

Planetary Phenomena of Venus from -201 through -100 (UT), Astrodienst AG 24-Mai-2003 10:46, page 3

Attention, astronomical year style is used: The year -201 in astronomical counting style is the year 202 BCE in historical counting style.

	-191 Jan 14 j 09:45	0°♄			-189 Jul 20 j 07:36	0°♁		
asc. node	-191 Feb 01 j 06:51	21°♄04'19			-189 Aug 13 j 17:34	0°♁		
	-191 Feb 09 j 01:10	0°♃		morning set	-189 Sep 06 j 04:42	29°♁11'34		
	-191 Mar 08 j 15:06	0°♃			-189 Sep 06 j 20:12	0°♃		
evening max el	-191 Mar 16 j 01:55	7°♃26'28	45°37'45		-189 Sep 30 j 18:18	0°♁		
	-191 Apr 12 j 06:57	0°♁		max. Earth dist.	-189 Oct 13 j 13:57	16°♁07'32	1.71181 AU	
greatest brilliancy	-191 Apr 19 j 05:08	3°♁51'23	-4.5m					
retrograde	-191 May 03 j 19:43	7°♁33'43		superior conj	-189 Oct 14 j 20:32	17°♁43'47	0°54'23	
evening set	-191 May 18 j 20:44	3°♁11'31		minimum elong	-189 Oct 15 j 07:12	18°♁17'19	0°53'59	
desc. node	-191 May 23 j 20:38	0°♁13'57			-189 Oct 24 j 14:33	0°♁		
	-191 May 24 j 05:35	30°♃		desc. node	-189 Nov 08 j 15:57	18°♁56'58		
inferior conj	-191 May 25 j 06:26	29°♃21'09	0°-19'-44		-189 Nov 17 j 10:51	0°♃		
minimum elong	-191 May 25 j 05:42	29°♃22'17	0°19'31	evening rise	-189 Nov 25 j 04:46	9°♃43'58		
min. Earth dist.	-191 May 25 j 10:44	29°♃14'24	0.28988 AU		-189 Dec 11 j 08:23	0°♁		
morning rise	-191 May 31 j 14:40	25°♃32'45			-188 Jan 04 j 08:22	0°♁		
direct	-191 Jun 15 j 23:51	21°♃02'16			-188 Jan 28 j 12:51	0°♄		
greatest brilliancy	-191 Jun 29 j 21:32	24°♃24'47	-4.5m		-188 Feb 22 j 01:05	0°♃		
	-191 Jul 09 j 17:53	0°♁		asc. node	-188 Feb 29 j 18:46	9°♃21'13		
morning max el	-191 Aug 04 j 01:48	21°♁14'05	45°59'45		-188 Mar 18 j 01:47	0°♃		
	-191 Aug 12 j 21:00	0°♁			-188 Apr 12 j 22:38	0°♁		
	-191 Sep 09 j 10:14	0°♁			-188 May 10 j 09:17	0°♁		
asc. node	-191 Sep 13 j 23:43	5°♁13'58		evening max el	-188 May 25 j 15:42	15°♁17'31	45°20'46	
	-191 Oct 04 j 23:48	0°♃			-188 Jun 11 j 08:46	0°♁		
	-191 Oct 29 j 14:50	0°♁		desc. node	-188 Jun 20 j 08:38	6°♁30'08		
	-191 Nov 22 j 19:14	0°♁		greatest brilliancy	-188 Jul 01 j 01:58	12°♁15'04	-4.5m	
	-191 Dec 16 j 19:48	0°♃		retrograde	-188 Jul 13 j 06:15	14°♁52'26		
desc. node	-190 Jan 03 j 13:35	22°♃10'21		evening set	-188 Jul 30 j 11:00	9°♁22'21		
	-190 Jan 09 j 20:02	0°♁		inferior conj	-188 Aug 03 j 13:09	6°♁54'27	-8°-8'-44	
	-190 Feb 02 j 21:34	0°♁		minimum elong	-188 Aug 03 j 06:07	7°♁05'18	8°07'59	
morning set	-190 Feb 07 j 01:53	5°♁12'01		min. Earth dist.	-188 Aug 03 j 22:57	6°♁39'23	0.28375 AU	
	-190 Feb 27 j 01:09	0°♄		morning rise	-188 Aug 07 j 00:56	4°♁46'48		
					-188 Aug 17 j 01:42	30°♁		
superior conj	-190 Mar 18 j 07:15	23°♄49'38	-1°-15'-45	direct	-188 Aug 24 j 22:06	28°♁45'53		
minimum elong	-190 Mar 18 j 15:25	24°♄14'51	1°15'35		-188 Sep 02 j 01:24	0°♁		
max. Earth dist.	-190 Mar 21 j 07:06	27°♄31'32	1.72986 AU	greatest brilliancy	-188 Sep 08 j 10:05	2°♁29'09	-4.6m	
	-190 Mar 23 j 07:13	0°♃		asc. node	-188 Oct 11 j 11:24	28°♁25'16		
	-190 Apr 16 j 15:54	0°♃			-188 Oct 13 j 01:30	0°♃		
evening rise	-190 Apr 25 j 00:10	10°♃14'47		morning max el	-188 Oct 14 j 05:32	1°♃10'29	46°41'07	
asc. node	-190 Apr 26 j 16:28	12°♃18'25			-188 Nov 09 j 19:13	0°♁		
	-190 May 11 j 03:03	0°♁			-188 Dec 05 j 08:48	0°♁		
	-190 Jun 04 j 16:29	0°♁			-188 Dec 30 j 03:48	0°♃		
	-190 Jun 29 j 08:46	0°♁			-187 Jan 23 j 16:10	0°♁		
desc. node	-190 Jul 24 j 05:35	0°♃		desc. node	-187 Jan 31 j 01:30	9°♁03'58		
	-190 Aug 16 j 06:20	27°♃27'16			-187 Feb 17 j 02:40	0°♁		
	-190 Aug 18 j 10:01	0°♁			-187 Mar 13 j 13:06	0°♄		
	-190 Sep 13 j 03:45	0°♁			-187 Apr 07 j 00:00	0°♃		
	-190 Oct 10 j 01:22	0°♃		morning set	-187 Apr 19 j 10:13	15°♃14'08		
evening max el	-190 Oct 22 j 02:07	12°♃34'17	47°23'06		-187 May 01 j 11:13	0°♃		
	-190 Nov 09 j 16:59	0°♁		asc. node	-187 May 24 j 04:23	27°♃52'06		
greatest brilliancy	-190 Nov 29 j 10:55	13°♁12'17	-4.7m	max. Earth dist.	-187 May 24 j 14:24	28°♃22'50	1.73656 AU	
asc. node	-190 Dec 07 j 09:04	15°♁43'26						
retrograde	-190 Dec 11 j 23:29	16°♁08'44		superior conj	-187 May 25 j 23:19	0°♁03'54	0°04'16	
evening set	-190 Dec 27 j 05:32	11°♁29'09		minimum elong	-187 May 25 j 22:27	0°♁01'15	0°04'14	
min. Earth dist.	-190 Dec 31 j 16:18	8°♁48'58	0.26928 AU	behind sun begin	-187 May 25 j 00:47	28°♃54'42		
inferior conj	-189 Jan 01 j 16:04	8°♁12'00	5°54'45	behind sun end	-187 May 26 j 20:08	1°♁07'49		
minimum elong	-189 Jan 01 j 06:03	8°♁27'36	5°52'24		-187 May 25 j 22:03	0°♁		
morning rise	-189 Jan 06 j 07:09	5°♁24'03			-187 Jun 19 j 07:40	0°♁		
direct	-189 Jan 22 j 03:13	0°♁28'57		evening rise	-187 Jun 30 j 17:59	14°♁04'47		
greatest brilliancy	-189 Feb 01 j 17:08	2°♁34'20	-4.6m		-187 Jul 13 j 15:53	0°♁		
	-189 Mar 10 j 18:48	0°♁			-187 Aug 06 j 23:28	0°♃		
morning max el	-189 Mar 12 j 15:29	1°♁48'22	46°16'49		-187 Aug 31 j 07:49	0°♁		
desc. node	-189 Mar 28 j 23:03	18°♁27'12		desc. node	-187 Sep 12 j 18:13	15°♁16'32		
	-189 Apr 08 j 16:33	0°♄			-187 Sep 24 j 18:32	0°♁		
	-189 May 05 j 10:16	0°♃			-187 Oct 19 j 09:34	0°♃		
	-189 May 31 j 06:02	0°♃			-187 Nov 13 j 09:04	0°♁		
	-189 Jun 25 j 12:15	0°♁			-187 Dec 09 j 04:28	0°♁		
asc. node	-189 Jul 20 j 02:01	29°♁42'58		evening max el	-186 Jan 01 j 13:10	25°♁14'22	46°53'01	

