb 22 j 13:37	7° Σ 13'38		morning max el	-11914 Jan 03 j 23:31	25° Π 10'04	25°47'32
					-11914 Jan 08 j 11:47	0° Ω	
superior conj	-11915 Feb 23 j 09:57	9° Σ 03'28	0°08'04		-11914 Jan 27 j 10:32	0° Π	
minimum elong	-11915 Feb 23 j 09:38	9° Σ 01'45	0°07'23	morning set	-11914 Jan 31 j 21:34	9° Π 03'38	
behind sun begin	-11915 Feb 23 j 05:05	8° Σ 37'09					
behind sun end	-11915 Feb 23 j 14:12	9° Σ 26'21		superior conj	-11914 Feb 07 j 20:43	24° Π 04'22	-0°15'05
max. Earth dist.	-11915 Feb 25 j 01:30	12° Σ 35'53	1.33388 AU	minimum elong	-11914 Feb 07 j 21:21	24° Π 07'50	0°15'29
evening rise	-11915 Mar 02 j 21:27	24° Σ 45'07		behind sun begin	-11914 Feb 07 j 20:28	24° Π 03'02	
	-11915 Mar 05 j 13:02	0° Σ		behind sun end	-11914 Feb 07 j 22:14	24° Π 12'38	
	-11915 Mar 23 j 08:14	0° \approx		max. Earth dist.	-11914 Feb 08 j 13:10	25° Π 33'57	1.32923 AU
evening max el	-11915 Apr 04 j 16:52	14° \approx 59'43	27°26'12	asc. node	-11914 Feb 09 j 10:51	27° Π 31'49	
desc. node	-11915 Apr 11 j 13:42	20° \approx 24'04			-11914 Feb 10 j 14:16	0° Σ	
retrograde	-11915 Apr 18 j 13:54	22° \approx 33'20		evening rise	-11914 Feb 15 j 01:36	9° Σ 26'49	
evening set	-11915 Apr 25 j 11:25	20° \approx 08'36			-11914 Feb 25 j 22:22	0° Σ	
min. Earth dist.	-11915 Apr 29 j 03:49	17° \approx 02'38	0.62592 AU	evening max el	-11914 Mar 17 j 22:14	27° Σ 14'17	27°01'13
inferior conj	-11915 May 02 j 01:02	14° \approx 10'45	-3°26'48		-11914 Mar 21 j 01:21	0° \approx	
minimum elong	-11915 May 02 j 00:46	14° \approx 11'24	3°27'19	desc. node	-11914 Mar 29 j 10:52	4° \approx 25'32	
morning rise	-11915 May 08 j 15:24	9° \approx 01'39		retrograde	-11914 Mar 31 j 23:45	4° \approx 42'23	
direct	-11915 May 11 j 08:15	8° \approx 27'09		evening set	-11914 Apr 07 j 12:08	2° \approx 46'41	
morning max el	-11915 May 17 j 22:06	11° \approx 49'26	18°02'22		-11914 Apr 11 j 08:51	30° Σ	
asc. node	-11915 May 21 j 13:24	16° \approx 07'50		min. Earth dist.	-11914 Apr 11 j 11:16	29° Σ 55'00	0.60664 AU
	-11915 May 30 j 05:05	0° Σ		inferior conj	-11914 Apr 14 j 17:57	27° Σ 03'50	-3°12'12
morning set	-11915 Jun 03 j 18:39	8° Σ 02'32		minimum elong	-11914 Apr 14 j 15:52	27° Σ 08'25	3°12'35
				morning rise	-11914 Apr 21 j 21:46	22° Σ 14'33	
superior conj	-11915 Jun 15 j 15:11	28° Σ 35'44	1°44'35	direct	-11914 Apr 24 j 10:21	21° Σ 48'34	
minimum elong	-11915 Jun 15 j 18:14	28° Σ 48'33	1°44'25	morning max el	-11914 May 01 j 11:00	25° Σ 16'27	18°08'51
	-11915 Jun 16 j 11:15	0° Υ			-11914 May 05 j 10:39	0° \approx	
max. Earth dist.	-11915 Jun 22 j 01:23	9° Υ 13'25	1.43062 AU	asc. node	-11914 May 08 j 10:16	4° \approx 28'59	
evening rise	-11915 Jun 30 j 23:27	23° Υ 25'40		morning set	-11914 May 17 j 14:46	20° \approx 45'24	
	-11915 Jul 05 j 05:17	0° Σ			-11914 May 22 j 15:11	0° Σ	
desc. node	-11915 Jul 08 j 10:37	4° Σ 55'14					
	-11915 Jul 25 j 23:37	0° Π		superior conj	-11914 May 27 j 23:25	9° Σ 36'47	1°49'06
evening max el	-11915 Jul 30 j 14:28	5° Π 19'24	20°59'54	minimum elong	-11914 May 27 j 22:58	9° Σ 34'46	1°48'50
retrograde	-11915 Aug 07 j 22:14	10° Π 12'37		max. Earth dist.	-11914 Jun 04 j 08:15	22° Σ 18'14	1.41492 AU
evening set	-11915 Aug 11 j 22:45	8° Π 41'07			-11914 Jun 09 j 00:09	0° Υ	
inferior conj	-11915 Aug 17 j 06:58	2° Π 34'04	-0°05'49	evening rise	-11914 Jun 10 j 09:14	2° Υ 13'46	
minimum elong	-11915 Aug 17 j 07:05	2° Π 33'41	0°05'11	desc. node	-11914 Jun 25 j 08:05	25° Υ 12'15	
transit middle	-11915 Aug 17 j 07:05	2° Π 33'41	0°05'11		-11914 Jun 28 j 15:42	0° Σ	
transit begin	-11915 Aug 17 j 04:30	2° Π 42'29		evening max el	-11914 Jul 13 j 07:58	18° Σ 41'24	22°16'18
transit end	-11915 Aug 17 j 09:40	2° Π 24'53		retrograde	-11914 Jul 22 j 17:13	24° Σ 15'11	
asc. node	-11915 Aug 17 j 14:21	2° Π 08'52		evening set	-11914 Jul 27 j 07:12	22° Σ 22'34	
min. Earth dist.	-11915 Aug 17 j 20:11	1° Π 49'00	0.66913 AU	inferior conj	-11914 Aug 01 j 12:51	16° Σ 10'08	-0°54'29
	-11915 Aug 19 j 04:52	30° Σ		minimum elong	-11914 Aug 01 j 13:57	16° Σ 06'19	0°53'36
morning rise	-11915 Aug 22 j 15:14	26° Σ 13'11		min. Earth dist.	-11914 Aug 01 j 15:30	16° Σ 00'57	0.67207 AU
direct	-11915 Aug 27 j 19:22	24° Σ 02'25		asc. node	-11914 Aug 04 j 11:15	12° Σ 17'51	
	-11915 Sep 07 j 03:03	0° Π		morning rise	-11914 Aug 06 j 20:37	9° Σ 51'34	
morning max el	-11915 Sep 07 j 16:47	0° Π 34'19	24°00'14	direct	-11914 Aug 11 j 11:02	7° Σ 59'18	
	-11915 Sep 29 j 22:09	0° Σ		morning max el	-11914 Aug 21 j 04:50	13° Σ 50'51	22°36'19
desc. node	-11915 Oct 04 j 08:43	6° Σ 52'05			-11914 Sep 03 j 01:30	0° Π	
morning set	-11915 Oct 12 j 23:23	20° Σ 58'56		desc. node	-11914 Sep 21 j 05:42	27° Π 19'59	
max. Earth dist.	-11915 Oct 17 j 03:56	28° Σ 15'41	1.38850 AU		-11914 Sep 22 j 21:33	0° Σ	
	-11915 Oct 18 j 03:22	0° Ω		morning set	-11914 Sep 23 j 13:22	1° Σ 04'05	
				max. Earth dist.	-11914 Sep 29 j 04:27	10° Σ 23'34	1.40823 AU
superior conj	-11915 Oct 24 j 08:22	11° Ω 25'24	-1°35'32				
minimum elong	-11915 Oct 24 j 06:52	11° Ω 18'16	1°34'56	superior conj	-11914 Oct 06 j 19:05	23° Σ 39'26	-1°23'00


































































































































Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-11914 Oct 06 j 15:43	23° \mathfrak{C} 24'18	1°22'05	superior conj	-11913 Sep 18 j 06:32	4° \mathfrak{C} 42'25	-0°58'27
	-11914 Oct 10 j 06:51	0° \mathfrak{Q}		minimum elong	-11913 Sep 18 j 02:18	4° \mathfrak{C} 24'27	0°57'19
evening rise	-11914 Oct 16 j 18:19	12° \mathfrak{Q} 05'11		evening rise	-11913 Sep 29 j 18:53	24° \mathfrak{C} 55'56	
	-11914 Oct 26 j 19:31	0° \mathfrak{M}			-11913 Oct 02 j 14:43	0° \mathfrak{Q}	
asc. node	-11914 Oct 31 j 10:33	6° \mathfrak{M} 22'54		evening max el	-11913 Oct 16 j 09:33	21° \mathfrak{Q} 08'06	18°07'04
evening max el	-11914 Nov 01 j 22:29	7° \mathfrak{M} 59'06	18°18'10	asc. node	-11913 Oct 18 j 07:46	22° \mathfrak{Q} 49'34	
retrograde	-11914 Nov 09 j 06:31	11° \mathfrak{M} 39'39		retrograde	-11913 Oct 23 j 04:54	24° \mathfrak{Q} 41'00	
evening set	-11914 Nov 11 j 17:59	11° \mathfrak{M} 15'29		evening set	-11913 Oct 25 j 17:54	24° \mathfrak{Q} 11'17	
inferior conj	-11914 Nov 19 j 01:37	6° \mathfrak{M} 29'51	4°08'33	inferior conj	-11913 Nov 01 j 13:38	19° \mathfrak{Q} 04'51	3°38'55
minimum elong	-11914 Nov 18 j 23:12	6° \mathfrak{M} 34'59	4°08'37	minimum elong	-11913 Nov 01 j 09:55	19° \mathfrak{Q} 13'51	3°38'39
min. Earth dist.	-11914 Nov 22 j 05:28	3° \mathfrak{M} 49'47	0.59962 AU	min. Earth dist.	-11913 Nov 04 j 09:28	16° \mathfrak{Q} 21'24	0.61785 AU
morning rise	-11914 Nov 26 j 02:51	1° \mathfrak{M} 04'11		morning rise	-11913 Nov 08 j 00:44	13° \mathfrak{Q} 21'32	
	-11914 Nov 28 j 06:49	30° \mathfrak{R} \mathfrak{Q}		direct	-11913 Nov 15 j 01:51	10° \mathfrak{Q} 54'22	
direct	-11914 Dec 02 j 19:30	29° \mathfrak{Q} 05'14		morning max el	-11913 Nov 28 j 22:38	18° \mathfrak{Q} 23'16	27°29'53
	-11914 Dec 07 j 11:25	0° \mathfrak{M}		desc. node	-11913 Dec 05 j 03:31	25° \mathfrak{Q} 12'18	
morning max el	-11914 Dec 16 j 19:52	6° \mathfrak{M} 27'03	26°54'41		-11913 Dec 08 j 20:47	0° \mathfrak{M}	
desc. node	-11914 Dec 18 j 06:52	7° \mathfrak{M} 54'03			-11913 Dec 27 j 03:46	0° \mathfrak{Q}	
	-11913 Jan 03 j 12:38	0° \mathfrak{Q}		morning set	-11913 Dec 31 j 13:39	8° \mathfrak{Q} 45'09	