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asc. node	-186 Jan 03 j 21:05	27° \approx 35'12			-184 Jul 28 j 10:37	0° Ω	
	-186 Jan 06 j 07:37	0° H					
greatest brilliancy	-186 Feb 06 j 18:32	24° H 35'21	-4.6m	superior conj	-184 Aug 01 j 04:33	4° Ω 39'04	1°17'44
retrograde	-186 Feb 21 j 03:05	28° H 21'08		minimum elong	-184 Jul 31 j 22:02	4° Ω 18'51	1°17'36
evening set	-186 Mar 10 j 17:01	22° H 20'49			-184 Aug 21 j 13:13	0° M	
inferior conj	-186 Mar 14 j 09:19	20° H 02'44	7°50'36	evening rise	-184 Sep 07 j 06:23	20° M 51'50	
minimum elong	-186 Mar 14 j 16:24	19° H 51'30	7°49'46		-184 Sep 14 j 13:52	0° Ω	
min. Earth dist.	-186 Mar 14 j 05:14	20° H 09'12	0.28657 AU		-184 Oct 08 j 14:15	0° M	
morning rise	-186 Mar 18 j 15:59	17° H 23'20		desc. node	-184 Oct 10 j 06:08	2° M 04'32	
direct	-186 Apr 04 j 15:06	11° H 49'41			-184 Nov 01 j 15:35	0° H	
greatest brilliancy	-186 Apr 16 j 13:34	14° H 22'40	-4.5m		-184 Nov 25 j 19:10	0° Ω	
desc. node	-186 Apr 25 j 10:47	18° H 56'41			-184 Dec 20 j 03:42	0° \approx	
	-186 May 10 j 10:35	0° Y			-183 Jan 13 j 22:53	0° H	
morning max el	-186 May 23 j 11:50	11° Y 45'03	45°46'21	asc. node	-183 Jan 31 j 08:51	20° H 29'04	
	-186 Jun 10 j 14:52	0° B			-183 Feb 08 j 16:04	0° Y	
	-186 Jul 07 j 23:57	0° II			-183 Mar 08 j 10:46	0° B	
	-186 Aug 02 j 21:13	0° Ω		evening max el	-183 Mar 13 j 17:27	5° B 14'27	45°39'42
asc. node	-186 Aug 16 j 13:54	16° Ω 20'02			-183 Apr 13 j 13:30	0° II	
	-186 Aug 27 j 21:00	0° Ω		greatest brilliancy	-183 Apr 16 j 22:14	1° II 44'23	-4.5m
	-186 Sep 21 j 06:25	0° M		retrograde	-183 May 01 j 11:53	5° II 26'12	
	-186 Oct 15 j 07:07	0° Ω		evening set	-183 May 16 j 14:04	1° II 03'08	
	-186 Nov 08 j 03:45	0° M			-183 May 18 j 10:33	30° B	
morning set	-186 Nov 19 j 07:15	14° M 02'06		inferior conj	-183 May 22 j 23:02	27° B 13'30	0°00'-10
	-186 Dec 01 j 23:34	0° H		minimum elong	-183 May 22 j 23:02	27° B 13'31	0°00'11
desc. node	-186 Dec 06 j 03:47	5° H 15'21		transit begin	-183 May 22 j 18:59	27° B 19'53	
	-186 Dec 25 j 20:18	0° Ω		transit end	-183 May 23 j 03:06	27° B 07'09	
				desc. node	-183 May 22 j 22:44	27° B 13'59	
superior conj	-186 Dec 31 j 06:43	6° Ω 49'12	0°-54'-56	min. Earth dist.	-183 May 23 j 03:41	27° B 06'13	0.28990 AU
minimum elong	-186 Dec 30 j 19:02	6° Ω 12'33	0°54'30	morning rise	-183 May 29 j 07:57	23° B 23'42	
max. Earth dist.	-185 Jan 03 j 19:55	11° Ω 16'19	1.71393 AU	direct	-183 Jun 13 j 16:16	18° B 54'38	
	-185 Jan 18 j 18:56	0° \approx		greatest brilliancy	-183 Jun 27 j 11:58	22° B 14'20	-4.5m
evening rise	-185 Feb 10 j 03:52	27° \approx 53'49			-183 Jul 10 j 12:15	0° II	
	-185 Feb 11 j 20:29	0° H		morning max el	-183 Aug 01 j 16:29	19° II 00'32	45°58'30
	-185 Mar 08 j 02:15	0° Y			-183 Aug 12 j 15:53	0° Ω	
asc. node	-185 Mar 29 j 06:41	25° Y 59'05			-183 Sep 09 j 00:52	0° Ω	
	-185 Apr 01 j 13:40	0° B		asc. node	-183 Sep 13 j 01:42	4° Ω 38'31	
	-185 Apr 26 j 08:11	0° II			-183 Oct 04 j 12:48	0° M	
	-185 May 21 j 12:00	0° Ω			-183 Oct 29 j 03:03	0° Ω	
	-185 Jun 16 j 05:44	0° Ω			-183 Nov 22 j 07:01	0° M	
	-185 Jul 13 j 00:41	0° M		desc. node	-183 Dec 16 j 07:16	0° H	
desc. node	-185 Jul 18 j 20:29	6° M 15'58		desc. node	-182 Jan 02 j 15:40	21° H 41'33	
evening max el	-185 Aug 07 j 09:27	26° M 14'02	46°19'37		-182 Jan 09 j 07:17	0° Ω	
	-185 Aug 11 j 08:16	0° Ω			-182 Feb 02 j 08:40	0° \approx	
greatest brilliancy	-185 Sep 15 j 11:38	25° Ω 09'12	-4.6m	morning set	-182 Feb 04 j 13:30	2° \approx 44'24	
retrograde	-185 Sep 25 j 23:47	27° Ω 10'02			-182 Feb 26 j 12:07	0° H	
evening set	-185 Oct 11 j 18:54	22° Ω 20'54					
inferior conj	-185 Oct 16 j 14:14	19° Ω 30'37	-5°-35'-18	superior conj	-182 Mar 15 j 22:16	21° H 34'06	-1°-17'-17
minimum elong	-185 Oct 17 j 00:37	19° Ω 14'52	5°32'42	minimum elong	-182 Mar 16 j 05:59	21° H 57'56	1°17'08
min. Earth dist.	-185 Oct 17 j 04:59	19° Ω 08'15	0.26697 AU	max. Earth dist.	-182 Mar 19 j 01:23	25° H 26'07	1.72934 AU
morning rise	-185 Oct 22 j 06:00	16° Ω 12'04			-182 Mar 22 j 18:06	0° Y	
direct	-185 Nov 06 j 04:00	11° Ω 48'50			-182 Apr 16 j 02:45	0° B	
asc. node	-185 Nov 08 j 23:17	11° Ω 58'21		evening rise	-182 Apr 22 j 17:29	8° B 07'18	
greatest brilliancy	-185 Nov 19 j 03:40	14° Ω 58'13	-4.7m	asc. node	-182 Apr 25 j 18:38	11° B 51'43	
	-185 Dec 10 j 19:26	0° M			-182 May 10 j 13:58	0° II	
morning max el	-185 Dec 26 j 22:06	15° M 20'39	46°53'55		-182 Jun 04 j 03:38	0° Ω	
	-184 Jan 09 j 19:39	0° H			-182 Jun 28 j 20:22	0° Ω	
	-184 Feb 05 j 11:02	0° Ω		desc. node	-182 Jul 23 j 17:54	0° M	
desc. node	-184 Feb 28 j 13:17	27° Ω 00'49		desc. node	-182 Aug 15 j 08:16	26° M 53'37	
	-184 Mar 02 j 01:56	0° \approx			-182 Aug 17 j 23:29	0° Ω	
	-184 Mar 27 j 06:34	0° H			-182 Sep 12 j 19:12	0° M	
	-184 Apr 21 j 05:54	0° Y			-182 Oct 09 j 21:08	0° H	
	-184 May 16 j 01:30	0° B		evening max el	-182 Oct 19 j 15:09	10° H 07'15	47°22'14
	-184 Jun 09 j 17:11	0° II			-182 Nov 10 j 06:11	0° Ω	
asc. node	-184 Jun 20 j 16:16	13° II 24'51		greatest brilliancy	-182 Nov 27 j 03:09	10° Ω 47'53	-4.7m
morning set	-184 Jun 25 j 19:03	19° II 41'27		asc. node	-182 Dec 06 j 11:14	13° Ω 29'58	
	-184 Jul 04 j 04:17	0° Ω		retrograde	-182 Dec 09 j 12:25	13° Ω 41'13	
max. Earth dist.	-184 Jul 28 j 06:44	29° Ω 47'57	1.72675 AU	evening set	-182 Dec 24 j 15:52	9° Ω 06'22	