morning set	-11913 Jan 16 j 07:40	24° \mathfrak{Q} 01'27		max. Earth dist.	-11912 Jan 06 j 14:19	21° \mathfrak{Q} 29'02	1.32976 AU
	-11913 Jan 19 j 03:32	0° \mathfrak{M}					
superior conj	-11913 Jan 23 j 08:34	9° \mathfrak{M} 08'15	-0°36'58	superior conj	-11912 Jan 07 j 19:52	24° \mathfrak{Q} 09'11	-0°56'53
minimum elong	-11913 Jan 23 j 09:59	9° \mathfrak{M} 15'57	0°37'07	minimum elong	-11912 Jan 07 j 21:47	24° \mathfrak{Q} 19'37	0°56'51
max. Earth dist.	-11913 Jan 23 j 02:42	8° \mathfrak{M} 36'09	1.32781 AU		-11912 Jan 10 j 12:23	0° \mathfrak{M}	
asc. node	-11913 Jan 27 j 08:07	17° \mathfrak{M} 48'04		asc. node	-11912 Jan 14 j 05:24	7° \mathfrak{M} 58'11	
evening rise	-11913 Jan 30 j 09:57	24° \mathfrak{M} 20'06		evening rise	-11912 Jan 14 j 20:36	9° \mathfrak{M} 18'16	
	-11913 Feb 02 j 04:22	0° \mathfrak{X}			-11912 Jan 25 j 16:47	0° \mathfrak{X}	
	-11913 Feb 20 j 03:58	0° \mathfrak{Z}		evening max el	-11912 Feb 09 j 16:39	19° \mathfrak{X} 55'22	24°44'23
evening max el	-11913 Feb 27 j 21:54	8° \mathfrak{Z} 50'21	26°04'54	retrograde	-11912 Feb 23 j 14:28	26° \mathfrak{X} 53'57	
retrograde	-11913 Mar 14 j 00:37	16° \mathfrak{Z} 08'25		evening set	-11912 Feb 28 j 06:17	26° \mathfrak{X} 04'27	
desc. node	-11913 Mar 16 j 07:57	15° \mathfrak{Z} 55'10		desc. node	-11912 Mar 02 j 04:56	24° \mathfrak{X} 46'41	
evening set	-11913 Mar 19 j 18:04	14° \mathfrak{Z} 47'25		min. Earth dist.	-11912 Mar 05 j 06:13	22° \mathfrak{X} 58'44	0.56955 AU
min. Earth dist.	-11913 Mar 24 j 11:09	11° \mathfrak{Z} 55'16	0.58684 AU	inferior conj	-11912 Mar 07 j 22:28	21° \mathfrak{X} 13'20	-1°24'17
inferior conj	-11913 Mar 27 j 17:57	9° \mathfrak{Z} 26'51	-2°33'01	minimum elong	-11912 Mar 07 j 19:32	21° \mathfrak{X} 18'10	1°24'07
minimum elong	-11913 Mar 27 j 14:28	9° \mathfrak{Z} 33'27	2°32'57	morning rise	-11912 Mar 16 j 12:01	17° \mathfrak{X} 01'05	
morning rise	-11913 Apr 04 j 13:59	4° \mathfrak{Z} 57'40		direct	-11912 Mar 18 j 16:23	16° \mathfrak{X} 47'29	
direct	-11913 Apr 06 j 22:10	4° \mathfrak{Z} 38'55		morning max el	-11912 Mar 27 j 22:09	21° \mathfrak{X} 09'43	19°19'58
morning max el	-11913 Apr 14 j 20:01	8° \mathfrak{Z} 26'20	18°34'35		-11912 Apr 03 j 21:31	0° \mathfrak{Z}	
asc. node	-11913 Apr 25 j 07:10	23° \mathfrak{Z} 27'04		asc. node	-11912 Apr 11 j 04:05	12° \mathfrak{Z} 53'24	
	-11913 Apr 28 j 20:09	0° \mathfrak{A}		morning set	-11912 Apr 13 j 22:23	18° \mathfrak{Z} 18'10	
morning set	-11913 May 01 j 01:19	4° \mathfrak{A} 13'48			-11912 Apr 19 j 19:27	0° \mathfrak{A}	
superior conj	-11913 May 10 j 06:51	21° \mathfrak{A} 48'45	1°42'00	superior conj	-11912 Apr 22 j 07:59	4° \mathfrak{A} 56'49	1°27'07
minimum elong	-11913 May 10 j 04:23	21° \mathfrak{A} 37'17	1°41'24	minimum elong	-11912 Apr 22 j 04:55	4° \mathfrak{A} 41'57	1°26'12
	-11913 May 14 j 18:31	0° \mathfrak{H}		max. Earth dist.	-11912 Apr 28 j 09:51	16° \mathfrak{A} 27'37	1.37796 AU
max. Earth dist.	-11913 May 17 j 09:39	4° \mathfrak{H} 39'21	1.39651 AU	evening rise	-11912 May 02 j 10:03	23° \mathfrak{A} 41'14	
evening rise	-11913 May 21 j 20:05	12° \mathfrak{H} 15'57			-11912 May 06 j 01:27	0° \mathfrak{H}	
	-11913 Jun 01 j 20:54	0° \mathfrak{Y}			-11912 May 25 j 13:30	0° \mathfrak{Y}	
desc. node	-11913 Jun 12 j 05:35	15° \mathfrak{Y} 11'25		desc. node	-11912 May 29 j 03:03	4° \mathfrak{Y} 45'24	
	-11913 Jun 23 j 22:04	0° \mathfrak{B}		evening max el	-11912 Jun 07 j 05:39	15° \mathfrak{Y} 21'42	24°58'47
evening max el	-11913 Jun 25 j 19:56	2° \mathfrak{B} 00'38	23°38'21	retrograde	-11912 Jun 18 j 21:53	22° \mathfrak{Y} 14'23	
retrograde	-11913 Jul 06 j 09:25	8° \mathfrak{B} 16'59		evening set	-11912 Jun 24 j 16:57	19° \mathfrak{Y} 42'35	
evening set	-11913 Jul 11 j 13:55	6° \mathfrak{B} 03'17		min. Earth dist.	-11912 Jun 29 j 04:13	14° \mathfrak{Y} 32'47	0.66865 AU
inferior conj	-11913 Jul 16 j 19:08	29° \mathfrak{Y} 47'54	-1°39'07	inferior conj	-11912 Jun 30 j 00:04	13° \mathfrak{Y} 26'36	-2°18'21
minimum elong	-11913 Jul 16 j 20:58	29° \mathfrak{Y} 41'34	1°38'10	minimum elong	-11912 Jun 30 j 02:20	13° \mathfrak{Y} 19'02	2°17'34
min. Earth dist.	-11913 Jul 16 j 10:57	0° \mathfrak{B} 16'00	0.67199 AU	morning rise	-11912 Jul 05 j 11:43	7° \mathfrak{Y} 22'47	
	-11913 Jul 16 j 15:37	30° \mathfrak{R} \mathfrak{Y}		asc. node	-11912 Jul 08 j 04:55	6° \mathfrak{Y} 10'01	
morning rise	-11913 Jul 22 j 04:00	23° \mathfrak{Y} 35'06		direct	-11912 Jul 09 j 03:38	6° \mathfrak{Y} 04'56	
asc. node	-11913 Jul 22 j 08:06	23° \mathfrak{Y} 27'17		morning max el	-11912 Jul 16 j 20:27	10° \mathfrak{Y} 35'38	20°06'13
direct	-11913 Jul 26 j 06:12	22° \mathfrak{Y} 00'49			-11912 Jul 31 j 05:03	0° \mathfrak{B}	
morning max el	-11913 Aug 03 j 21:32	27° \mathfrak{Y} 10'17	21°16'20	morning set	-11912 Aug 12 j 06:01	18° \mathfrak{B} 29'24	
	-11913 Aug 06 j 10:50	0° \mathfrak{B}			-11912 Aug 19 j 14:17	0° \mathfrak{H}	
	-11913 Aug 27 j 15:49	0° \mathfrak{H}		max. Earth dist.	-11912 Aug 23 j 21:10	6° \mathfrak{H} 48'43	1.43861 AU
morning set	-11913 Sep 03 j 03:09	10° \mathfrak{H} 01'06		desc. node	-11912 Aug 24 j 23:54	8° \mathfrak{H} 35'45	
desc. node	-11913 Sep 08 j 02:45	17° \mathfrak{H} 55'40					
max. Earth dist.	-11913 Sep 11 j 09:55	23° \mathfrak{H} 16'18	1.42571 AU	superior conj	-11912 Aug 28 j 14:31	14° \mathfrak{H} 25'35	-0°21'33
	-11913 Sep 15 j 11:35	0° \mathfrak{C}		minimum elong	-11912 Aug 28 j 12:19	14° \mathfrak{H} 16'37	0°20'37
					-11912 Sep 06 j 24:00	0° \mathfrak{C}	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

evening rise	-11912 Sep 11 j 01:35	6°☿54'44		max. Earth dist.	-11911 Aug 06 j 12:54	20°♄47'51	1.44522 AU
	-11912 Sep 25 j 05:50	0°♌					
evening max el	-11912 Sep 28 j 23:07	4°♌30'06	18°14'52	superior conj	-11911 Aug 07 j 22:26	23°♄00'42	0°23'20
asc. node	-11912 Oct 04 j 04:57	7°♌54'51		minimum elong	-11911 Aug 08 j 01:17	23°♄12'01	0°23'32
retrograde	-11912 Oct 05 j 13:46	8°♌04'37		desc. node	-11911 Aug 11 j 21:10	29°♄17'12	
evening set	-11912 Oct 08 j 06:32	7°♌26'54			-11911 Aug 12 j 07:54	0°♐	
inferior conj	-11912 Oct 14 j 15:32	2°♌01'53	2°56'32	evening rise	-11911 Aug 23 j 08:49	17°♐48'05	
minimum elong	-11912 Oct 14 j 11:52	2°♌11'49	2°56'07		-11911 Aug 30 j 20:42	0°☿	
	-11912 Oct 16 j 12:30	30°♋☿		evening max el	-11911 Sep 12 j 12:14	17°☿59'13	18°40'29
min. Earth dist.	-11912 Oct 16 j 23:17	29°☿31'21	0.63428 AU	retrograde	-11911 Sep 19 j 05:31	21°☿44'12	
morning rise	-11912 Oct 20 j 16:21	26°☿04'04		asc. node	-11911 Sep 21 j 02:04	21°☿24'51	
direct	-11912 Oct 27 j 15:56	23°☿22'17		evening set	-11911 Sep 22 j 04:18	20°☿55'32	
	-11912 Nov 09 j 07:07	0°♌		inferior conj	-11911 Sep 28 j 04:04	15°☿14'40	2°07'29
morning max el	-11912 Nov 10 j 06:07	0°♌54'42	27°30'21	minimum elong	-11911 Sep 28 j 01:12	15°☿23'11	2°07'10
desc. node	-11912 Nov 21 j 00:08	13°♌35'38		min. Earth dist.	-11911 Sep 29 j 22:51	13°☿07'51	0.64792 AU
	-11912 Dec 01 j 21:13	0°♐		morning rise	-11911 Oct 03 j 21:33	9°☿05'38	
morning set	-11912 Dec 14 j 13:02	23°♐05'43		direct	-11911 Oct 10 j 12:34	6°☿22'21	
	-11912 Dec 17 j 22:28	0°♑		morning max el	-11911 Oct 23 j 16:01	13°☿51'53	26°59'00
max. Earth dist.	-11912 Dec 19 j 20:24	4°♑00'19	1.33550 AU	desc. node	-11911 Nov 05 j 22:30	0°♌	
					-11911 Nov 07 j 20:47	2°♌45'16	