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min. Earth dist.	-182 Dec 29 j 06:19	6°☾21'21	0.26868 AU	minimum elong	-179 May 23 j 17:21	27°♄58'17	0°01'06
inferior conj	-182 Dec 30 j 05:11	5°☾45'48	5°37'18	behind sun begin	-179 May 22 j 19:04	26°♄49'52	
minimum elong	-182 Dec 29 j 19:18	6°☾01'11	5°34'54	behind sun end	-179 May 24 j 15:38	29°♄06'42	
morning rise	-181 Jan 03 j 23:15	2°☾53'41		asc. node	-179 May 23 j 06:30	27°♄24'55	
	-181 Jan 09 j 21:06	30°♁			-179 May 25 j 09:00	0°♂	
direct	-181 Jan 19 j 15:11	28°♁03'31			-179 Jun 18 j 18:41	0°♄	
	-181 Jan 29 j 19:52	0°☾		evening rise	-179 Jun 28 j 13:02	12°♄01'34	
greatest brilliancy	-181 Jan 30 j 07:35	0°☾10'54	-4.6m		-179 Jul 13 j 03:02	0°♂	
morning max el	-181 Mar 10 j 04:07	29°☾24'55	46°18'21		-179 Aug 06 j 10:51	0°♎	
	-181 Mar 10 j 18:26	0°♁			-179 Aug 30 j 19:35	0°♌	
desc. node	-181 Mar 28 j 01:09	17°♁44'17		desc. node	-179 Sep 11 j 20:20	14°♌46'09	
	-181 Apr 08 j 08:58	0°♁			-179 Sep 24 j 06:51	0°♍	
	-181 May 05 j 00:02	0°♂			-179 Oct 18 j 22:39	0°♁	
	-181 May 30 j 18:28	0°♄			-179 Nov 12 j 23:25	0°☾	
	-181 Jun 24 j 23:56	0°♂			-179 Dec 08 j 21:20	0°♁	
asc. node	-181 Jul 19 j 04:04	29°♂14'52		evening max el	-179 Dec 30 j 05:10	22°♁57'26	46°55'24
	-181 Jul 19 j 18:52	0°♄		asc. node	-178 Jan 02 j 23:03	26°♁42'45	
	-181 Aug 13 j 04:37	0°♂			-178 Jan 06 j 08:01	0°♁	
morning set	-181 Sep 03 j 19:53	26°♂54'36		greatest brilliancy	-178 Feb 04 j 11:21	22°♁21'13	-4.6m
	-181 Sep 06 j 07:13	0°♎		retrograde	-178 Feb 18 j 19:52	26°♁06'31	
	-181 Sep 30 j 05:22	0°♌		evening set	-178 Mar 08 j 11:02	20°♁02'53	
max. Earth dist.	-181 Oct 10 j 23:30	13°♌31'38	1.71217 AU	min. Earth dist.	-178 Mar 11 j 19:37	17°♁56'50	0.28620 AU
				inferior conj	-178 Mar 12 j 01:08	17°♁48'06	7°58'39
superior conj	-181 Oct 12 j 08:38	15°♌15'54	0°57'13	minimum elong	-178 Mar 12 j 07:43	17°♁37'40	7°57'57
minimum elong	-181 Oct 12 j 19:22	15°♌49'40	0°56'49	morning rise	-178 Mar 16 j 04:38	15°♁13'39	
	-181 Oct 24 j 01:41	0°♍		direct	-178 Apr 02 j 06:49	9°♁35'51	
desc. node	-181 Nov 07 j 18:07	18°♍28'31		greatest brilliancy	-178 Apr 14 j 02:13	12°♁06'31	-4.5m
	-181 Nov 16 j 22:05	0°♁		desc. node	-178 Apr 24 j 12:56	17°♁38'15	
evening rise	-181 Nov 22 j 14:22	7°♁08'03			-178 May 10 j 16:13	0°♂	
	-181 Dec 10 j 19:43	0°☾		morning max el	-178 May 21 j 04:13	9°♂35'07	45°46'40
	-180 Jan 03 j 19:50	0°♁			-178 Jun 10 j 08:26	0°♄	
	-180 Jan 28 j 00:30	0°♁			-178 Jul 07 j 14:11	0°♂	
	-180 Feb 21 j 13:07	0°♂			-178 Aug 02 j 09:59	0°♄	
asc. node	-180 Feb 28 j 20:47	8°♂50'26		asc. node	-178 Aug 15 j 15:53	15°♄49'01	
	-180 Mar 17 j 14:37	0°♄			-178 Aug 27 j 09:00	0°♂	
	-180 Apr 12 j 13:07	0°♂			-178 Sep 20 j 18:02	0°♎	
	-180 May 10 j 03:47	0°♄			-178 Oct 14 j 18:32	0°♌	
evening max el	-180 May 23 j 06:39	13°♄04'03	45°20'08		-178 Nov 07 j 15:04	0°♍	
	-180 Jun 11 j 21:04	0°♂		morning set	-178 Nov 16 j 18:06	11°♍29'35	
desc. node	-180 Jun 19 j 10:45	5°♂12'34			-178 Dec 01 j 10:50	0°♁	
greatest brilliancy	-180 Jun 28 j 12:33	9°♂56'41	-4.5m	desc. node	-178 Dec 05 j 05:53	4°♁46'29	
retrograde	-180 Jul 10 j 21:24	12°♂38'27			-178 Dec 25 j 07:32	0°☾	
evening set	-180 Jul 27 j 22:22	7°♂12'36					
inferior conj	-180 Aug 01 j 04:06	4°♂39'34	-8°00'-21	superior conj	-178 Dec 28 j 16:31	4°☾14'06	0°-51'-49
minimum elong	-180 Jul 31 j 20:30	4°♂51'15	7°59'28	minimum elong	-178 Dec 28 j 05:05	3°☾38'15	0°51'23
min. Earth dist.	-180 Aug 01 j 13:00	4°♂25'52	0.28417 AU	max. Earth dist.	-177 Jan 01 j 06:35	8°☾44'02	1.71356 AU
morning rise	-180 Aug 04 j 18:21	2°♂28'24			-177 Jan 18 j 06:09	0°♁	
	-180 Aug 09 j 05:54	30°♄		evening rise	-177 Feb 07 j 15:54	25°♁27'05	
direct	-180 Aug 22 j 13:41	26°♄30'17			-177 Feb 11 j 07:43	0°♁	
	-180 Sep 05 j 14:03	0°♂			-177 Mar 07 j 13:33	0°♂	
greatest brilliancy	-180 Sep 06 j 02:41	0°♂15'00	-4.6m	asc. node	-177 Mar 28 j 08:49	25°♂30'36	
asc. node	-180 Oct 10 j 13:35	27°♂33'35			-177 Apr 01 j 01:10	0°♄	
morning max el	-180 Oct 11 j 21:00	28°♂52'24	46°39'50		-177 Apr 25 j 20:07	0°♂	
	-180 Oct 12 j 23:43	0°♎			-177 May 21 j 00:43	0°♄	
	-180 Nov 09 j 11:24	0°♌			-177 Jun 15 j 19:56	0°♂	
	-180 Dec 04 j 22:49	0°♍			-177 Jul 12 j 18:01	0°♎	
	-180 Dec 29 j 16:45	0°♁		desc. node	-177 Jul 17 j 22:26	5°♎32'21	
	-179 Jan 23 j 04:27	0°☾		evening max el	-177 Aug 04 j 23:13	23°♎53'05	46°16'48
desc. node	-179 Jan 30 j 03:28	8°☾32'50			-177 Aug 11 j 10:56	0°♌	
	-179 Feb 16 j 14:29	0°♁		greatest brilliancy	-177 Sep 13 j 00:49	22°♌43'18	-4.6m
	-179 Mar 13 j 00:31	0°♁		retrograde	-177 Sep 23 j 11:34	24°♌42'22	
	-179 Apr 06 j 11:09	0°♂		evening set	-177 Oct 09 j 10:28	19°♌49'07	
morning set	-179 Apr 17 j 03:25	13°♂05'42		inferior conj	-177 Oct 14 j 02:36	17°♌03'02	-5°-53'-37
	-179 Apr 30 j 22:13	0°♄		minimum elong	-177 Oct 14 j 13:11	16°♌46'57	5°51'04
max. Earth dist.	-179 May 22 j 13:28	26°♄32'41	1.73664 AU	min. Earth dist.	-177 Oct 14 j 18:15	16°♌39'15	0.26742 AU
				morning rise	-177 Oct 19 j 15:33	13°♌47'56	
superior conj	-179 May 23 j 17:35	27°♄58'58	0°01'07	direct	-177 Nov 03 j 17:01	9°♌20'43	

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Attention, astronomical year style is used: The year -201 in astronomical counting style is the year 202 BCE in historical counting style.

asc. node	-177 Nov 08 j 01:21	9°♁43'16		-174 May 10 j 00:59	0°♁	
greatest brilliancy	-177 Nov 16 j 17:33	12°♁30'35	-4.7m	-174 Jun 03 j 14:55	0°♁	
	-177 Dec 11 j 03:07	0°♁		-174 Jun 28 j 08:06	0°♁	
morning max el	-177 Dec 24 j 10:51	12°♁52'25	46°54'26	-174 Jul 23 j 06:23	0°♁	
	-176 Jan 09 j 14:25	0°♁		desc. node	-174 Aug 14 j 10:23	26°♁20'07
	-176 Feb 05 j 02:07	0°♁			-174 Aug 17 j 13:09	0°♁
desc. node	-176 Feb 27 j 15:25	26°♁27'09			-174 Sep 12 j 10:58	0°♁
	-176 Mar 01 j 15:18	0°♁			-174 Oct 09 j 17:36	0°♁
	-176 Mar 26 j 18:58	0°♁		evening max el	-174 Oct 17 j 04:03	7°♁39'50 47°21'18
	-176 Apr 20 j 17:42	0°♁			-174 Nov 10 j 23:53	0°♁
	-176 May 15 j 12:53	0°♁		greatest brilliancy	-174 Nov 24 j 18:40	8°♁22'09 -4.7m
	-176 Jun 09 j 04:18	0°♁		asc. node	-174 Dec 05 j 13:16	11°♁10'39
asc. node	-176 Jun 19 j 18:16	12°♁57'10		retrograde	-174 Dec 07 j 01:41	11°♁13'28
morning set	-176 Jun 23 j 13:07	17°♁35'48		evening set	-174 Dec 22 j 02:16	6°♁42'43
	-176 Jul 03 j 15:16	0°♁		min. Earth dist.	-174 Dec 26 j 20:12	3°♁53'19 0.26810 AU
max. Earth dist.	-176 Jul 25 j 22:55	27°♁35'13	1.72731 AU	inferior conj	-174 Dec 27 j 18:14	3°♁19'11 5°19'07
	-176 Jul 27 j 21:36	0°♁		minimum elong	-174 Dec 27 j 08:31	3°♁34'14 5°16'39
				morning rise	-173 Jan 01 j 15:16	0°♁23'10
superior conj	-176 Jul 29 j 22:01	2°♁30'13	1°16'24		-173 Jan 02 j 07:50	30°♁
minimum elong	-176 Jul 29 j 15:05	2°♁08'39	1°16'15	direct	-173 Jan 17 j 03:07	25°♁37'31
	-176 Aug 21 j 00:19	0°♁		greatest brilliancy	-173 Jan 27 j 22:02	27°♁47'18 -4.6m
evening rise	-176 Sep 04 j 21:03	18°♁32'44			-173 Feb 01 j 19:39	0°♁
	-176 Sep 14 j 01:09	0°♁		morning max el	-173 Mar 07 j 17:42	27°♁03'57 46°20'05
	-176 Oct 08 j 01:45	0°♁			-173 Mar 10 j 16:59	0°♁
desc. node	-176 Oct 09 j 08:18	1°♁35'21		desc. node	-173 Mar 27 j 03:19	17°♁02'26
	-176 Nov 01 j 03:19	0°♁			-173 Apr 08 j 00:58	0°♁
	-176 Nov 25 j 07:11	0°♁			-173 May 04 j 13:33	0°♁
	-176 Dec 19 j 16:11	0°♁			-173 May 30 j 06:44	0°♁
asc. node	-175 Jan 13 j 12:14	0°♁			-173 Jun 24 j 11:31	0°♁
	-175 Jan 30 j 10:53	19°♁53'17		asc. node	-173 Jul 18 j 06:07	28°♁46'51
	-175 Feb 08 j 07:19	0°♁			-173 Jul 19 j 06:05	0°♁
	-175 Mar 08 j 07:18	0°♁			-173 Aug 12 j 15:40	0°♁
evening max el	-175 Mar 11 j 08:17	3°♁00'00	45°41'32	morning set	-173 Sep 01 j 11:09	24°♁38'06
greatest brilliancy	-175 Apr 14 j 14:21	29°♁35'13	-4.5m		-173 Sep 05 j 18:12	0°♁
	-175 Apr 15 j 11:38	0°♁			-173 Sep 29 j 16:21	0°♁
retrograde	-175 Apr 29 j 04:00	3°♁18'00		max. Earth dist.	-173 Oct 08 j 10:54	11°♁01'49 1.71252 AU
	-175 May 12 j 04:19	30°♁				
evening set	-175 May 14 j 07:31	28°♁53'32		superior conj	-173 Oct 09 j 20:48	12°♁48'28 0°59'56
inferior conj	-175 May 20 j 15:41	25°♁05'05	0°19'22	minimum elong	-173 Oct 10 j 07:31	13°♁22'11 0°59'33
minimum elong	-175 May 20 j 16:24	25°♁03'58	0°19'09		-173 Oct 23 j 12:45	0°♁
min. Earth dist.	-175 May 20 j 20:54	24°♁56'53	0.28996 AU	desc. node	-173 Nov 06 j 20:08	17°♁59'49
desc. node	-175 May 22 j 00:49	24°♁13'08			-173 Nov 16 j 09:15	0°♁
morning rise	-175 May 27 j 01:08	21°♁14'07		evening rise	-173 Nov 20 j 00:03	4°♁32'36
direct	-175 Jun 11 j 08:16	16°♁46'02			-173 Dec 10 j 07:00	0°♁
greatest brilliancy	-175 Jun 25 j 03:31	20°♁04'23	-4.5m		-172 Jan 03 j 07:14	0°♁
	-175 Jul 11 j 02:21	0°♁			-172 Jan 27 j 12:05	0°♁
morning max el	-175 Jul 30 j 07:16	16°♁46'29	45°57'23		-172 Feb 21 j 01:03	0°♁
	-175 Aug 12 j 10:33	0°♁		asc. node	-172 Feb 27 j 23:00	8°♁20'38
	-175 Sep 08 j 15:33	0°♁			-172 Mar 17 j 03:20	0°♁
asc. node	-175 Sep 12 j 03:56	4°♁03'26			-172 Apr 12 j 03:32	0°♁
	-175 Oct 04 j 01:55	0°♁			-172 May 09 j 22:28	0°♁
	-175 Oct 28 j 15:24	0°♁		evening max el	-172 May 20 j 22:33	10°♁53'43 45°19'28
	-175 Nov 21 j 18:55	0°♁			-172 Jun 12 j 13:03	0°♁
	-175 Dec 15 j 18:52	0°♁		desc. node	-172 Jun 18 j 12:42	3°♁53'05
desc. node	-174 Jan 01 j 17:39	21°♁12'02		greatest brilliancy	-172 Jun 25 j 23:36	7°♁39'48 -4.5m
	-174 Jan 08 j 18:39	0°♁		retrograde	-172 Jul 08 j 12:40	10°♁25'19
	-174 Feb 01 j 19:50	0°♁		evening set	-172 Jul 25 j 09:53	5°♁03'58
morning set	-174 Feb 02 j 01:20	0°♁17'09		inferior conj	-172 Jul 29 j 19:11	2°♁25'36 -7°-51'-13
	-174 Feb 25 j 23:08	0°♁		minimum elong	-172 Jul 29 j 11:04	2°♁38'04 7°50'13
				min. Earth dist.	-172 Jul 30 j 03:04	2°♁13'27 0.28459 AU
superior conj	-174 Mar 13 j 13:34	19°♁19'19	-1°-18'-40	morning rise	-172 Aug 02 j 12:01	0°♁10'39
minimum elong	-174 Mar 13 j 20:48	19°♁41'39	1°18'34		-172 Aug 02 j 19:15	30°♁
max. Earth dist.	-174 Mar 16 j 18:41	23°♁17'36	1.72883 AU	direct	-172 Aug 20 j 05:51	24°♁15'45
	-174 Mar 22 j 05:01	0°♁		greatest brilliancy	-172 Sep 03 j 18:31	28°♁00'33 -4.6m
	-174 Apr 15 j 13:40	0°♁			-172 Sep 07 j 12:52	0°♁
evening rise	-174 Apr 20 j 10:57	6°♁00'04		morning max el	-172 Oct 09 j 12:47	26°♁35'45 46°38'28
asc. node	-174 Apr 24 j 20:43	11°♁24'33		asc. node	-172 Oct 09 j 15:38	26°♁42'57