superior conj	-11912 Dec 22 j 04:50	9°♑00'24	-1°14'04		-11911 Nov 24 j 10:55	0°♐	
minimum elong	-11912 Dec 22 j 06:55	9°♑11'32	1°13'54	morning set	-11911 Nov 28 j 02:46	6°♐53'16	
evening rise	-11912 Dec 29 j 07:50	24°♑14'46		max. Earth dist.	-11911 Dec 02 j 17:43	16°♐02'15	1.34538 AU
asc. node	-11912 Dec 31 j 02:43	27°♑57'08					
	-11911 Jan 01 j 02:54	0°♐		superior conj	-11911 Dec 06 j 09:30	23°♐35'04	-1°27'33
	-11911 Jan 20 j 14:30	0°♑		minimum elong	-11911 Dec 06 j 11:17	23°♐44'26	1°27'18
evening max el	-11911 Jan 21 j 10:03	0°♑47'11	23°11'26		-11911 Dec 09 j 10:37	0°♑	
retrograde	-11911 Feb 03 j 15:26	7°♑12'00		evening rise	-11911 Dec 13 j 18:02	9°♑03'58	
evening set	-11911 Feb 07 j 06:45	6°♑43'06		asc. node	-11911 Dec 18 j 00:04	17°♑39'22	
min. Earth dist.	-11911 Feb 14 j 22:23	3°♑12'33	0.55804 AU		-11911 Dec 24 j 23:00	0°♐	
inferior conj	-11911 Feb 16 j 08:20	2°♑22'26	0°11'12	evening max el	-11910 Jan 03 j 07:13	11°♐48'46	21°39'23
minimum elong	-11911 Feb 16 j 08:47	2°♑21'47	0°10'27	retrograde	-11910 Jan 15 j 06:51	17°♐28'56	
transit middle	-11911 Feb 16 j 08:47	2°♑21'47	0°10'27	evening set	-11910 Jan 18 j 06:02	17°♐09'10	
transit begin	-11911 Feb 16 j 05:45	2°♑26'16		inferior conj	-11910 Jan 27 j 06:48	13°♐07'23	1°55'19
transit end	-11911 Feb 16 j 11:49	2°♑17'18		minimum elong	-11910 Jan 27 j 11:25	13°♐00'48	1°53'30
desc. node	-11911 Feb 17 j 01:50	1°♑56'39		min. Earth dist.	-11910 Jan 27 j 12:38	12°♐59'04	0.55458 AU
	-11911 Feb 20 j 15:18	30°♋♐		desc. node	-11910 Feb 03 j 22:38	9°♐25'57	
morning rise	-11911 Feb 25 j 12:39	28°♐18'49		morning rise	-11910 Feb 05 j 16:37	8°♐58'56	
direct	-11911 Feb 27 j 17:47	28°♐06'46		direct	-11910 Feb 08 j 09:33	8°♐42'32	
	-11911 Mar 06 j 07:41	0°♑		morning max el	-11910 Feb 20 j 19:21	14°♐42'12	21°47'38
morning max el	-11911 Mar 10 j 14:26	3°♑16'20	20°24'55		-11910 Mar 04 j 06:09	0°♑	
	-11911 Mar 27 j 17:17	0°♒		morning set	-11910 Mar 13 j 11:50	17°♑38'09	
morning set	-11911 Mar 29 j 02:44	2°♒48'47		asc. node	-11910 Mar 15 j 22:06	22°♑42'10	
asc. node	-11911 Mar 29 j 01:03	2°♒40'16			-11910 Mar 19 j 09:18	0°♒	
superior conj	-11911 Apr 05 j 21:56	18°♒46'24	1°07'25	superior conj	-11910 Mar 20 j 21:01	3°♒06'52	0°45'05
minimum elong	-11911 Apr 05 j 19:12	18°♒32'38	1°06'22	minimum elong	-11910 Mar 20 j 19:06	2°♒56'55	0°44'04
max. Earth dist.	-11911 Apr 10 j 15:39	28°♒09'57	1.36140 AU	max. Earth dist.	-11910 Mar 24 j 07:11	10°♒10'03	1.34798 AU
	-11911 Apr 11 j 14:29	0°♐		evening rise	-11910 Mar 29 j 02:49	19°♒41'59	
evening rise	-11911 Apr 14 j 22:11	6°♐15'24			-11910 Apr 03 j 15:59	0°♐	
	-11911 Apr 28 j 20:40	0°♐			-11910 Apr 22 j 20:25	0°♐	
desc. node	-11911 May 16 j 00:30	23°♐43'04		desc. node	-11910 May 02 j 21:55	11°♐49'35	
evening max el	-11911 May 20 j 15:42	28°♐44'03	26°09'02	evening max el	-11910 May 03 j 02:32	12°♐00'59	27°00'25
	-11911 May 21 j 23:22	0°♑		retrograde	-11910 May 16 j 08:26	19°♐31'31	
retrograde	-11911 Jun 02 j 05:45	6°♑01'28		evening set	-11910 May 23 j 02:53	16°♐45'00	
evening set	-11911 Jun 08 j 14:07	3°♑17'34		min. Earth dist.	-11910 May 26 j 22:49	12°♐52'45	0.65074 AU
	-11911 Jun 11 j 17:10	30°♋♐		inferior conj	-11910 May 28 j 21:57	10°♐34'42	-3°14'22
min. Earth dist.	-11911 Jun 12 j 16:55	28°♐47'06	0.66165 AU	minimum elong	-11910 May 28 j 23:42	10°♐29'32	3°14'25
inferior conj	-11911 Jun 14 j 01:44	27°♐03'18	-2°50'44	morning rise	-11910 Jun 03 j 20:53	4°♐58'01	
minimum elong	-11911 Jun 14 j 04:01	26°♐56'06	2°50'19	direct	-11910 Jun 06 j 21:47	4°♐07'09	
morning rise	-11911 Jun 19 j 17:59	21°♐11'38		asc. node	-11910 Jun 11 j 22:28	6°♐17'30	
direct	-11911 Jun 23 j 01:33	20°♐08'12		morning max el	-11910 Jun 13 j 11:57	7°♐43'38	18°29'55
asc. node	-11911 Jun 25 j 01:41	20°♐30'19			-11910 Jun 28 j 17:19	0°♑	
morning max el	-11911 Jun 30 j 01:40	24°♐07'17	19°10'00	morning set	-11910 Jul 03 j 04:43	7°♑22'17	
	-11911 Jul 04 j 21:47	0°♑			-11910 Jul 17 j 03:51	0°♒	
morning set	-11911 Jul 22 j 18:07	27°♑24'44					
	-11911 Jul 24 j 09:19	0°♒		superior conj	-11910 Jul 17 j 22:42	1°♒15'04	1°05'45

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-11910 Jul 18 j 05:12	1°  40'56	1°05'25	superior conj	-11909 Jun 27 j 13:29	10°  13'01	1°35'10
max. Earth dist.	-11910 Jul 20 j 05:54	4°  54'19	1.44478 AU	minimum elong	-11909 Jun 27 j 18:39	10°  34'11	1°34'55
desc. node	-11910 Jul 29 j 18:32	19°  56'27		max. Earth dist.	-11909 Jul 02 j 20:33	18°  48'30	1.43745 AU
evening rise	-11910 Aug 03 j 12:45	27°  25'35			-11909 Jul 09 j 21:52	0° 	
	-11910 Aug 05 j 04:02	0°  II		evening rise	-11909 Jul 13 j 18:07	6°  00'02	
	-11910 Aug 25 j 13:10	0° 		desc. node	-11909 Jul 16 j 15:59	10°  30'21	
evening max el	-11910 Aug 26 j 22:04	1°  29'24	19°22'51		-11909 Jul 29 j 14:06	0°  II	
retrograde	-11910 Sep 03 j 01:02	5°  33'59		evening max el	-11909 Aug 10 j 02:18	14°  II57'21	20°20'35
evening set	-11910 Sep 06 j 08:06	4°  31'08		retrograde	-11909 Aug 17 j 21:52	19°  II30'46	
asc. node	-11910 Sep 07 j 23:08	3°  15'16		evening set	-11909 Aug 21 j 15:22	18°  II10'34	
	-11910 Sep 10 j 22:10	30°  RII		asc. node	-11909 Aug 25 j 20:08	13°  II45'58	
inferior conj	-11910 Sep 12 j 00:19	28°  II37'34	1°15'34	inferior conj	-11909 Aug 27 j 01:55	12°  II07'26	0°23'30
minimum elong	-11910 Sep 11 j 22:36	28°  II43'05	1°15'36	minimum elong	-11909 Aug 27 j 01:23	12°  II09'14	0°23'56
min. Earth dist.	-11910 Sep 13 j 06:52	27°  II00'16	0.65849 AU	min. Earth dist.	-11909 Aug 27 j 21:15	11°  II02'44	0.66605 AU
morning rise	-11910 Sep 17 j 12:45	22°  II20'46		morning rise	-11909 Sep 01 j 11:12	5°  II46'43	
direct	-11910 Sep 23 j 15:09	19°  II45'48		direct	-11909 Sep 06 j 23:24	3°  II26'11	
morning max el	-11910 Oct 06 j 02:19	27°  II02'53	26°01'59	morning max el	-11909 Sep 18 j 12:14	10°  II18'37	24°47'29
	-11910 Oct 08 j 21:35	0° 			-11909 Oct 04 j 05:02	0° 	
desc. node	-11910 Oct 25 j 17:31	22°  27'06		desc. node	-11909 Oct 12 j 14:22	12°  23'20'1	
	-11910 Oct 30 j 13:31	0°  Omega			-11909 Oct 23 j 05:13	0°  Omega	
morning set	-11910 Nov 11 j 02:46	19°  Omega54'47		morning set	-11909 Oct 24 j 08:02	1°  Omega56'58	
max. Earth dist.	-11910 Nov 15 j 04:26	27°  Omega35'46	1.35949 AU	max. Earth dist.	-11909 Oct 28 j 06:09	8°  Omega58'18	1.37724 AU
	-11910 Nov 16 j 10:07	0°  M					
superior conj	-11910 Nov 20 j 07:18	7°  M44'01	-1°36'07	superior conj	-11909 Nov 03 j 19:01	21°  Omega18'06	-1°38'08
minimum elong	-11910 Nov 20 j 08:15	7°  M48'52	1°35'46	minimum elong	-11909 Nov 03 j 18:33	21°  Omega15'51	1°37'39
evening rise	-11910 Nov 28 j 01:24	23°  M39'03			-11909 Nov 08 j 04:55	0°  M	
	-11910 Dec 01 j 05:13	0°  Omega		evening rise	-11909 Nov 12 j 03:55	7°  M54'28	
asc. node	-11910 Dec 04 j 21:26	6°  Omega57'24		asc. node	-11909 Nov 21 j 18:47	25°  M42'57	
evening max el	-11910 Dec 16 j 12:36	23°  Omega16'59	20°18'56		-11909 Nov 24 j 15:20	0°  Omega	
retrograde	-11910 Dec 26 j 23:13	28°  Omega11'14		evening max el	-11909 Nov 29 j 04:19	5°  Omega19'38	19°16'14
evening set	-11910 Dec 29 j 14:38	27°  Omega53'44		retrograde	-11909 Dec 08 j 03:28	9°  Omega35'22	
inferior conj	-11909 Jan 07 j 06:34	23°  Omega53'06	3°20'08	evening set	-11909 Dec 10 j 15:49	9°  Omega16'45	
minimum elong	-11909 Jan 07 j 12:10	23°  Omega44'39	3°18'43	inferior conj	-11909 Dec 18 j 19:33	5°  Omega03'43	4°07'10
min. Earth dist.	-11909 Jan 09 j 01:51	22°  Omega48'01	0.55965 AU	minimum elong	-11909 Dec 18 j 22:19	4°  Omega59'01	4°06'53
morning rise	-11909 Jan 16 j 08:02	19°  Omega25'39		min. Earth dist.	-11909 Dec 21 j 15:40	3°  Omega08'44	0.57202 AU
direct	-11909 Jan 20 j 02:36	18°  Omega54'17		morning rise	-11909 Dec 27 j 02:41	0°  Omega11'38	
desc. node	-11909 Jan 21 j 19:21	19°  Omega00'50			-11909 Dec 27 j 15:19	30°  R M	
morning max el	-11909 Feb 02 j 14:34	25°  Omega34'51	23°22'29	direct	-11908 Jan 01 j 05:52	29°  M10'45	
	-11909 Feb 06 j 16:58	0°  M			-11908 Jan 05 j 20:15	0°  Omega	
	-11909 Feb 24 j 16:57	0°  M		desc. node	-11908 Jan 08 j 16:01	1°  Omega16'55	
morning set	-11909 Feb 25 j 23:36	2°  M38'59		morning max el	-11908 Jan 15 j 05:23	6°  Omega16'18	24°58'02
asc. node	-11909 Mar 02 j 19:14	12°  M38'59			-11908 Feb 01 j 09:47	0°  M	
				morning set	-11908 Feb 10 j 12:08	17°  M44'08	
superior conj	-11909 Mar 05 j 02:22	17°  M49'18	0°21'38		-11908 Feb 16 j 05:11	0°  M	
minimum elong	-11909 Mar 05 j 01:28	17°  M44'28	0°20'48	superior conj	-11908 Feb 17 j 11:42	2°  M45'36	-0°01'53
max. Earth dist.	-11909 Mar 07 j 08:29	22°  M36'23	1.33800 AU	minimum elong	-11908 Feb 17 j 11:48	2°  M46'11	0°02'28
	-11909 Mar 10 j 22:10	0°  Z		behind sun begin	-11908 Feb 17 j 06:47	2°  M48'57	
evening rise	-11909 Mar 12 j 19:16	3°  Z46'39		behind sun end	-11908 Feb 17 j 16:50	3°  M48'13'23	
	-11909 Mar 27 j 10:51	0°  Z		asc. node	-11908 Feb 17 j 16:28	3°  M48'11'23	
evening max el	-11909 Apr 15 j 12:52	25°  Z02'05	27°25'37	max. Earth dist.	-11908 Feb 18 j 17:11	5°  M48'25'03	1.33144 AU
desc. node	-11909 Apr 19 j 19:14	28°  Z44'16		evening rise	-11908 Feb 24 j 19:57	18°  M48'17'38	
	-11909 Apr 21 j 14:40	0°  H			-11908 Mar 01 j 19:57	0°  Z	
retrograde	-11909 Apr 29 j 05:31	2°  H37'00			-11908 Mar 21 j 00:53	0°  Z	
evening set	-11909 May 06 j 04:17	0°  H00'08		evening max el	-11908 Mar 27 j 20:34	7°  Z35'48	27°19'37
	-11909 May 06 j 04:21	30°  R Z		desc. node	-11908 Apr 05 j 16:27	13°  Z58'27	
min. Earth dist.	-11909 May 09 j 20:19	26°  Z40'29	0.63592 AU	retrograde	-11908 Apr 10 j 20:07	15°  Z58'35	
inferior conj	-11909 May 12 j 10:06	23°  Z56'37	-3°26'33	evening set	-11908 Apr 17 j 14:56	12°  Z54'45	
minimum elong	-11909 May 12 j 10:45	23°  Z54'54	3°26'58	min. Earth dist.	-11908 Apr 21 j 08:53	9°  Z56'44	0.61784 AU
morning rise	-11909 May 18 j 18:06	18°  Z37'13		inferior conj	-11908 Apr 24 j 11:02	7°  Z52'15	-3°23'16
direct	-11909 May 21 j 13:36	17°  Z57'15		minimum elong	-11908 Apr 24 j 10:01	7°  Z54'40	3°23'46
morning max el	-11909 May 28 j 01:18	21°  Z21'30	18°07'16	morning rise	-11908 May 01 j 06:49	2°  Z51'44	
asc. node	-11909 May 29 j 19:16	23°  Z16'13		direct	-11908 May 03 j 21:42	1°  Z31'11	
	-11909 Jun 03 j 15:48	0°  H		morning max el	-11908 May 10 j 15:09	4°  Z54'27	18°02'51
morning set	-11909 Jun 14 j 16:29	18°  H29'56		asc. node	-11908 May 15 j 16:05	11°  Z51'49	
	-11909 Jun 21 j 10:07	0°  Y			-11908 May 26 j 17:08	0°  H	
				morning set	-11908 May 27 j 02:08	0°  H40'31	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-11908 Jun 07 j 06:19	20° X 27'37	1°48'12	superior conj	-11907 May 20 j 01:03	2° X 00'10	1°47'16
minimum elong	-11908 Jun 07 j 07:45	20° X 33'45	1°48'01	minimum elong	-11907 May 19 j 23:33	1° X 53'21	1°46'52
	-11908 Jun 12 j 21:57	0° Y		max. Earth dist.	-11907 May 27 j 09:52	14° X 56'37	1.40729 AU
max. Earth dist.	-11908 Jun 14 j 05:58	2° Y 12'11	1.42433 AU	evening rise	-11907 Jun 01 j 14:58	23° X 39'27	
evening rise	-11908 Jun 21 j 19:30	14° Y 23'00			-11907 Jun 05 j 13:13	0° Y	
	-11908 Jul 01 j 22:56	0° Z		desc. node	-11907 Jun 19 j 10:58	21° Y 04'21	
desc. node	-11908 Jul 02 j 13:29	0° Z 54'33			-11907 Jun 25 j 21:05	0° Z	
evening max el	-11908 Jul 22 j 23:37	28° Z 20'49	21°31'22	evening max el	-11907 Jul 05 j 14:33	11° Z 41'13	22°51'01
	-11908 Jul 24 j 17:08	0° II		retrograde	-11907 Jul 15 j 11:47	17° Z 33'08	
retrograde	-11908 Jul 31 j 17:58	3° II 31'14		evening set	-11907 Jul 20 j 07:48	15° Z 31'39	
evening set	-11908 Aug 04 j 23:55	1° II 51'04		inferior conj	-11907 Jul 25 j 13:01	9° Z 17'52	-1°14'00
	-11908 Aug 06 j 22:11	30° R Z		minimum elong	-11907 Jul 25 j 14:28	9° Z 12'51	1°13'04
inferior conj	-11908 Aug 10 j 06:46	25° Z 41'19	-0°26'52	min. Earth dist.	-11907 Jul 25 j 11:13	9° Z 24'03	0.67241 AU
minimum elong	-11908 Aug 10 j 07:19	25° Z 39'25	0°26'07	asc. node	-11907 Jul 29 j 13:56	4° Z 12'41	
min. Earth dist.	-11908 Aug 10 j 15:32	25° Z 11'10	0.67069 AU	morning rise	-11907 Jul 30 j 21:02	3° Z 01'11	
asc. node	-11908 Aug 11 j 17:04	23° Z 44'21		direct	-11907 Aug 04 j 06:07	1° Z 16'27	
morning rise	-11908 Aug 15 j 14:35	19° Z 20'42		morning max el	-11907 Aug 13 j 12:09	6° Z 49'51	22°01'20
direct	-11908 Aug 20 j 12:42	17° Z 17'38			-11907 Aug 31 j 02:30	0° II	
morning max el	-11908 Aug 30 j 22:38	23° Z 33'44	23°24'27	morning set	-11907 Sep 14 j 16:02	22° II 19'01	
	-11908 Sep 05 j 14:17	0° II		desc. node	-11907 Sep 15 j 08:20	23° II 24'13	
	-11908 Sep 26 j 15:26	0° S			-11907 Sep 19 j 09:52	0° S	
desc. node	-11908 Sep 28 j 11:19	2° S 52'54		max. Earth dist.	-11907 Sep 21 j 06:34	3° S 04'53	1.41607 AU
morning set	-11908 Oct 04 j 13:17	12° S 46'28					
max. Earth dist.	-11908 Oct 09 j 04:32	20° S 39'28	1.39694 AU	superior conj	-11907 Sep 28 j 17:56	15° S 51'02	-1°14'09
	-11908 Oct 14 j 10:50	0° Q		minimum elong	-11907 Sep 28 j 13:58	15° S 33'40	1°13'07
					-11907 Oct 06 j 14:46	0° Q	
superior conj	-11908 Oct 16 j 16:24	4° Q 05'27	-1°31'34	evening rise	-11907 Oct 09 j 07:36	4° Q 58'24	
minimum elong	-11908 Oct 16 j 14:04	3° Q 54'42	1°30'51		-11907 Oct 24 j 17:31	0° R	
evening rise	-11908 Oct 25 j 23:05	21° Q 43'44		evening max el	-11907 Oct 25 j 13:59	0° R 53'22	18°11'08
	-11908 Oct 30 j 07:37	0° R		asc. node	-11907 Oct 25 j 13:22	0° R 51'49	
asc. node	-11908 Nov 07 j 16:05	13° R 45'38		retrograde	-11907 Nov 01 j 15:20	4° R 29'03	
evening max el	-11908 Nov 11 j 05:37	17° R 54'32	18°33'37	evening set	-11907 Nov 04 j 03:23	4° R 02'38	
retrograde	-11908 Nov 19 j 01:02	21° R 44'00			-11907 Nov 10 j 06:26	30° R Q	
evening set	-11908 Nov 21 j 12:28	21° R 22'16		inferior conj	-11907 Nov 11 j 05:49	29° Q 08'01	3°58'00
inferior conj	-11908 Nov 29 j 03:22	16° R 49'29	4°16'29	minimum elong	-11907 Nov 11 j 02:39	29° Q 15'08	3°57'56
minimum elong	-11908 Nov 29 j 02:28	16° R 51'14	4°16'38	min. Earth dist.	-11907 Nov 14 j 07:05	26° Q 24'21	0.60752 AU
min. Earth dist.	-11908 Dec 02 j 08:22	14° R 20'00	0.58900 AU	morning rise	-11907 Nov 18 j 00:33	23° Q 34'51	
morning rise	-11908 Dec 06 j 14:38	11° R 35'22		direct	-11907 Nov 24 j 22:26	21° Q 22'22	
direct	-11908 Dec 12 j 21:11	9° R 56'37		morning max el	-11907 Dec 08 j 21:10	28° Q 46'47	27°13'50
desc. node	-11908 Dec 25 j 12:40	15° R 56'49			-11907 Dec 10 j 02:44	0° R	
morning max el	-11908 Dec 26 j 22:17	17° R 14'12	26°19'26	desc. node	-11907 Dec 12 j 09:17	2° R 26'03	
	-11907 Jan 06 j 12:48	0° A			-11907 Dec 31 j 04:39	0° A	
	-11907 Jan 23 j 15:26	0° M		morning set	-11906 Jan 09 j 08:16	17° A 39'49	
morning set	-11907 Jan 24 j 23:40	2° M 47'07			-11906 Jan 15 j 03:17	0° M	
superior conj	-11907 Jan 31 j 23:11	17° M 49'19	-0°24'33	superior conj	-11906 Jan 16 j 11:00	2° M 52'48	-0°45'41