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Attention, astronomical year style is used: The year -201 in astronomical counting style is the year 202 BCE in historical counting style.

	-172 Oct 12 j 20:58	0°♎			-169 May 20 j 13:06	0°♁		
	-172 Nov 09 j 03:11	0°♏			-169 Jun 15 j 09:49	0°♂		
	-172 Dec 04 j 12:32	0°♐			-169 Jul 12 j 11:11	0°♑		
	-172 Dec 29 j 05:25	0°♒			-169 Jul 17 j 00:36	4°♎50'17		
	-171 Jan 22 j 16:29	0°♓		desc. node	-169 Aug 02 j 12:07	21°♎31'42	46°13'58	
desc. node	-171 Jan 29 j 05:34	8°♓02'50			-169 Aug 11 j 14:30	0°♏		
	-171 Feb 16 j 02:02	0°♐		greatest brilliancy	-169 Sep 10 j 14:15	20°♏19'27	-4.6m	
	-171 Mar 12 j 11:43	0°♑		retrograde	-169 Sep 20 j 22:59	22°♏16'41		
	-171 Apr 05 j 22:03	0°♒		evening set	-169 Oct 07 j 02:09	17°♏18'58		
morning set	-171 Apr 14 j 20:53	10°♑58'53		inferior conj	-169 Oct 11 j 15:08	14°♏37'15	-6°-10'-58	
	-171 Apr 30 j 08:56	0°♒		minimum elong	-169 Oct 12 j 01:49	14°♏21'00	6°08'32	
max. Earth dist.	-171 May 20 j 13:48	24°♒47'19	1.73665 AU	min. Earth dist.	-169 Oct 12 j 07:54	14°♏11'45	0.26797 AU	
				morning rise	-169 Oct 17 j 01:04	11°♏25'47		
superior conj	-171 May 21 j 12:10	25°♒55'58	0°-2'-1	direct	-169 Nov 01 j 05:45	6°♏53'57		
minimum elong	-171 May 21 j 12:34	25°♒57'13	0°02'01	asc. node	-169 Nov 07 j 03:23	7°♏34'51		
behind sun begin	-171 May 20 j 14:19	24°♒48'54		greatest brilliancy	-169 Nov 14 j 08:42	10°♏05'39	-4.7m	
behind sun end	-171 May 22 j 10:49	27°♒05'32			-169 Dec 11 j 08:16	0°♐		
asc. node	-171 May 22 j 08:31	26°♒58'28		morning max el	-169 Dec 21 j 23:21	10°♐24'00	46°54'49	
	-171 May 24 j 19:39	0°♑			-168 Jan 09 j 08:30	0°♒		
	-171 Jun 18 j 05:22	0°♁			-168 Feb 04 j 16:48	0°♓		
evening rise	-171 Jun 26 j 08:24	10°♁00'22		desc. node	-168 Feb 26 j 17:35	25°♓54'32		
	-171 Jul 12 j 13:54	0°♂			-168 Mar 01 j 04:19	0°♐		
	-171 Aug 05 j 22:00	0°♑			-168 Mar 26 j 07:01	0°♒		
	-171 Aug 30 j 07:10	0°♒			-168 Apr 20 j 05:08	0°♑		
desc. node	-171 Sep 10 j 22:27	14°♒16'24			-168 May 14 j 23:54	0°♓		
	-171 Sep 23 j 19:00	0°♐			-168 Jun 08 j 15:04	0°♑		
	-171 Oct 18 j 11:37	0°♑		asc. node	-168 Jun 18 j 20:23	12°♑30'48		
	-171 Nov 12 j 13:40	0°♒		morning set	-168 Jun 21 j 07:23	15°♑31'47		
	-171 Dec 08 j 14:14	0°♐			-168 Jul 03 j 01:54	0°♁		
evening max el	-171 Dec 27 j 21:21	20°♐41'31	46°57'43	max. Earth dist.	-168 Jul 23 j 16:52	25°♁29'12	1.72782 AU	
asc. node	-170 Jan 02 j 01:08	25°♐50'22			-168 Jul 27 j 08:13	0°♂		
	-170 Jan 06 j 09:19	0°♑						
greatest brilliancy	-170 Feb 02 j 05:11	20°♑09'03	-4.6m	superior conj	-168 Jul 27 j 15:54	0°♂23'50	1°14'58	
retrograde	-170 Feb 16 j 12:25	23°♑52'18		minimum elong	-168 Jul 27 j 08:35	0°♂01'07	1°14'49	
evening set	-170 Mar 06 j 04:54	17°♑45'56			-168 Aug 20 j 11:02	0°♑		
inferior conj	-170 Mar 09 j 16:55	15°♑34'07	8°06'06	evening rise	-168 Sep 02 j 12:19	16°♑16'57		
minimum elong	-170 Mar 09 j 22:55	15°♑24'36	8°05'33		-168 Sep 13 j 12:02	0°♒		
min. Earth dist.	-170 Mar 09 j 10:04	15°♑44'59	0.28578 AU		-168 Oct 07 j 12:52	0°♐		
morning rise	-170 Mar 13 j 17:13	13°♑04'27		desc. node	-168 Oct 08 j 10:19	1°♐06'54		
direct	-170 Mar 30 j 22:32	7°♑22'53			-168 Oct 31 j 14:44	0°♑		
greatest brilliancy	-170 Apr 11 j 14:01	9°♑50'05	-4.5m		-168 Nov 24 j 18:59	0°♓		
desc. node	-170 Apr 23 j 14:56	16°♑22'50			-168 Dec 19 j 04:32	0°♐		
	-170 May 10 j 19:34	0°♑			-167 Jan 13 j 01:31	0°♑		
morning max el	-170 May 18 j 20:06	7°♑25'00	45°47'10	asc. node	-167 Jan 29 j 13:05	19°♑18'13		
	-170 Jun 10 j 01:13	0°♒			-167 Feb 07 j 22:36	0°♑		
	-170 Jul 07 j 03:51	0°♑			-167 Mar 08 j 04:20	0°♓		
	-170 Aug 01 j 22:16	0°♁		evening max el	-167 Mar 08 j 22:36	0°♓44'44	45°43'39	
asc. node	-170 Aug 14 j 18:07	15°♁20'05		greatest brilliancy	-167 Apr 12 j 05:22	27°♓25'05	-4.5m	
	-170 Aug 26 j 20:36	0°♂			-167 Apr 18 j 21:40	0°♑		
	-170 Sep 20 j 05:18	0°♑		retrograde	-167 Apr 26 j 20:16	1°♑10'15		
	-170 Oct 14 j 05:39	0°♒			-167 May 04 j 12:37	30°♓		
	-170 Nov 07 j 02:09	0°♐		evening set	-167 May 12 j 00:56	26°♓43'53		
morning set	-170 Nov 14 j 04:39	8°♐56'56		inferior conj	-167 May 18 j 08:10	22°♓56'57	0°38'55	
	-170 Nov 30 j 21:52	0°♑		minimum elong	-167 May 18 j 09:36	22°♓54'43	0°38'30	
desc. node	-170 Dec 04 j 07:54	4°♑18'09		min. Earth dist.	-167 May 18 j 13:53	22°♓47'58	0.29000 AU	
	-170 Dec 24 j 18:31	0°♓		desc. node	-167 May 21 j 02:50	21°♓13'02		
				morning rise	-167 May 24 j 18:03	19°♓05'13		
superior conj	-170 Dec 26 j 01:56	1°♓38'36	0°-48'-34	direct	-167 Jun 08 j 23:59	14°♓37'32		
minimum elong	-170 Dec 25 j 14:52	1°♓03'51	0°48'08	greatest brilliancy	-167 Jun 22 j 19:45	17°♓55'54	-4.5m	
max. Earth dist.	-170 Dec 29 j 16:11	6°♓09'11	1.71315 AU		-167 Jul 11 j 12:33	0°♑		
	-169 Jan 17 j 17:05	0°♐		morning max el	-167 Jul 27 j 22:54	14°♑35'24	45°56'31	
evening rise	-169 Feb 05 j 03:35	23°♐00'05			-167 Aug 12 j 04:26	0°♁		
	-169 Feb 10 j 18:39	0°♑			-167 Sep 08 j 05:43	0°♂		
	-169 Mar 07 j 00:34	0°♑		asc. node	-167 Sep 11 j 05:55	3°♂28'53		
asc. node	-169 Mar 27 j 10:55	25°♑02'55			-167 Oct 03 j 14:35	0°♑		
	-169 Mar 31 j 12:23	0°♒			-167 Oct 28 j 03:20	0°♒		
	-169 Apr 25 j 07:44	0°♑			-167 Nov 21 j 06:27	0°♐		

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Attention, astronomical year style is used: The year -201 in astronomical counting style is the year 202 BCE in historical counting style.