minimum elong	-11907 Feb 01 j 00:10	17° M 54'44	0°24'51	minimum elong	-11906 Jan 16 j 12:40	3° M 01'53	0°45'45
max. Earth dist.	-11907 Feb 01 j 05:58	18° M 26'24	1.32821 AU	max. Earth dist.	-11906 Jan 15 j 19:13	1° M 26'43	1.32828 AU
asc. node	-11907 Feb 03 j 13:40	23° M 29'29		asc. node	-11906 Jan 21 j 10:56	13° M 43'47	
	-11907 Feb 06 j 14:38	0° J		evening rise	-11906 Jan 23 j 11:45	18° M 02'28	
evening rise	-11907 Feb 08 j 02:11	3° J 05'55			-11906 Jan 29 j 11:16	0° J	
	-11907 Feb 22 j 18:18	0° S			-11906 Feb 18 j 22:01	0° S	
evening max el	-11907 Mar 09 j 23:43	19° S 34'50	26°40'52	evening max el	-11906 Feb 19 j 21:17	0° S 56'55	25°32'58
desc. node	-11907 Mar 23 j 13:32	26° S 58'51		retrograde	-11906 Mar 05 j 22:43	8° S 07'09	
retrograde	-11907 Mar 24 j 02:39	26° S 59'37		desc. node	-11906 Mar 10 j 10:33	7° S 19'02	
evening set	-11907 Mar 30 j 07:50	25° S 18'45		evening set	-11906 Mar 11 j 05:44	7° S 00'44	
min. Earth dist.	-11907 Apr 03 j 13:09	22° S 28'16	0.59809 AU	min. Earth dist.	-11906 Mar 16 j 10:41	4° S 04'13	0.57908 AU
inferior conj	-11907 Apr 06 j 21:13	19° S 44'04	-2°59'00	inferior conj	-11906 Mar 19 j 13:08	1° S 52'20	-2°07'35
minimum elong	-11907 Apr 06 j 18:25	19° S 49'53	2°59'12	minimum elong	-11906 Mar 19 j 09:33	1° S 58'43	2°07'23
morning rise	-11907 Apr 14 j 07:37	15° S 03'13			-11906 Mar 22 j 06:49	30° R J	
direct	-11907 Apr 16 j 18:13	14° S 40'35		morning rise	-11906 Mar 27 j 16:34	27° J 30'35	
morning max el	-11907 Apr 24 j 02:45	18° S 15'24	18°17'21	direct	-11906 Mar 29 j 23:04	27° J 14'13	
asc. node	-11907 May 02 j 12:57	29° S 49'00			-11906 Apr 05 j 22:50	0° S	
	-11907 May 02 j 15:33	0° A		morning max el	-11906 Apr 07 j 09:06	1° S 14'36	18°51'24
morning set	-11907 May 10 j 04:56	13° A 44'04		asc. node	-11906 Apr 19 j 09:50	18° S 59'55	
	-11907 May 18 j 22:34	0° X		morning set	-11906 Apr 23 j 20:25	27° S 29'03	
					-11906 Apr 25 j 03:21	0° A	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

superior conj	-11906 May 02 j 16:39	14° \approx 37'28	1°36'25	minimum elong	-11905 Apr 15 j 20:45	27° \approx 49'47	1°18'13
minimum elong	-11906 May 02 j 13:47	14° \approx 23'54	1°35'42		-11905 Apr 16 j 23:10	0° \approx	
max. Earth dist.	-11906 May 09 j 10:31	27° \approx 03'08	1.38856 AU	max. Earth dist.	-11905 Apr 21 j 12:34	8° \approx 46'06	1.37059 AU
	-11906 May 11 j 02:25	0° \approx		evening rise	-11905 Apr 25 j 13:47	16° \approx 13'46	
evening rise	-11906 May 13 j 13:44	4° \approx 17'47			-11905 May 03 j 13:19	0° \approx	
	-11906 May 29 j 16:15	0° \approx		desc. node	-11905 May 24 j 05:53	0° \approx 13'25	
desc. node	-11906 Jun 06 j 08:25	10° \approx 53'36			-11905 May 24 j 01:35	0° \approx	
evening max el	-11906 Jun 18 j 01:20	25° \approx 01'26	24°13'20	evening max el	-11905 May 31 j 10:49	8° \approx 22'37	25°30'25
	-11906 Jun 24 j 03:34	0° \approx		retrograde	-11905 Jun 12 j 12:51	15° \approx 27'20	
retrograde	-11906 Jun 29 j 02:20	1° \approx 33'35		evening set	-11905 Jun 18 j 14:00	12° \approx 49'07	
	-11906 Jul 03 j 13:03	30° \approx		min. Earth dist.	-11905 Jun 22 j 21:24	7° \approx 56'18	0.66613 AU
evening set	-11906 Jul 04 j 13:11	29° \approx 11'39		inferior conj	-11905 Jun 23 j 22:42	6° \approx 33'39	-2°33'03
min. Earth dist.	-11906 Jul 09 j 05:57	23° \approx 40'09	0.67101 AU	minimum elong	-11905 Jun 24 j 01:02	6° \approx 26'03	2°32'24
inferior conj	-11906 Jul 09 j 18:56	22° \approx 56'01	-1°56'31	morning rise	-11905 Jun 29 j 12:06	0° \approx 34'58	
minimum elong	-11906 Jul 09 j 21:00	22° \approx 48'59	1°55'37		-11905 Jun 30 j 12:05	30° \approx	
morning rise	-11906 Jul 15 j 04:46	16° \approx 46'49		direct	-11905 Jul 03 j 00:13	29° \approx 23'37	
asc. node	-11906 Jul 16 j 10:46	15° \approx 59'36		asc. node	-11905 Jul 03 j 07:34	29° \approx 24'08	
direct	-11906 Jul 19 j 02:28	15° \approx 19'38			-11905 Jul 05 j 14:43	0° \approx	
morning max el	-11906 Jul 27 j 07:23	20° \approx 11'23	20°45'05	morning max el	-11905 Jul 10 j 09:09	3° \approx 39'39	19°40'32
	-11906 Aug 04 j 05:39	0° \approx			-11905 Jul 29 j 00:54	0° \approx	
	-11906 Aug 24 j 08:10	0° \approx		morning set	-11905 Aug 04 j 03:23	9° \approx 30'50	
morning set	-11906 Aug 24 j 22:55	0° \approx 57'26		max. Earth dist.	-11905 Aug 17 j 04:58	0° \approx 04'54	1.44222 AU
desc. node	-11906 Sep 02 j 05:26	14° \approx 02'09			-11905 Aug 17 j 03:44	0° \approx	
max. Earth dist.	-11906 Sep 03 j 15:13	16° \approx 18'20	1.43187 AU	desc. node	-11905 Aug 20 j 02:38	4° \approx 42'54	
superior conj	-11906 Sep 09 j 18:00	26° \approx 12'40	-0°44'13	superior conj	-11905 Aug 20 j 14:30	5° \approx 130'26	-0°02'59
minimum elong	-11906 Sep 09 j 14:11	26° \approx 04'46	0°43'05	minimum elong	-11905 Aug 20 j 14:13	5° \approx 29'18	0°02'19
	-11906 Sep 11 j 22:20	0° \approx		behind sun begin	-11905 Aug 20 j 03:19	4° \approx 45'36	
evening rise	-11906 Sep 22 j 01:15	17° \approx 28'51		behind sun end	-11905 Aug 21 j 01:07	6° \approx 13'03	
	-11906 Sep 29 j 05:46	0° \approx		evening rise	-11905 Sep 03 j 22:39	29° \approx 101'20	
evening max el	-11906 Oct 09 j 02:29	14° \approx 08'38	18°08'07		-11905 Sep 04 j 12:40	0° \approx	
asc. node	-11906 Oct 12 j 10:34	16° \approx 04'00		evening max el	-11905 Sep 22 j 16:07	27° \approx 33'18	18°23'37
retrograde	-11906 Oct 15 j 18:49	17° \approx 04'08			-11905 Sep 25 j 14:25	0° \approx	
evening set	-11906 Oct 18 j 09:13	17° \approx 08'13		retrograde	-11905 Sep 29 j 07:09	1° \approx 11'38	
inferior conj	-11906 Oct 25 j 00:10	11° \approx 53'14	3°22'07	asc. node	-11905 Sep 29 j 07:45	1° \approx 11'38	
minimum elong	-11906 Oct 24 j 20:21	12° \approx 02'58	3°21'45	evening set	-11905 Oct 02 j 02:08	0° \approx 02'42	
min. Earth dist.	-11906 Oct 27 j 14:58	9° \approx 13'59	0.62511 AU		-11905 Oct 02 j 23:06	30° \approx	
morning rise	-11906 Oct 31 j 06:30	6° \approx 03'28		inferior conj	-11905 Oct 08 j 06:59	24° \approx 57'21	2°36'19
direct	-11906 Nov 07 j 07:57	3° \approx 28'48		minimum elong	-11905 Oct 08 j 03:35	25° \approx 06'56	2°35'54
morning max el	-11906 Nov 21 j 02:17	10° \approx 58'58	27°34'21	min. Earth dist.	-11905 Oct 10 j 09:08	22° \approx 35'56	0.64039 AU
desc. node	-11906 Nov 29 j 05:56	20° \approx 14'32		morning rise	-11905 Oct 14 j 04:19	18° \approx 54'04	
	-11906 Dec 06 j 05:34	0° \approx		direct	-11905 Oct 21 j 00:44	16° \approx 10'22	
	-11906 Dec 23 j 09:00	0° \approx		morning max el	-11905 Nov 03 j 11:20	23° \approx 43'02	27°20'42
morning set	-11906 Dec 24 j 11:47	2° \approx 14'38			-11905 Nov 09 j 05:15	0° \approx	
max. Earth dist.	-11906 Dec 30 j 05:09	14° \approx 12'41	1.33181 AU	desc. node	-11905 Nov 16 j 02:35	8° \approx 58'55	
superior conj	-11906 Dec 31 j 21:31	17° \approx 05'06	-1°04'33		-11905 Nov 29 j 11:29	0° \approx	
minimum elong	-11906 Dec 31 j 23:33	18° \approx 01'06	1°04'27	morning set	-11905 Dec 08 j 07:31	16° \approx 22'20	
	-11905 Jan 06 j 12:44	0° \approx		max. Earth dist.	-11905 Dec 13 j 07:58	26° \approx 32'12	1.33915 AU
evening rise	-11905 Jan 07 j 22:52	3° \approx 00'38			-11905 Dec 14 j 23:40	0° \approx	
asc. node	-11905 Jan 08 j 08:13	3° \approx 49'38		superior conj	-11905 Dec 16 j 04:54	2° \approx 34'37	-1°20'19
	-11905 Jan 22 j 19:54	0° \approx		minimum elong	-11905 Dec 16 j 06:55	2° \approx 45'20	1°20'06