	-167 Dec 15 j 06:10	0°♁		desc. node	-164 Jun 17 j 14:51	2°♁30'52	
desc. node	-167 Dec 31 j 19:48	20°♁43'46		greatest brilliancy	-164 Jun 23 j 11:41	5°♁23'47	-4.5m
	-166 Jan 08 j 05:47	0°♁		retrograde	-164 Jul 06 j 03:32	8°♁11'37	
morning set	-166 Jan 30 j 12:31	27°♁48'15		evening set	-164 Jul 22 j 21:20	2°♁55'05	
	-166 Feb 01 j 06:49	0°♁		inferior conj	-164 Jul 27 j 10:08	0°♁11'17	-7°-41'-32
	-166 Feb 25 j 10:00	0°♁		minimum elong	-164 Jul 27 j 01:35	0°♁24'29	7°40'22
					-164 Jul 27 j 17:28	30°♁	
superior conj	-166 Mar 11 j 04:12	17°♁02'48	-1°-19'-58	min. Earth dist.	-164 Jul 27 j 17:08	0°♁00'31	0.28496 AU
minimum elong	-166 Mar 11 j 10:52	17°♁23'25	1°19'52	morning rise	-164 Jul 31 j 05:37	27°♁52'18	
max. Earth dist.	-166 Mar 14 j 09:06	21°♁00'34	1.72831 AU	direct	-164 Aug 17 j 21:57	22°♁01'03	
	-166 Mar 21 j 15:46	0°♁		greatest brilliancy	-164 Sep 01 j 09:07	25°♁44'18	-4.6m
	-166 Apr 15 j 00:24	0°♁			-164 Sep 08 j 20:34	0°♁	
evening rise	-166 Apr 18 j 03:51	3°♁51'38		morning max el	-164 Oct 07 j 03:49	24°♁17'17	46°37'05
asc. node	-166 Apr 23 j 22:42	10°♁57'34		asc. node	-164 Oct 08 j 17:39	25°♁52'56	
	-166 May 09 j 11:50	0°♁			-164 Oct 12 j 17:32	0°♁	
	-166 Jun 03 j 02:03	0°♁			-164 Nov 08 j 18:43	0°♁	
	-166 Jun 27 j 19:43	0°♁			-164 Dec 04 j 02:08	0°♁	
	-166 Jul 22 j 18:44	0°♁			-164 Dec 28 j 17:59	0°♁	
desc. node	-166 Aug 13 j 12:32	25°♁47'11			-163 Jan 22 j 04:24	0°♁	
	-166 Aug 17 j 02:41	0°♁		desc. node	-163 Jan 28 j 07:42	7°♁33'09	
	-166 Sep 12 j 02:39	0°♁			-163 Feb 15 j 13:30	0°♁	
	-166 Oct 09 j 14:18	0°♁			-163 Mar 11 j 22:51	0°♁	
evening max el	-166 Oct 14 j 17:49	5°♁15'57	47°20'26		-163 Apr 05 j 08:59	0°♁	
	-166 Nov 11 j 22:58	0°♁		morning set	-163 Apr 12 j 14:07	8°♁51'09	
greatest brilliancy	-166 Nov 22 j 08:56	5°♁56'01	-4.7m		-163 Apr 29 j 19:45	0°♁	
retrograde	-166 Dec 04 j 15:18	8°♁46'44		max. Earth dist.	-163 May 18 j 12:35	22°♁56'51	1.73666 AU
asc. node	-166 Dec 04 j 15:19	8°♁46'44					
evening set	-166 Dec 19 j 12:53	4°♁19'31		superior conj	-163 May 19 j 06:21	23°♁51'23	0°-5'-10
min. Earth dist.	-166 Dec 24 j 09:47	1°♁26'24	0.26760 AU	minimum elong	-163 May 19 j 07:24	23°♁54'37	0°05'08
inferior conj	-166 Dec 25 j 07:16	0°♁53'14	5°00'14	behind sun begin	-163 May 18 j 10:01	22°♁48'57	
minimum elong	-166 Dec 24 j 21:50	1°♁07'48	4°57'44	behind sun end	-163 May 20 j 04:48	25°♁00'17	
	-166 Dec 26 j 17:49	30°♁		asc. node	-163 May 21 j 10:38	26°♁31'53	
morning rise	-166 Dec 30 j 07:17	27°♁53'31			-163 May 24 j 06:25	0°♁	
direct	-165 Jan 14 j 15:43	23°♁12'05			-163 Jun 17 j 16:12	0°♁	
greatest brilliancy	-165 Jan 25 j 12:05	25°♁23'47	-4.6m	evening rise	-163 Jun 24 j 03:18	7°♁57'18	
	-165 Feb 03 j 14:21	0°♁			-163 Jul 12 j 00:53	0°♁	
morning max el	-165 Mar 05 j 08:17	24°♁45'34	46°21'32		-163 Aug 05 j 09:17	0°♁	
	-165 Mar 10 j 14:36	0°♁			-163 Aug 29 j 18:54	0°♁	
desc. node	-165 Mar 26 j 05:17	16°♁20'35		desc. node	-163 Sep 10 j 00:24	13°♁45'40	
	-165 Apr 07 j 16:42	0°♁			-163 Sep 23 j 07:21	0°♁	
	-165 May 04 j 02:56	0°♁			-163 Oct 18 j 00:48	0°♁	
	-165 May 29 j 18:54	0°♁			-163 Nov 12 j 04:11	0°♁	
asc. node	-165 Jun 23 j 23:01	0°♁			-163 Dec 08 j 07:33	0°♁	
	-165 Jul 17 j 08:16	28°♁19'28		evening max el	-163 Dec 25 j 13:07	18°♁24'14	47°00'03
	-165 Jul 18 j 17:12	0°♁		asc. node	-162 Jan 01 j 03:20	24°♁57'10	
	-165 Aug 12 j 02:36	0°♁			-162 Jan 06 j 12:01	0°♁	
morning set	-165 Aug 30 j 02:27	22°♁22'07		greatest brilliancy	-162 Jan 30 j 23:34	17°♁57'32	-4.6m
	-165 Sep 05 j 05:05	0°♁		retrograde	-162 Feb 14 j 04:36	21°♁38'04	
	-165 Sep 29 j 03:15	0°♁		evening set	-162 Mar 03 j 22:41	15°♁29'28	
max. Earth dist.	-165 Oct 05 j 21:02	8°♁28'26	1.71280 AU	min. Earth dist.	-162 Mar 07 j 00:53	13°♁32'55	0.28534 AU
				inferior conj	-162 Mar 07 j 08:48	13°♁20'19	8°12'51
superior conj	-165 Oct 07 j 09:19	10°♁22'29	1°02'30	minimum elong	-162 Mar 07 j 14:12	13°♁11'45	8°12'23
minimum elong	-165 Oct 07 j 19:56	10°♁55'54	1°02'09	morning rise	-162 Mar 11 j 05:59	10°♁55'08	
	-165 Oct 22 j 23:42	0°♁		direct	-162 Mar 28 j 14:05	5°♁10'05	
desc. node	-165 Nov 05 j 22:10	17°♁31'39		greatest brilliancy	-162 Apr 09 j 02:06	7°♁33'50	-4.5m
	-165 Nov 15 j 20:17	0°♁		desc. node	-162 Apr 22 j 17:01	15°♁09'41	
evening rise	-165 Nov 17 j 10:05	1°♁58'46			-162 May 10 j 21:30	0°♁	
	-165 Dec 09 j 18:08	0°♁		morning max el	-162 May 16 j 11:10	5°♁12'23	45°47'29
	-164 Jan 02 j 18:29	0°♁			-162 Jun 09 j 17:53	0°♁	
	-164 Jan 26 j 23:33	0°♁			-162 Jul 06 j 17:39	0°♁	
	-164 Feb 20 j 12:59	0°♁			-162 Aug 01 j 10:45	0°♁	
asc. node	-164 Feb 27 j 00:59	7°♁50'12		asc. node	-162 Aug 13 j 20:07	14°♁49'44	
	-164 Mar 16 j 16:09	0°♁			-162 Aug 26 j 08:24	0°♁	
	-164 Apr 11 j 18:11	0°♁			-162 Sep 19 j 16:46	0°♁	
	-164 May 09 j 17:49	0°♁			-162 Oct 13 j 16:58	0°♁	
evening max el	-164 May 18 j 14:46	8°♁43'51	45°18'53		-162 Nov 06 j 13:24	0°♁	
	-164 Jun 13 j 10:54	0°♁		morning set	-162 Nov 11 j 15:09	6°♁23'25	

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Attention, astronomical year style is used: The year -201 in astronomical counting style is the year 202 BCE in historical counting style.

	-162 Nov 30 j 09:05	0°♊		desc. node	-159 May 20 j 04:56	18°♄14'23	
desc. node	-162 Dec 03 j 10:01	3°♊49'30		morning rise	-159 May 22 j 11:05	16°♄56'39	
				direct	-159 Jun 06 j 16:16	12°♄28'59	
superior conj	-162 Dec 23 j 11:23	29°♊02'33	0°-45'-13	greatest brilliancy	-159 Jun 20 j 12:11	15°♄47'37	-4.5m
minimum elong	-162 Dec 23 j 00:45	28°♊29'11	0°44'47		-159 Jul 11 j 20:11	0°♄	
	-162 Dec 24 j 05:41	0°♋		morning max el	-159 Jul 25 j 15:25	12°♄26'00	45°55'25
max. Earth dist.	-162 Dec 26 j 22:48	3°♋24'21	1.71272 AU		-159 Aug 11 j 22:11	0°♄	
	-161 Jan 17 j 04:13	0°♋		asc. node	-159 Sep 07 j 20:07	0°♄	
evening rise	-161 Feb 02 j 15:17	20°♋32'29			-159 Sep 10 j 07:58	2°♄53'37	
	-161 Feb 10 j 05:45	0°♌			-159 Oct 03 j 03:36	0°♌	
	-161 Mar 06 j 11:45	0°♌			-159 Oct 27 j 15:39	0°♌	
asc. node	-161 Mar 26 j 12:55	24°♌34'29			-159 Nov 20 j 18:22	0°♌	
	-161 Mar 30 j 23:46	0°♌			-159 Dec 14 j 17:48	0°♌	
	-161 Apr 24 j 19:34	0°♌		desc. node	-159 Dec 30 j 21:53	20°♌14'15	
	-161 May 20 j 01:48	0°♌			-158 Jan 07 j 17:13	0°♌	
	-161 Jun 15 j 00:12	0°♌		morning set	-158 Jan 27 j 23:31	25°♌17'42	
	-161 Jul 12 j 05:09	0°♌			-158 Jan 31 j 18:06	0°♌	
desc. node	-161 Jul 16 j 02:42	4°♌06'19			-158 Feb 24 j 21:09	0°♌	
evening max el	-161 Jul 31 j 00:13	19°♌07'17	46°11'09				
	-161 Aug 11 j 20:31	0°♌		superior conj	-158 Mar 08 j 18:46	14°♌45'04	-1°-21'-7
greatest brilliancy	-161 Sep 08 j 03:23	17°♌54'04	-4.6m	minimum elong	-158 Mar 09 j 00:49	15°♌03'46	1°21'03
retrograde	-161 Sep 18 j 10:20	19°♌50'04		max. Earth dist.	-158 Mar 11 j 23:39	18°♌42'56	1.72779 AU
evening set	-161 Oct 04 j 17:45	14°♌47'27			-158 Mar 21 j 02:50	0°♌	
inferior conj	-161 Oct 09 j 03:37	12°♌10'24	-6°-27'-36		-158 Apr 14 j 11:26	0°♌	
minimum elong	-161 Oct 09 j 14:18	11°♌54'09	6°25'16	evening rise	-158 Apr 15 j 20:54	1°♌42'46	
min. Earth dist.	-161 Oct 09 j 21:33	11°♌43'06	0.26853 AU	asc. node	-158 Apr 23 j 00:52	10°♌30'18	
morning rise	-161 Oct 14 j 10:21	9°♌03'03			-158 May 08 j 22:57	0°♌	
direct	-161 Oct 29 j 18:18	4°♌25'52			-158 Jun 02 j 13:26	0°♌	
asc. node	-161 Nov 06 j 05:31	5°♌30'32			-158 Jun 27 j 07:35	0°♌	
greatest brilliancy	-161 Nov 12 j 00:40	7°♌40'50	-4.7m		-158 Jul 22 j 07:23	0°♌	
	-161 Dec 11 j 12:01	0°♌		desc. node	-158 Aug 12 j 14:27	25°♌12'35	
morning max el	-161 Dec 19 j 12:02	7°♌55'06	46°55'16		-158 Aug 16 j 16:39	0°♌	
	-160 Jan 09 j 02:28	0°♌			-158 Sep 11 j 19:01	0°♌	
	-160 Feb 04 j 07:34	0°♌			-158 Oct 09 j 12:21	0°♌	
desc. node	-160 Feb 25 j 19:29	25°♌20'30		evening max el	-158 Oct 12 j 08:28	2°♌52'50	47°19'13
	-160 Feb 29 j 17:31	0°♌			-158 Nov 13 j 08:19	0°♌	
	-160 Mar 25 j 19:16	0°♌		greatest brilliancy	-158 Nov 19 j 22:51	3°♌27'26	-4.7m
	-160 Apr 19 j 16:46	0°♌		retrograde	-158 Dec 02 j 04:57	6°♌17'24	
	-160 May 14 j 11:08	0°♌		asc. node	-158 Dec 03 j 17:28	6°♌14'30	
	-160 Jun 08 j 02:04	0°♌		evening set	-158 Dec 16 j 23:23	1°♌53'44	
asc. node	-160 Jun 17 j 22:30	12°♌03'42			-158 Dec 20 j 05:44	30°♌	
morning set	-160 Jun 19 j 01:45	13°♌27'14		min. Earth dist.	-158 Dec 21 j 22:55	28°♌57'07	0.26708 AU
	-160 Jul 02 j 12:49	0°♌		inferior conj	-158 Dec 22 j 19:55	28°♌24'46	4°40'24
max. Earth dist.	-160 Jul 21 j 12:24	23°♌27'05	1.72839 AU	minimum elong	-158 Dec 22 j 10:51	28°♌38'44	4°37'57
				morning rise	-158 Dec 27 j 22:53	25°♌21'30	
superior conj	-160 Jul 25 j 09:43	28°♌16'15	1°13'27	direct	-157 Jan 12 j 04:27	20°♌44'29	
minimum elong	-160 Jul 25 j 02:03	27°♌52'28	1°13'15	greatest brilliancy	-157 Jan 23 j 00:58	22°♌57'05	-4.6m
	-160 Jul 26 j 19:11	0°♌			-157 Feb 04 j 20:36	0°♌	
	-160 Aug 19 j 22:08	0°♌		morning max el	-157 Mar 02 j 22:51	22°♌26'02	46°23'04
evening rise	-160 Aug 31 j 03:30	13°♌59'45			-157 Mar 10 j 11:49	0°♌	
	-160 Sep 12 j 23:19	0°♌		desc. node	-157 Mar 25 j 07:24	15°♌38'49	
	-160 Oct 07 j 00:23	0°♌			-157 Apr 07 j 08:27	0°♌	
desc. node	-160 Oct 07 j 12:22	0°♌37'20			-157 May 03 j 16:27	0°♌	
	-160 Oct 31 j 02:31	0°♌			-157 May 29 j 07:14	0°♌	
	-160 Nov 24 j 07:09	0°♌			-157 Jun 23 j 10:40	0°♌	
	-160 Dec 18 j 17:15	0°♌		asc. node	-157 Jul 16 j 10:17	27°♌51'10	
	-159 Jan 12 j 15:14	0°♌			-157 Jul 18 j 04:29	0°♌	
asc. node	-159 Jan 28 j 15:04	18°♌41'20			-157 Aug 11 j 13:42	0°♌	
	-159 Feb 07 j 14:25	0°♌		morning set	-157 Aug 27 j 18:12	20°♌07'11	
evening max el	-159 Mar 06 j 13:32	28°♌30'14	45°45'58		-157 Sep 04 j 16:08	0°♌	
	-159 Mar 08 j 02:28	0°♌			-157 Sep 28 j 14:21	0°♌	
greatest brilliancy	-159 Apr 09 j 20:09	25°♌14'19	-4.5m	max. Earth dist.	-157 Oct 03 j 05:21	5°♌48'41	1.71320 AU
retrograde	-159 Apr 24 j 13:12	29°♌02'32					
evening set	-159 May 09 j 18:43	24°♌33'59		superior conj	-157 Oct 04 j 22:07	7°♌56'50	1°04'57
inferior conj	-159 May 16 j 00:53	20°♌48'41	0°58'19	minimum elong	-157 Oct 05 j 08:34	8°♌29'38	1°04'37
minimum elong	-159 May 16 j 03:00	20°♌45'22	0°57'42		-157 Oct 22 j 10:55	0°♌	
min. Earth dist.	-159 May 16 j 06:45	20°♌39'29	0.29004 AU	desc. node	-157 Nov 05 j 00:20	17°♌02'57	

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Attention, astronomical year style is used: The year -201 in astronomical counting style is the year 202 BCE in historical counting style.

evening rise	-157 Nov 14 j 19:51	29°♄22'59		desc. node	-154 Apr 21 j 19:09	13°♃58'03	
	-157 Nov 15 j 07:38	0°♁			-154 May 10 j 22:17	0°♃	
	-157 Dec 09 j 05:36	0°♁		morning max el	-154 May 14 j 01:24	2°♃57'21	45°48'03
	-156 Jan 02 j 06:04	0°♁			-154 Jun 09 j 10:15	0°♃	
	-156 Jan 26 j 11:21	0°♁			-154 Jul 06 j 07:15	0°♃	
	-156 Feb 20 j 01:12	0°♃			-154 Jul 31 j 23:04	0°♁	
asc. node	-156 Feb 26 j 03:01	7°♃19'08		asc. node	-154 Aug 12 j 22:06	14°♁19'39	
	-156 Mar 16 j 05:16	0°♃			-154 Aug 25 j 20:04	0°♃	
	-156 Apr 11 j 09:14	0°♃			-154 Sep 19 j 04:05	0°♃	
	-156 May 09 j 13:54	0°♁			-154 Oct 13 j 04:08	0°♁	
evening max el	-156 May 16 j 06:53	6°♁33'23	45°18'26		-154 Nov 06 j 00:29	0°♃	
	-156 Jun 14 j 16:59	0°♃		morning set	-154 Nov 09 j 02:19	3°♃52'32	
desc. node	-156 Jun 16 j 16:57	1°♃06'03			-154 Nov 29 j 20:08	0°♁	
greatest brilliancy	-156 Jun 21 j 01:15	3°♃09'52	-4.5m	desc. node	-154 Dec 02 j 12:05	3°♁21'15	
retrograde	-156 Jul 03 j 18:20	5°♃58'48					
evening set	-156 Jul 20 j 09:14	0°♃47'14		superior conj	-154 Dec 20 j 21:07	26°♁27'49	0°-41'-47
	-156 Jul 21 j 17:34	30°♁		minimum elong	-154 Dec 20 j 11:02	25°♁56'08	0°41'22
inferior conj	-156 Jul 25 j 01:30	27°♁58'06	-7°-31'-13		-154 Dec 23 j 16:43	0°♁	
minimum elong	-156 Jul 24 j 16:33	28°♁11'55	7°29'54	max. Earth dist.	-154 Dec 24 j 03:35	0°♁34'07	1.71239 AU
min. Earth dist.	-156 Jul 25 j 07:51	27°♁48'16	0.28528 AU		-153 Jan 16 j 15:14	0°♁	
morning rise	-156 Jul 28 j 23:39	25°♁34'51		evening rise	-153 Jan 31 j 02:47	18°♁04'24	
direct	-156 Aug 15 j 13:58	19°♁47'35			-153 Feb 09 j 16:49	0°♁	
greatest brilliancy	-156 Aug 29 j 23:23	23°♁28'16	-4.6m		-153 Mar 05 j 22:54	0°♃	
	-156 Sep 09 j 19:06	0°♃		asc. node	-153 Mar 25 j 15:04	24°♃06'36	
morning max el	-156 Oct 04 j 17:59	21°♃56'50	46°35'33		-153 Mar 30 j 11:08	0°♃	
asc. node	-156 Oct 07 j 19:50	25°♃04'19			-153 Apr 24 j 07:22	0°♃	
	-156 Oct 12 j 13:26	0°♃			-153 May 19 j 14:29	0°♁	
	-156 Nov 08 j 10:07	0°♁			-153 Jun 14 j 14:35	0°♃	
	-156 Dec 03 j 15:46	0°♃			-153 Jul 11 j 23:22	0°♃	
	-156 Dec 28 j 06:43	0°♁		desc. node	-153 Jul 15 j 04:39	3°♃21'55	
	-155 Jan 21 j 16:32	0°♁		evening max el	-153 Jul 28 j 12:19	16°♃43'44	46°08'31
desc. node	-155 Jan 27 j 09:40	7°♁02'13			-153 Aug 12 j 04:29	0°♁	
	-155 Feb 15 j 01:11	0°♁		greatest brilliancy	-153 Sep 05 j 15:38	15°♁29'01	-4.6m
	-155 Mar 11 j 10:10	0°♁		retrograde	-153 Sep 15 j 22:16	17°♁25'09	
	-155 Apr 04 j 20:03	0°♃		evening set	-153 Oct 02 j 09:32	12°♁17'14	
morning set	-155 Apr 10 j 07:05	6°♃42'10		inferior conj	-153 Oct 06 j 16:15	9°♁44'55	-6°-43'-21
	-155 Apr 29 j 06:39	0°♃		minimum elong	-153 Oct 07 j 02:53	9°♁28'45	6°41'08
max. Earth dist.	-155 May 16 j 10:25	21°♁03'13	1.73662 AU	min. Earth dist.	-153 Oct 07 j 11:04	9°♁16'19	0.26910 AU
				morning rise	-153 Oct 11 j 19:43	6°♁42'13	
superior conj	-155 May 17 j 00:33	21°♁46'36	0°-8'-18	direct	-153 Oct 27 j 07:16	1°♁59'09	
minimum elong	-155 May 17 j 02:14	21°♁51'48	0°08'14	asc. node	-153 Nov 05 j 07:34	3°♁32'23	
behind sun begin	-155 May 16 j 06:50	20°♁52'16		greatest brilliancy	-153 Nov 09 j 17:04	5°♁18'03	-4.7m
behind sun end	-155 May 17 j 21:38	22°♁51'19			-153 Dec 11 j 13:46	0°♃	
asc. node	-155 May 20 j 12:43	26°♁04'58		morning max el	-153 Dec 17 j 01:39	5°♃29'40	46°55'43
	-155 May 23 j 17:17	0°♃			-152 Jan 08 j 19:41	0°♁	
	-155 Jun 17 j 03:06	0°♁			-152 Feb 03 j 21:52	0°♁	
evening rise	-155 Jun 21 j 22:26	5°♁54'47		desc. node	-152 Feb 24 j 21:37	24°♁48'03	
	-155 Jul 11 j 11:56	0°♃			-152 Feb 29 j 06:22	0°♁	
	-155 Aug 04 j 20:37	0°♃			-152 Mar 25 j 07:16	0°♁	
	-155 Aug 29 j 06:39	0°♁			-152 Apr 19 j 04:13	0°♃	
desc. node	-155 Sep 09 j 02:33	13°♁15'37			-152 May 13 j 22:11	0°♁	
	-155 Sep 22 j 19:41	0°♃			-152 Jun 07 j 12:52	0°♃	
	-155 Oct 17 j 14:00	0°♁		morning set	-152 Jun 16 j 19:53	11°♃22'43	
	-155 Nov 11 j 18:52	0°♁		asc. node	-152 Jun 17 j 00:29	11°♃36'50	
	-155 Dec 08 j 01:20	0°♁			-152 Jul 01 j 23:29	0°♁	
evening max el	-155 Dec 23 j 03:57	16°♁03'51	47°02'00	max. Earth dist.	-152 Jul 19 j 09:23	21°♁30'19	1.72890 AU
asc. node	-155 Dec 31 j 05:17	24°♁01'42					
	-154 Jan 06 j 16:43	0°♁		superior conj	-152 Jul 23 j 03:25	26°♁09'12	1°11'48
greatest brilliancy	-154 Jan 28 j 17:57	15°♁44'39	-4.6m	minimum elong	-152 Jul 22 j 19:27	25°♁44'29	1°11'36
retrograde	-154 Feb 11 j 20:06	19°♁22'19			-152 Jul 26 j 05:53	0°♃	
evening set	-154 Mar 01 j 16:00	13°♁11'55			-152 Aug 19 j 08:57	0°♃	
min. Earth dist.	-154 Mar 04 j 15:49	11°♁18'58	0.28488 AU	evening rise	-152 Aug 28 j 18:56	11°♃44'15	
inferior conj	-154 Mar 05 j 00:28	11°♁05'13	8°18'48		-152 Sep 12 j 10:20	0°♁	
minimum elong	-154 Mar 05 j 05:12	10°♁57'40	8°18'27		-152 Oct 06 j 11:37	0°♃	
morning rise	-154 Mar 08 j 18:39	8°♁44'18		desc. node	-152 Oct 06 j 14:30	0°♃09'01	
direct	-154 Mar 26 j 04:52	2°♁55'56			-152 Oct 30 j 14:01	0°♁	
greatest brilliancy	-154 Apr 06 j 15:02	5°♁17'27	-4.5m		-152 Nov 23 j 19:00	0°♁	