evening max el	-11905 Feb 01 j 14:47	11° \approx 52'56	24°05'23	evening rise	-11905 Dec 23 j 09:51	17° \approx 54'17	
retrograde	-11905 Feb 15 j 06:48	18° \approx 38'40		asc. node	-11905 Dec 26 j 05:34	23° \approx 42'02	
evening set	-11905 Feb 19 j 11:52	17° \approx 59'13			-11905 Dec 29 j 11:13	0° \approx	
desc. node	-11905 Feb 25 j 07:30	15° \approx 15'28		evening max el	-11904 Jan 14 j 08:58	22° \approx 45'37	22°31'25
min. Earth dist.	-11905 Feb 26 j 03:58	14° \approx 44'37	0.56389 AU	retrograde	-11904 Jan 27 j 03:28	28° \approx 53'12	
inferior conj	-11905 Feb 28 j 09:14	13° \approx 21'44	-0°46'20	evening set	-11904 Jan 30 j 10:36	28° \approx 29'20	
minimum elong	-11905 Feb 28 j 07:25	13° \approx 24'35	0°46'26	min. Earth dist.	-11904 Feb 07 j 19:15	24° \approx 43'49	0.55547 AU
morning rise	-11905 Mar 09 j 05:48	9° \approx 14'49		inferior conj	-11904 Feb 08 j 13:00	24° \approx 18'14	0°55'55
direct	-11905 Mar 11 j 09:47	9° \approx 02'20		minimum elong	-11904 Feb 08 j 15:21	24° \approx 14'50	0°54'37
morning max el	-11905 Mar 21 j 07:18	13° \approx 42'52	19°45'16	desc. node	-11904 Feb 12 j 04:21	22° \approx 17'49	
	-11905 Apr 01 j 18:32	0° \approx		morning rise	-11904 Feb 17 j 21:14	20° \approx 14'42	
asc. node	-11905 Apr 06 j 06:45	8° \approx 35'27		direct	-11904 Feb 20 j 05:24	20° \approx 01'54	
morning set	-11905 Apr 07 j 20:55	11° \approx 45'26		morning max el	-11904 Mar 02 j 19:00	25° \approx 33'07	20°58'12
					-11904 Mar 06 j 19:45	0° \approx	
superior conj	-11905 Apr 15 j 23:45	28° \approx 04'36	1°19'11	morning set	-11904 Mar 22 j 03:36	26° \approx 25'18	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

asc. node	-11904 Mar 23 j 03:45	28° ♁ 29'34		asc. node	-11903 Mar 10 j 00:51	18° ♁ 36'19	
	-11904 Mar 23 j 21:15	0° ♁					
superior conj	-11904 Mar 29 j 18:04	12° ♁ 09'20	0°58'11	superior conj	-11903 Mar 13 j 20:09	26° ♁ 40'26	0°35'14
minimum elong	-11904 Mar 29 j 15:39	11° ♁ 56'56	0°57'07	minimum elong	-11903 Mar 13 j 18:40	26° ♁ 32'33	0°34'16
max. Earth dist.	-11904 Apr 02 j 21:59	20° ♁ 33'02	1.35524 AU	max. Earth dist.	-11903 Mar 15 j 10:12	0° ♁	
evening rise	-11904 Apr 07 j 09:39	29° ♁ 12'41		evening rise	-11903 Mar 16 j 17:43	2° ♁ 43'37	1.34330 AU
	-11904 Apr 07 j 19:44	0° ♁			-11903 Mar 21 j 19:52	12° ♁ 57'35	
	-11904 Apr 25 j 17:24	0° ♁			-11903 Mar 31 j 02:51	0° ♁	
desc. node	-11904 May 10 j 03:19	18° ♁ 51'43		evening max el	-11903 Apr 20 j 17:52	0° ♁	
evening max el	-11904 May 12 j 21:05	21° ♁ 43'22	26°33'35	desc. node	-11903 Apr 25 j 08:01	4° ♁ 55'27	27°14'42
retrograde	-11904 May 25 j 18:50	29° ♁ 08'33		retrograde	-11903 Apr 27 j 00:41	6° ♁ 30'52	
evening set	-11904 Jun 01 j 07:58	26° ♁ 21'56		evening set	-11903 May 08 j 19:23	12° ♁ 29'06	
min. Earth dist.	-11904 Jun 05 j 07:28	22° ♁ 08'11	0.65748 AU	evening set	-11903 May 15 j 16:19	9° ♁ 45'15	
inferior conj	-11904 Jun 06 j 22:21	20° ♁ 08'48	-3°02'00	min. Earth dist.	-11903 May 19 j 10:10	6° ♁ 07'32	0.64490 AU
minimum elong	-11904 Jun 07 j 00:29	20° ♁ 02'15	3°01'46	inferior conj	-11903 May 21 j 15:31	3° ♁ 37'11	-3°21'11
morning rise	-11904 Jun 12 j 17:12	14° ♁ 23'19		minimum elong	-11903 May 21 j 16:53	3° ♁ 33'19	3°21'24
direct	-11904 Jun 15 j 21:38	13° ♁ 25'39			-11903 May 25 j 02:57	30° ♁	
asc. node	-11904 Jun 19 j 04:19	14° ♁ 23'19		morning rise	-11903 May 27 j 17:59	28° ♁ 07'20	
morning max el	-11904 Jun 22 j 16:50	17° ♁ 14'13	18°50'51	direct	-11903 May 30 j 16:23	27° ♁ 21'21	
	-11904 Jul 02 j 04:31	0° ♁			-11903 Jun 05 j 06:55	0° ♁	
morning set	-11904 Jul 14 j 00:02	18° ♁ 49'39		morning max el	-11903 Jun 06 j 04:40	0° ♁ 51'40	18°17'59
	-11904 Jul 20 j 23:28	0° ♁		asc. node	-11903 Jun 06 j 01:06	0° ♁ 42'46	
				morning set	-11903 Jun 24 j 21:32	29° ♁ 17'15	
					-11903 Jun 25 j 07:43	0° ♁	
superior conj	-11904 Jul 29 j 16:26	13° ♁ 48'54	0°42'23	superior conj	-11903 Jul 08 j 20:36	22° ♁ 15'22	1°20'12
minimum elong	-11904 Jul 29 j 21:21	14° ♁ 08'22	0°42'16	minimum elong	-11903 Jul 09 j 03:05	22° ♁ 41'29	1°19'53
max. Earth dist.	-11904 Jul 29 j 21:09	14° ♁ 07'34	1.44588 AU	max. Earth dist.	-11903 Jul 12 j 13:05	28° ♁ 09'23	1.44248 AU
desc. node	-11904 Aug 05 j 23:58	25° ♁ 23'42			-11903 Jul 13 j 16:55	0° ♁	
	-11904 Aug 08 j 21:31	0° ♁		desc. node	-11903 Jul 23 j 21:23	16° ♁ 01'14	
evening rise	-11904 Aug 14 j 18:25	9° ♁ 22'27		evening rise	-11903 Jul 25 j 11:19	18° ♁ 29'08	
	-11904 Aug 27 j 19:23	0° ♁			-11903 Aug 01 j 21:30	0° ♁	
evening max el	-11904 Sep 05 j 04:07	11° ♁ 02'53	18°56'33	greatest brilliancy	-11903 Aug 06 j 08:06	6° ♁ 47'18	-0.7m
retrograde	-11904 Sep 12 j 00:51	14° ♁ 55'21		evening max el	-11903 Aug 19 j 11:53	24° ♁ 33'05	19°45'45
evening set	-11904 Sep 15 j 02:47	14° ♁ 01'15		retrograde	-11903 Aug 26 j 21:05	28° ♁ 48'36	
asc. node	-11904 Sep 15 j 04:52	13° ♁ 58'10		evening set	-11903 Aug 30 j 08:20	27° ♁ 38'49	
inferior conj	-11904 Sep 20 j 23:08	8° ♁ 14'44	1°45'37	asc. node	-11903 Sep 02 j 01:53	25° ♁ 10'49	
minimum elong	-11904 Sep 20 j 20:43	8° ♁ 22'06	1°45'26	inferior conj	-11903 Sep 04 j 21:56	21° ♁ 41'07	0°53'22
min. Earth dist.	-11904 Sep 22 j 12:40	6° ♁ 19'37	0.65278 AU	minimum elong	-11903 Sep 04 j 20:43	21° ♁ 45'06	0°53'35
morning rise	-11904 Sep 26 j 14:10	2° ♁ 01'41		min. Earth dist.	-11903 Sep 05 j 23:41	20° ♁ 17'11	0.66209 AU
	-11904 Sep 29 j 18:54	30° ♁		morning rise	-11903 Sep 10 j 08:48	15° ♁ 22'16	
direct	-11904 Oct 03 j 00:10	29° ♁ 20'40		direct	-11903 Sep 16 j 05:24	12° ♁ 52'34	
	-11904 Oct 06 j 10:34	0° ♁		morning max el	-11903 Sep 28 j 07:31	20° ♁ 00'34	25°31'51
morning max el	-11904 Oct 15 j 21:37	6° ♁ 47'12	26°37'22		-11903 Oct 06 j 22:38	0° ♁	
desc. node	-11904 Nov 01 j 23:18	28° ♁ 23'16		desc. node	-11903 Oct 19 j 20:06	18° ♁ 16'19	
	-11904 Nov 03 j 01:12	0° ♁			-11903 Oct 27 j 03:53	0° ♁	
morning set	-11904 Nov 20 j 15:58	29° ♁ 51'44		morning set	-11903 Nov 03 j 08:41	12° ♁ 30'07	
	-11904 Nov 20 j 17:43	0° ♁		max. Earth dist.	-11903 Nov 07 j 06:41	19° ♁ 43'59	1.36662 AU
max. Earth dist.	-11904 Nov 25 j 00:33	8° ♁ 19'19	1.35077 AU		-11903 Nov 12 j 13:55	0° ♁	
superior conj	-11904 Nov 29 j 07:00	16° ♁ 59'06	-1°31'53	superior conj	-11903 Nov 13 j 01:01	0° ♁ 55'14	-1°37'53
minimum elong	-11904 Nov 29 j 08:30	17° ♁ 06'54	1°31'36	minimum elong	-11903 Nov 13 j 01:27	0° ♁ 57'21	1°37'31
	-11904 Dec 05 j 12:41	0° ♁		evening rise	-11903 Nov 21 j 00:39	17° ♁ 05'24	
evening rise	-11904 Dec 06 j 19:04	2° ♁ 37'36			-11903 Nov 27 j 16:37	0° ♁	
asc. node	-11904 Dec 12 j 02:57	13° ♁ 14'41		asc. node	-11903 Nov 29 j 00:20	2° ♁ 20'16	
	-11904 Dec 22 j 17:19	0° ♁		evening max el	-11903 Dec 08 j 19:11	15° ♁ 40'40	19°49'58
evening max el	-11904 Dec 26 j 09:18	3° ♁ 57'09	21°03'24	retrograde	-11903 Dec 18 j 13:44	20° ♁ 16'37	
retrograde	-11903 Jan 06 j 17:52	9° ♁ 17'20		evening set	-11903 Dec 21 j 03:41	19° ♁ 58'51	
evening set	-11903 Jan 09 j 12:38	8° ♁ 59'20		inferior conj	-11903 Dec 29 j 14:39	15° ♁ 54'33	3°45'04
inferior conj	-11903 Jan 18 j 10:23	5° ♁ 00'26	2°35'12	minimum elong	-11903 Dec 29 j 19:22	15° ♁ 47'06	3°44'09
minimum elong	-11903 Jan 18 j 15:58	4° ♁ 52'21	2°33'20	min. Earth dist.	-11903 Dec 31 j 22:36	14° ♁ 26'51	0.56416 AU
min. Earth dist.	-11903 Jan 19 j 09:20	4° ♁ 27'17	0.55562 AU	morning rise	-11902 Jan 07 j 09:03	11° ♁ 16'54	
morning rise	-11903 Jan 27 j 18:15	0° ♁ 44'49		direct	-11902 Jan 11 j 17:43	10° ♁ 34'24	