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Attention, astronomical year style is used: The year -201 in astronomical counting style is the year 202 BCE in historical counting style.

	-152 Dec 18 j 05:39	0°≈		asc. node	-149 Jul 15 j 12:20	27°II23'49	
	-151 Jan 12 j 04:38	0°✠			-149 Jul 17 j 15:28	0°☾	
asc. node	-151 Jan 27 j 17:07	18°✠05'36			-149 Aug 11 j 00:32	0°♈	
	-151 Feb 07 j 06:04	0°♃		morning set	-149 Aug 25 j 09:49	17°♈52'42	
evening max el	-151 Mar 04 j 05:10	26°♃18'21	45°48'08		-149 Sep 04 j 02:55	0°♄	
	-151 Mar 08 j 01:07	0°♃			-149 Sep 28 j 01:09	0°♁	
greatest brilliancy	-151 Apr 07 j 11:18	23°♃04'33	-4.5m	max. Earth dist.	-149 Sep 30 j 11:57	3°♁04'40	1.71357 AU
retrograde	-151 Apr 22 j 06:18	26°♃54'54					
evening set	-151 May 07 j 12:30	22°♃24'07		superior conj	-149 Oct 02 j 11:01	5°♁32'31	1°07'15
inferior conj	-151 May 13 j 17:23	18°♃40'27	1°17'47	minimum elong	-149 Oct 02 j 21:11	6°♁04'27	1°06'56
minimum elong	-151 May 13 j 20:12	18°♃36'02	1°16'58		-149 Oct 21 j 21:49	0°♆	
min. Earth dist.	-151 May 13 j 23:08	18°♃31'26	0.29009 AU	desc. node	-149 Nov 04 j 02:20	16°♆34'50	
desc. node	-151 May 19 j 06:59	15°♃17'33		evening rise	-149 Nov 12 j 05:37	26°♆48'21	
morning rise	-151 May 20 j 03:48	14°♃48'27			-149 Nov 14 j 18:38	0°♁	
direct	-151 Jun 04 j 08:56	10°♃20'37			-149 Dec 08 j 16:43	0°♂	
greatest brilliancy	-151 Jun 18 j 04:12	13°♃39'12	-4.5m		-148 Jan 01 j 17:20	0°≈	
	-151 Jul 12 j 01:21	0°♆			-148 Jan 25 j 22:51	0°✠	
morning max el	-151 Jul 23 j 08:17	10°♆18'17	45°54'25		-148 Feb 19 j 13:10	0°♃	
	-151 Aug 11 j 15:16	0°☾		asc. node	-148 Feb 25 j 05:12	6°♃49'22	
	-151 Sep 07 j 10:01	0°♈			-148 Mar 15 j 18:08	0°♃	
asc. node	-151 Sep 09 j 10:10	2°♈20'02			-148 Apr 11 j 00:05	0°♆	
	-151 Oct 02 j 16:10	0°♄			-148 May 09 j 10:15	0°☾	
	-151 Oct 27 j 03:32	0°♁		evening max el	-148 May 13 j 21:58	4°☾21'22	45°17'54
	-151 Nov 20 j 05:53	0°♆		desc. node	-148 Jun 15 j 18:54	29°☾38'46	
	-151 Dec 14 j 05:04	0°♁			-148 Jun 16 j 12:24	0°♈	
desc. node	-151 Dec 29 j 23:51	19°♁45'34		greatest brilliancy	-148 Jun 18 j 14:50	0°♈56'34	-4.5m
	-150 Jan 07 j 04:17	0°♂		retrograde	-148 Jul 01 j 08:39	3°♈46'39	
morning set	-150 Jan 25 j 10:40	22°♂48'43			-148 Jul 15 j 10:01	30°☾	
	-150 Jan 31 j 05:00	0°≈		evening set	-148 Jul 17 j 21:02	28°☾39'49	
	-150 Feb 24 j 07:54	0°✠		inferior conj	-148 Jul 22 j 16:47	25°☾45'32	-7°-20'-7
				minimum elong	-148 Jul 22 j 07:30	25°☾59'54	7°18'40
superior conj	-150 Mar 06 j 09:19	12°✠28'23	-1°-22'-8	min. Earth dist.	-148 Jul 22 j 22:54	25°☾36'03	0.28563 AU
minimum elong	-150 Mar 06 j 14:42	12°✠45'03	1°22'06	morning rise	-148 Jul 26 j 17:42	23°☾17'53	
max. Earth dist.	-150 Mar 09 j 16:35	16°✠33'44	1.72729 AU	direct	-148 Aug 13 j 05:30	17°☾34'28	
	-150 Mar 20 j 13:30	0°♃		greatest brilliancy	-148 Aug 27 j 14:32	21°☾13'45	-4.6m
evening rise	-150 Apr 13 j 13:53	29°♃34'46			-148 Sep 10 j 11:38	0°♈	
	-150 Apr 13 j 22:06	0°♃		morning max el	-148 Oct 02 j 07:18	19°♈34'44	46°34'09
asc. node	-150 Apr 22 j 02:56	10°♃03'48		asc. node	-148 Oct 06 j 21:51	24°♈16'24	
	-150 May 08 j 09:47	0°♆			-148 Oct 12 j 08:37	0°♄	
	-150 Jun 02 j 00:33	0°☾			-148 Nov 08 j 01:06	0°♁	
	-150 Jun 26 j 19:12	0°♈			-148 Dec 03 j 05:03	0°♆	
	-150 Jul 21 j 19:48	0°♄			-148 Dec 27 j 19:06	0°♁	
desc. node	-150 Aug 11 j 16:36	24°♄39'24		desc. node	-147 Jan 21 j 04:20	0°♂	
	-150 Aug 16 j 06:24	0°♁			-147 Jan 26 j 11:48	6°♂32'44	
	-150 Sep 11 j 11:16	0°♆			-147 Feb 14 j 12:33	0°≈	
	-150 Oct 09 j 10:47	0°♁			-147 Mar 10 j 21:14	0°✠	
evening max el	-150 Oct 09 j 23:32	0°♁32'02	47°17'56		-147 Apr 04 j 06:53	0°♃	
	-150 Nov 15 j 08:50	0°♂		morning set	-147 Apr 08 j 00:01	4°♃33'43	
greatest brilliancy	-150 Nov 17 j 13:16	1°♂00'46	-4.7m		-147 Apr 28 j 17:20	0°♃	
retrograde	-150 Nov 29 j 18:33	3°♂48'58		max. Earth dist.	-147 May 14 j 07:00	19°♃06'33	1.73656 AU
asc. node	-150 Dec 02 j 19:28	3°♂37'25					
	-150 Dec 13 j 10:58	30°♁		superior conj	-147 May 14 j 18:52	19°♃42'58	0°-11'-24
evening set	-150 Dec 14 j 10:08	29°♁28'54		minimum elong	-147 May 14 j 21:11	19°♃50'05	0°11'19
min. Earth dist.	-150 Dec 19 j 12:07	26°♁28'48	0.26656 AU	behind sun begin	-147 May 14 j 05:17	19°♃01'15	
inferior conj	-150 Dec 20 j 08:33	25°♁57'21	4°19'56	behind sun end	-147 May 15 j 13:06	20°♃38'55	
minimum elong	-150 Dec 19 j 23:55	26°♁10'38	4°17'32	asc. node	-147 May 19 j 14:44	25°♃38'33	
morning rise	-150 Dec 25 j 14:21	22°♁50'31			-147 May 23 j 03:54	0°♆	
direct	-149 Jan 09 j 17:24	18°♁18'05			-147 Jun 16 j 13:46	0°☾	
greatest brilliancy	-149 Jan 20 j 13:32	20°♁30'53	-4.6m	evening rise	-147 Jun 19 j 17:41	3°☾53'25	
	-149 Feb 05 j 17:58	0°♂			-147 Jul 10 j 22:48	0°♈	
morning max el	-149 Feb 28 j 12:46	20°♂05'59	46°24'37		-147 Aug 04 j 07:50	0°♄	
	-149 Mar 10 j 07:52	0°≈			-147 Aug 28 j 18:20	0°♁	
desc. node	-149 Mar 24 j 09:31	14°≈58'45		desc. node	-147 Sep 08 j 04:39	12°♁45'36	
	-149 Apr 06 j 23:31	0°✠			-147 Sep 22 j 08:01	0°♆	
	-149 May 03 j 05:26	0°♃			-147 Oct 17 j 03:13	0°♁	
	-149 May 28 j 19:08	0°♃			-147 Nov 11 j 09:35	0°♂	
	-149 Jun 22 j 21:59	0°♆			-147 Dec 07 j 19:22	0°≈	