desc. node	-11903 Jan 29 j 01:07	0° ♁ 30'59		desc. node	-11902 Jan 15 j 21:49	11° ♁ 14'15	
direct	-11903 Jan 30 j 20:27	0° ♁ 23'41		morning max el	-11902 Jan 25 j 11:46	17° ♁ 27'22	24°03'49
morning max el	-11903 Feb 12 j 19:26	6° ♁ 43'27	22°27'02		-11902 Feb 04 j 15:36	0° ♁	
	-11903 Feb 28 j 21:41	0° ♁		morning set	-11902 Feb 19 j 02:25	26° ♁ 23'52	
morning set	-11903 Mar 06 j 14:05	11° ♁ 20'24					

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

	-11902 Feb 20 j 19:17	0°♊		morning rise	-11902 Dec 18 j 09:46	22°♑17'25	
asc. node	-11902 Feb 24 j 22:02	8°♊50'57		direct	-11902 Dec 24 j 01:48	21°♑00'59	
				desc. node	-11901 Jan 02 j 18:29	24°♑34'49	
superior conj	-11902 Feb 26 j 03:27	11°♊29'31	0°11'38	morning max el	-11901 Jan 07 j 02:40	28°♑11'50	25°35'21
minimum elong	-11902 Feb 26 j 02:59	11°♊26'59	0°10'54		-11901 Jan 08 j 21:46	0°♑	
behind sun begin	-11902 Feb 25 j 23:14	11°♊06'48			-11901 Jan 28 j 21:47	0°♑	
behind sun end	-11902 Feb 26 j 06:44	11°♊47'09		morning set	-11901 Feb 03 j 14:44	11°♑28'39	
max. Earth dist.	-11902 Feb 27 j 22:41	15°♊21'03	1.33486 AU				
evening rise	-11902 Mar 05 j 16:13	27°♊14'58		superior conj	-11901 Feb 10 j 13:52	26°♑29'11	-0°11'39
	-11902 Mar 07 j 01:22	0°♋		minimum elong	-11901 Feb 10 j 14:22	26°♑31'54	0°12'06
	-11902 Mar 24 j 10:40	0°♋		behind sun begin	-11901 Feb 10 j 11:08	26°♑14'15	
evening max el	-11902 Apr 07 j 17:47	17°♋47'08	27°27'05	behind sun end	-11901 Feb 10 j 17:37	26°♑49'33	
desc. node	-11902 Apr 13 j 21:56	22°♋46'54		max. Earth dist.	-11901 Feb 11 j 09:43	28°♑17'04	1.32968 AU
retrograde	-11902 Apr 21 j 13:41	25°♋20'55		asc. node	-11901 Feb 11 j 19:15	29°♑08'49	
evening set	-11902 Apr 28 j 11:50	22°♋52'41			-11901 Feb 12 j 04:41	0°♋	
min. Earth dist.	-11902 May 02 j 03:58	19°♋43'35	0.62863 AU	evening rise	-11901 Feb 17 j 19:32	11°♋53'53	
inferior conj	-11902 May 04 j 23:20	16°♋53'19	-3°27'23		-11901 Feb 27 j 06:53	0°♋	
minimum elong	-11902 May 04 j 23:20	16°♋53'20	3°27'52		-11901 Mar 20 j 20:59	0°♋	
morning rise	-11902 May 11 j 11:58	11°♋41'28		evening max el	-11901 Mar 20 j 23:46	0°♋06'43	27°07'02
direct	-11902 May 14 j 05:32	11°♋05'31		desc. node	-11901 Mar 31 j 19:05	7°♋08'39	
morning max el	-11902 May 20 j 18:28	14°♋27'51	18°03'01	retrograde	-11901 Apr 04 j 00:46	7°♋36'12	
asc. node	-11902 May 23 j 21:54	18°♋06'48		evening set	-11901 Apr 10 j 15:14	5°♋35'25	
	-11902 May 31 j 13:19	0°♌		min. Earth dist.	-11901 Apr 14 j 12:36	2°♋42'44	0.60956 AU
morning set	-11902 Jun 06 j 19:11	10°♌53'16		inferior conj	-11901 Apr 17 j 18:26	29°♋49'56	-3°15'56
	-11902 Jun 17 j 21:04	0°♍		minimum elong	-11901 Apr 17 j 16:37	29°♋54'00	3°16'22
					-11901 Apr 17 j 13:57	30°♋	
superior conj	-11902 Jun 18 j 21:48	1°♍43'38	1°42'39	morning rise	-11901 Apr 24 j 20:05	24°♋57'50	
minimum elong	-11902 Jun 19 j 01:25	1°♍58'47	1°42'28	direct	-11901 Apr 27 j 09:17	24°♋30'42	
max. Earth dist.	-11902 Jun 25 j 02:07	11°♍53'46	1.43257 AU	morning max el	-11901 May 04 j 07:43	27°♋56'51	18°06'43
evening rise	-11902 Jul 04 j 12:06	26°♍50'44			-11901 May 06 j 05:24	0°♋	
	-11902 Jul 06 j 12:52	0°♎		asc. node	-11901 May 10 j 18:44	6°♋21'23	
desc. node	-11902 Jul 10 j 18:50	6°♎31'29		morning set	-11901 May 20 j 12:46	23°♋28'21	
	-11902 Jul 26 j 21:41	0°♏			-11901 May 24 j 02:11	0°♎	
evening max el	-11902 Aug 02 j 13:20	7°♏59'32	20°49'22				
retrograde	-11902 Aug 10 j 17:42	12°♏47'16		superior conj	-11901 May 31 j 02:12	12°♎33'19	1°49'17
evening set	-11902 Aug 14 j 16:22	11°♏18'43		minimum elong	-11901 May 31 j 02:11	12°♎33'17	1°49'02
asc. node	-11902 Aug 19 j 22:51	5°♏20'16		max. Earth dist.	-11901 Jun 07 j 09:47	25°♎04'27	1.41746 AU
inferior conj	-11902 Aug 20 j 01:07	5°♏12'34	0°01'47		-11901 Jun 10 j 09:21	0°♏	
minimum elong	-11902 Aug 20 j 01:04	5°♏12'45	0°02'23	evening rise	-11901 Jun 13 j 19:07	5°♏30'42	
transit middle	-11902 Aug 20 j 01:04	5°♏12'45	0°02'23	desc. node	-11901 Jun 27 j 16:18	26°♏50'39	
transit begin	-11902 Aug 19 j 22:22	5°♏21'55			-11901 Jun 29 j 20:06	0°♎	
transit end	-11902 Aug 20 j 03:46	5°♏03'35		evening max el	-11901 Jul 16 j 07:43	21°♎21'38	22°04'22
min. Earth dist.	-11902 Aug 20 j 15:53	4°♏22'28	0.66842 AU	retrograde	-11901 Jul 25 j 13:01	26°♎49'24	
	-11902 Aug 24 j 04:55	30°♎		evening set	-11901 Jul 30 j 00:53	24°♎59'58	
morning rise	-11902 Aug 25 j 09:36	28°♎51'42		inferior conj	-11901 Aug 04 j 06:46	18°♎48'02	-0°47'21
direct	-11902 Aug 30 j 15:48	26°♎38'26		minimum elong	-11901 Aug 04 j 07:44	18°♎44'42	0°46'30
	-11902 Sep 07 j 03:32	0°♐		min. Earth dist.	-11901 Aug 04 j 10:59	18°♎33'29	0.67182 AU
morning max el	-11902 Sep 10 j 17:17	3°♐15'46	24°12'42	asc. node	-11901 Aug 06 j 19:44	15°♎24'24	
	-11902 Oct 01 j 04:18	0°♑		morning rise	-11901 Aug 09 j 14:30	12°♎28'49	
desc. node	-11902 Oct 06 j 16:59	8°♑28'47		direct	-11901 Aug 14 j 06:49	10°♎33'50	
morning set	-11902 Oct 16 j 04:13	24°♑02'06		morning max el	-11901 Aug 24 j 04:52	16°♎31'58	22°48'40
	-11902 Oct 19 j 14:15	0°♒			-11901 Sep 04 j 03:56	0°♐	
max. Earth dist.	-11902 Oct 20 j 06:25	1°♒12'01	1.38556 AU	desc. node	-11901 Sep 23 j 13:57	28°♐54'51	
					-11901 Sep 24 j 06:15	0°♑	
superior conj	-11902 Oct 27 j 07:12	14°♒10'58	-1°36'32	morning set	-11901 Sep 26 j 22:06	4°♑18'17	
minimum elong	-11902 Oct 27 j 05:59	14°♒05'08	1°35'59	max. Earth dist.	-11901 Oct 02 j 06:08	13°♑11'55	1.40536 AU
	-11902 Nov 04 j 10:01	0°♒					
evening rise	-11902 Nov 05 j 00:21	1°♒10'29		superior conj	-11901 Oct 09 j 20:47	26°♑33'30	-1°25'38
asc. node	-11902 Nov 15 j 21:40	20°♒48'50		minimum elong	-11901 Oct 09 j 17:39	26°♑19'24	1°24'47
evening max el	-11902 Nov 21 j 15:06	27°♒57'08	18°55'33		-11901 Oct 11 j 18:07	0°♒	
	-11902 Nov 24 j 02:59	0°♓		evening rise	-11901 Oct 19 j 15:25	14°♒46'11	
retrograde	-11902 Nov 30 j 01:09	2°♓00'12			-11901 Oct 28 j 00:07	0°♒	
evening set	-11902 Dec 02 j 13:04	1°♓40'18		asc. node	-11901 Nov 02 j 18:57	8°♒29'02	
	-11902 Dec 06 j 10:29	30°♒		evening max el	-11901 Nov 04 j 19:37	10°♒42'24	18°21'32
inferior conj	-11902 Dec 10 j 11:16	27°♒19'01	4°15'13	retrograde	-11901 Nov 12 j 06:23	14°♒25'01	
minimum elong	-11902 Dec 10 j 12:24	27°♒16'58	4°15'15	evening set	-11901 Nov 14 j 17:44	14°♒01'35	
min. Earth dist.	-11902 Dec 13 j 12:51	25°♒07'23	0.57890 AU	inferior conj	-11901 Nov 22 j 03:13	9°♒19'18	4°11'23

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

minimum elong	-11901 Nov 22 j 01:09	9° \mathbb{M} 23'36	4°11'29	min. Earth dist.	-11900 Nov 06 j 10:21	19° Ω 06'18	0.61519 AU
min. Earth dist.	-11901 Nov 25 j 07:42	6° \mathbb{M} 41'15	0.59685 AU	morning rise	-11900 Nov 10 j 01:49	16° Ω 09'45	
morning rise	-11901 Nov 29 j 06:54	3° \mathbb{M} 56'23		direct	-11900 Nov 17 j 02:29	13° Ω 45'51	
direct	-11901 Dec 05 j 21:16	2° \mathbb{M} 02'25		morning max el	-11900 Nov 30 j 23:50	21° Ω 13'52	27°26'49
morning max el	-11901 Dec 19 j 22:04	9° \mathbb{M} 23'30	26°46'32	desc. node	-11900 Dec 06 j 11:46	27° Ω 11'44	
desc. node	-11901 Dec 20 j 15:07	10° \mathbb{M} 05'05			-11900 Dec 08 j 18:02	0° \mathbb{M}	
	-11900 Jan 04 j 18:34	0° $\underline{\mathbb{A}}$			-11900 Dec 27 j 15:02	0° $\underline{\mathbb{A}}$	
morning set	-11900 Jan 19 j 01:13	26° $\underline{\mathbb{A}}$ 27'56		morning set	-11899 Jan 02 j 07:58	11° $\underline{\mathbb{A}}$ 14'40	
	-11900 Jan 20 j 17:32	0° \mathbb{M}		max. Earth dist.	-11899 Jan 08 j 11:14	24° $\underline{\mathbb{A}}$ 14'38	1.32926 AU
superior conj	-11900 Jan 26 j 01:39	11° \mathbb{M} 33'07	-0°33'46	superior conj	-11899 Jan 09 j 13:10	26° $\underline{\mathbb{A}}$ 35'26	-0°54'02
minimum elong	-11900 Jan 26 j 02:58	11° \mathbb{M} 40'16	0°33'57	minimum elong	-11899 Jan 09 j 15:01	26° $\underline{\mathbb{A}}$ 45'34	0°54'01
max. Earth dist.	-11900 Jan 25 j 23:05	11° \mathbb{M} 19'04	1.32779 AU		-11899 Jan 11 j 02:44	0° \mathbb{M}	
asc. node	-11900 Jan 29 j 16:29	19° \mathbb{M} 25'39		asc. node	-11899 Jan 15 j 13:46	9° \mathbb{M} 37'24	
evening rise	-11900 Feb 02 j 03:22	26° \mathbb{M} 45'54		evening rise	-11899 Jan 16 j 13:49	11° \mathbb{M} 44'19	
	-11900 Feb 03 j 17:01	0° \mathbb{A}			-11899 Jan 25 j 23:58	0° \mathbb{A}	
	-11900 Feb 21 j 01:35	0° \mathbb{B}		evening max el	-11899 Feb 11 j 19:41	22° \mathbb{A} 57'37	24°57'29
evening max el	-11900 Mar 02 j 00:13	11° \mathbb{B} 48'08	26°15'05	retrograde	-11899 Feb 25 j 18:53	29° \mathbb{A} 59'34	
retrograde	-11900 Mar 16 j 03:15	19° \mathbb{B} 08'34		evening set	-11899 Mar 02 j 14:33	29° \mathbb{A} 06'07	
desc. node	-11900 Mar 17 j 16:09	19° \mathbb{B} 02'36		desc. node	-11899 Mar 04 j 13:08	28° \mathbb{A} 16'29	
evening set	-11900 Mar 21 j 23:59	17° \mathbb{B} 42'24		min. Earth dist.	-11899 Mar 08 j 09:18	26° \mathbb{A} 03'01	0.57188 AU
min. Earth dist.	-11900 Mar 26 j 13:33	14° \mathbb{B} 51'07	0.58965 AU	inferior conj	-11899 Mar 11 j 04:39	24° \mathbb{A} 10'19	-1°36'38
inferior conj	-11900 Mar 29 j 21:08	12° \mathbb{B} 17'48	-2°40'48	minimum elong	-11899 Mar 11 j 01:27	24° \mathbb{A} 15'43	1°36'26
minimum elong	-11900 Mar 29 j 17:47	12° \mathbb{B} 24'19	2°40'50	morning rise	-11899 Mar 19 j 15:35	19° \mathbb{A} 55'41	
morning rise	-11900 Apr 06 j 14:36	7° \mathbb{B} 45'47		direct	-11899 Mar 21 j 20:24	19° \mathbb{A} 41'27	
direct	-11900 Apr 08 j 23:23	7° \mathbb{B} 26'07		morning max el	-11899 Mar 30 j 20:50	23° \mathbb{A} 57'45	19°11'55
morning max el	-11900 Apr 16 j 17:30	11° \mathbb{B} 09'52	18°29'33		-11899 Apr 04 j 22:36	0° \mathbb{B}	
asc. node	-11900 Apr 26 j 15:35	25° \mathbb{B} 14'18		asc. node	-11899 Apr 13 j 12:30	14° \mathbb{B} 36'50	
	-11900 Apr 29 j 06:32	0° \approx		morning set	-11899 Apr 16 j 17:09	20° \mathbb{B} 49'59	
morning set	-11900 May 02 j 21:26	6° \approx 50'30			-11899 Apr 21 j 08:09	0° \approx	
superior conj	-11900 May 12 j 06:31	24° \approx 35'34	1°43'40	superior conj	-11899 Apr 25 j 05:20	7° \approx 35'53	1°29'43
minimum elong	-11900 May 12 j 04:15	24° \approx 25'07	1°43'08	minimum elong	-11899 Apr 25 j 02:17	7° \approx 21'12	1°28'53
	-11900 May 15 j 05:40	0° \mathbb{H}		max. Earth dist.	-11899 May 01 j 11:32	19° \approx 22'13	1.38068 AU
max. Earth dist.	-11900 May 19 j 11:31	7° \mathbb{H} 30'33	1.39930 AU	evening rise	-11899 May 05 j 12:01	26° \approx 33'56	
evening rise	-11900 May 24 j 01:50	15° \mathbb{H} 20'33			-11899 May 07 j 11:29	0° \mathbb{H}	
	-11900 Jun 02 j 04:15	0° \mathbb{Y}			-11899 May 26 j 16:21	0° \mathbb{Y}	
desc. node	-11900 Jun 13 j 13:47	16° \mathbb{Y} 52'52		desc. node	-11899 May 31 j 11:14	6° \mathbb{Y} 30'56	
	-11900 Jun 23 j 14:22	0° \mathbb{B}		evening max el	-11899 Jun 10 j 06:17	18° \mathbb{Y} 01'52	24°47'17
evening max el	-11900 Jun 27 j 20:20	4° \mathbb{B} 41'01	23°26'02	retrograde	-11899 Jun 21 j 18:44	24° \mathbb{Y} 49'28	
retrograde	-11900 Jul 08 j 05:43	10° \mathbb{B} 51'22		evening set	-11899 Jun 27 j 11:40	22° \mathbb{Y} 20'10	
evening set	-11900 Jul 13 j 07:57	8° \mathbb{B} 40'51		min. Earth dist.	-11899 Jul 02 j 00:22	17° \mathbb{Y} 04'36	0.66936 AU
inferior conj	-11900 Jul 18 j 13:06	2° \mathbb{B} 25'43	-1°32'40	inferior conj	-11899 Jul 02 j 18:22	16° \mathbb{Y} 04'15	-2°12'49
minimum elong	-11900 Jul 18 j 14:51	2° \mathbb{B} 19'41	1°31'44	minimum elong	-11899 Jul 02 j 20:35	15° \mathbb{Y} 56'47	2°12'01
min. Earth dist.	-11900 Jul 18 j 06:37	2° \mathbb{B} 48'04	0.67221 AU	morning rise	-11899 Jul 08 j 05:28	9° \mathbb{Y} 58'51	
	-11900 Jul 20 j 08:17	30° \mathbb{R} \mathbb{Y}		asc. node	-11899 Jul 10 j 13:23	8° \mathbb{Y} 49'37	
morning rise	-11900 Jul 23 j 21:41	26° \mathbb{Y} 11'41		direct	-11899 Jul 11 j 22:51	8° \mathbb{Y} 38'34	
asc. node	-11900 Jul 23 j 16:34	26° \mathbb{Y} 21'57		morning max el	-11899 Jul 19 j 18:35	13° \mathbb{Y} 14'33	20°15'53
direct	-11900 Jul 28 j 01:36	24° \mathbb{Y} 34'46			-11899 Aug 01 j 10:06	0° \mathbb{B}	
morning max el	-11900 Aug 05 j 20:40	29° \mathbb{Y} 50'30	21°27'40	morning set	-11899 Aug 15 j 18:13	21° \mathbb{B} 52'45	
	-11900 Aug 06 j 00:20	0° \mathbb{B}			-11899 Aug 20 j 22:48	0° \mathbb{H}	
	-11900 Aug 27 j 22:46	0° \mathbb{H}		max. Earth dist.	-11899 Aug 26 j 21:06	9° \mathbb{H} 24'57	1.43705 AU
morning set	-11900 Sep 05 j 14:55	13° \mathbb{H} 23'34		desc. node	-11899 Aug 27 j 08:10	10° \mathbb{H} 09'22	
desc. node	-11900 Sep 09 j 11:01	19° \mathbb{H} 29'38		superior conj	-11899 Sep 01 j 00:17	17° \mathbb{H} 43'31	-0°27'49
max. Earth dist.	-11900 Sep 13 j 10:26	25° \mathbb{H} 56'47	1.42333 AU	minimum elong	-11899 Aug 31 j 21:32	17° \mathbb{H} 32'16	0°26'49
	-11900 Sep 15 j 21:16	0° \mathbb{B}			-11899 Sep 08 j 09:29	0° \mathbb{B}	
superior conj	-11900 Sep 20 j 12:03	7° \mathbb{B} 48'02	-1°03'00	evening rise	-11899 Sep 14 j 03:57	9° \mathbb{B} 51'02	
minimum elong	-11900 Sep 20 j 07:49	7° \mathbb{B} 29'52	1°01'52		-11899 Sep 26 j 05:57	0° \mathbb{B}	
evening rise	-11900 Oct 01 j 18:12	27° \mathbb{B} 43'29		evening max el	-11899 Oct 01 j 19:32	7° \mathbb{B} 10'03	18°12'34
	-11900 Oct 03 j 00:24	0° \mathbb{B}		asc. node	-11899 Oct 06 j 13:23	10° \mathbb{B} 25'33	
evening max el	-11900 Oct 18 j 06:06	23° \mathbb{B} 49'17	18°07'33	retrograde	-11899 Oct 08 j 10:19	10° \mathbb{B} 43'37	
asc. node	-11900 Oct 19 j 16:10	25° \mathbb{B} 06'44		evening set	-11899 Oct 11 j 02:27	10° \mathbb{B} 07'11	
retrograde	-11900 Oct 25 j 02:45	27° \mathbb{B} 22'34		inferior conj	-11899 Oct 17 j 12:57	4° \mathbb{B} 44'43	3°03'32
evening set	-11900 Oct 27 j 15:26	26° \mathbb{B} 53'47		minimum elong	-11899 Oct 17 j 09:12	4° \mathbb{B} 54'42	3°03'06
inferior conj	-11900 Nov 03 j 12:53	21° \mathbb{B} 50'30	3°44'25	min. Earth dist.	-11899 Oct 19 j 22:34	2° \mathbb{B} 11'37	0.63198 AU
minimum elong	-11900 Nov 03 j 09:15	21° \mathbb{B} 59'06	3°44'11		-11899 Oct 22 j 04:48	30° \mathbb{R} \mathbb{B}	

Attention, astronomical year style is used: The year -12400 in astronomical counting style is the year 12401 BCE in historical counting style.

morning rise	-11899 Oct 23 j 15:06	28° <u>5</u> 49'02	
direct	-11899 Oct 30 j 15:29	26° <u>5</u> 08'39	
	-11899 Nov 09 j 00:56	0° <u>0</u>	
morning max el	-11899 Nov 13 j 06:45	3° <u>0</u> 40'27	27°32'28
desc. node	-11899 Nov 23 j 08:25	15° <u>0</u> 26'40	
	-11899 Dec 03 j 04:21	0° <u>0</u>	
morning set	-11899 Dec 17 j 08:32	25° <u>0</u> 39'16	
	-11899 Dec 19 j 11:55	0° <u>0</u>	
max. Earth dist.	-11899 Dec 22 j 18:26	6° <u>0</u> 50'09	1.33442 AU
superior conj	-11899 Dec 24 j 22:36	11° <u>0</u> 28'36	-1°11'42
minimum elong	-11899 Dec 25 j 00:41	11° <u>0</u> 39'47	1°11'31
evening rise	-11898 Jan 01 j 01:04	26° <u>0</u> 41'37	
asc. node	-11898 Jan 02 j 11:06	29° <u>0</u> 38'35	
	-11898 Jan 02 j 15:16	0° <u>0</u>	