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Attention, astronomical year style is used: The year -201 in astronomical counting style is the year 202 BCE in historical counting style.

evening max el	-147 Dec 20 j 17:43	13° \approx 41'07	47°04'07	asc. node	-144 Jun 16 j 02:36	11° Π 09'56	
asc. node	-147 Dec 30 j 07:22	23° \approx 05'54			-144 Jul 01 j 10:19	0° \ominus	
	-146 Jan 06 j 23:14	0° H		max. Earth dist.	-144 Jul 17 j 06:11	19° \ominus 32'35	1.72936 AU
greatest brilliancy	-146 Jan 26 j 11:35	13° H 31'06	-4.6m				
retrograde	-146 Feb 09 j 11:30	17° H 07'08		superior conj	-144 Jul 20 j 21:27	24° \ominus 02'45	1°10'04
evening set	-146 Feb 27 j 09:01	10° H 55'02		minimum elong	-144 Jul 20 j 13:15	23° \ominus 37'19	1°09'51
min. Earth dist.	-146 Mar 02 j 06:50	9° H 05'18	0.28442 AU		-144 Jul 25 j 16:44	0° Ω	
inferior conj	-146 Mar 02 j 16:08	8° H 50'31	8°23'59		-144 Aug 18 j 19:55	0° M	
minimum elong	-146 Mar 02 j 20:10	8° H 44'06	8°23'44	evening rise	-144 Aug 26 j 10:48	9° M 29'47	
morning rise	-146 Mar 06 j 07:31	6° H 33'45			-144 Sep 11 j 21:28	0° $\underline{\Omega}$	
direct	-146 Mar 23 j 19:19	0° H 41'55		desc. node	-144 Oct 05 j 16:31	29° $\underline{\Omega}$ 39'46	
greatest brilliancy	-146 Apr 04 j 05:03	3° H 02'35	-4.5m		-144 Oct 05 j 23:00	0° M	
desc. node	-146 Apr 20 j 21:10	12° H 48'32			-144 Oct 30 j 01:44	0° H	
	-146 May 10 j 21:46	0° Y			-144 Nov 23 j 07:09	0° Z	
morning max el	-146 May 11 j 15:51	0° Y 43'06	45°48'46		-144 Dec 17 j 18:25	0° \approx	
	-146 Jun 09 j 02:12	0° Z			-143 Jan 11 j 18:29	0° H	
	-146 Jul 05 j 20:37	0° II		asc. node	-143 Jan 26 j 19:19	17° H 28'58	
	-146 Jul 31 j 11:14	0° \ominus			-143 Feb 06 j 22:19	0° Y	
asc. node	-146 Aug 12 j 00:20	13° \ominus 50'42		evening max el	-143 Mar 01 j 21:27	24° Y 07'09	45°50'32
	-146 Aug 25 j 07:37	0° Ω			-143 Mar 08 j 01:08	0° H	
	-146 Sep 18 j 15:22	0° M		greatest brilliancy	-143 Apr 05 j 03:44	20° H 55'51	-4.5m
	-146 Oct 12 j 15:19	0° $\underline{\Omega}$		retrograde	-143 Apr 19 j 23:32	24° H 46'36	
	-146 Nov 05 j 11:38	0° M		evening set	-143 May 05 j 06:34	20° H 13'44	
morning set	-146 Nov 06 j 13:13	1° M 20'37		inferior conj	-143 May 11 j 09:58	16° H 31'38	1°37'02
	-146 Nov 29 j 07:14	0° H		minimum elong	-143 May 11 j 13:27	16° H 26'09	1°36'02
desc. node	-146 Dec 01 j 14:07	2° H 52'43		min. Earth dist.	-143 May 11 j 15:21	16° H 23'11	0.29010 AU
				morning rise	-143 May 17 j 20:23	12° H 39'47	
superior conj	-146 Dec 18 j 06:24	23° H 51'27	0°-38'-13	desc. node	-143 May 18 j 09:03	12° H 22'36	
minimum elong	-146 Dec 17 j 20:56	23° H 21'44	0°37'49	direct	-143 Jun 02 j 01:55	8° H 11'53	
max. Earth dist.	-146 Dec 21 j 06:41	27° H 38'29	1.71205 AU	greatest brilliancy	-143 Jun 15 j 19:12	11° H 28'59	-4.5m
	-146 Dec 23 j 03:46	0° Z			-143 Jul 12 j 05:00	0° II	
	-145 Jan 16 j 02:16	0° \approx		morning max el	-143 Jul 21 j 01:09	8° II 10'00	45°53'27
evening rise	-145 Jan 28 j 14:00	15° \approx 35'27			-143 Aug 11 j 08:17	0° \ominus	
	-145 Feb 09 j 03:52	0° H			-143 Sep 07 j 00:02	0° Ω	
	-145 Mar 05 j 10:03	0° Y		asc. node	-143 Sep 08 j 12:08	1° Ω 45'17	
asc. node	-145 Mar 24 j 17:06	23° Y 38'21			-143 Oct 02 j 04:53	0° M	
	-145 Mar 29 j 22:31	0° Z			-143 Oct 26 j 15:37	0° $\underline{\Omega}$	
	-145 Apr 23 j 19:14	0° II			-143 Nov 19 j 17:35	0° M	
	-145 May 19 j 03:16	0° \ominus			-143 Dec 13 j 16:34	0° H	
	-145 Jun 14 j 05:09	0° Ω		desc. node	-143 Dec 29 j 02:01	19° H 16'37	
	-145 Jul 11 j 18:02	0° M			-142 Jan 06 j 15:39	0° Z	
desc. node	-145 Jul 14 j 06:50	2° M 37'32		morning set	-142 Jan 22 j 21:29	20° Z 17'36	
evening max el	-145 Jul 26 j 00:56	14° M 21'47	46°05'56		-142 Jan 30 j 16:14	0° \approx	
	-145 Aug 12 j 15:15	0° $\underline{\Omega}$			-142 Feb 23 j 19:00	0° H	
greatest brilliancy	-145 Sep 03 j 02:34	13° $\underline{\Omega}$ 02'48	-4.6m				
retrograde	-145 Sep 13 j 10:45	15° $\underline{\Omega}$ 00'15		superior conj	-142 Mar 03 j 23:23	10° H 08'55	-1°-23'-2
evening set	-145 Sep 30 j 01:14	9° $\underline{\Omega}$ 46'52		minimum elong	-142 Mar 04 j 04:03	10° H 23'23	1°23'00
inferior conj	-145 Oct 04 j 04:49	7° $\underline{\Omega}$ 19'07	-6°-58'-9	max. Earth dist.	-142 Mar 07 j 10:14	14° H 25'32	1.72676 AU
minimum elong	-145 Oct 04 j 15:20	7° $\underline{\Omega}$ 03'10	6°56'05		-142 Mar 20 j 00:31	0° Y	
min. Earth dist.	-145 Oct 05 j 00:04	6° $\underline{\Omega}$ 49'56	0.26974 AU	evening rise	-142 Apr 11 j 06:28	27° Y 24'25	
morning rise	-145 Oct 09 j 04:56	4° $\underline{\Omega}$ 21'23			-142 Apr 13 j 09:08	0° H	
	-145 Oct 20 j 02:59	30° M		asc. node	-142 Apr 21 j 04:56	9° H 36'04	
direct	-145 Oct 24 j 20:44	29° M 32'08			-142 May 07 j 20:56	0° II	
	-145 Oct 29 j 16:56	0° $\underline{\Omega}$			-142 Jun 01 j 12:01	0° \ominus	
asc. node	-145 Nov 04 j 09:37	1° $\underline{\Omega}$ 38'21			-142 Jun 26 j 07:10	0° Ω	
greatest brilliancy	-145 Nov 07 j 09:06	2° $\underline{\Omega}$ 54'27	-4.7m		-142 Jul 21 j 08:36	0° M	
	-145 Dec 11 j 14:32	0° M		desc. node	-142 Aug 10 j 18:43	24° M 04'59	
morning max el	-145 Dec 14 j 16:12	3° M 05'52	46°56'01		-142 Aug 15 j 20:36	0° $\underline{\Omega}$	
	-144 Jan 08 j 12:49	0° H			-142 Sep 11 j 04:07	0° M	
	-144 Feb 03 j 12:15	0° Z		evening max el	-142 Oct 07 j 14:30	28° M 10'25	47°16'33
desc. node	-144 Feb 23 j 23:47	24° Z 15'16			-142 Oct 09 j 10:27	0° H	
	-144 Feb 28 j 19:19	0° \approx		greatest brilliancy	-142 Nov 15 j 04:30	28° H 34'43	-4.7m
	-144 Mar 24 j 19:21	0° H			-142 Nov 19 j 00:27	0° Z	
	-144 Apr 18 j 15:43	0° Y		retrograde	-142 Nov 27 j 07:49	1° Z 20'03	
	-144 May 13 j 09:20	0° Z		asc. node	-142 Dec 01 j 21:32	0° Z 53'56	
	-144 Jun 06 j 23:47	0° II			-142 Dec 05 j 07:47	30° H	
morning set	-144 Jun 14 j 14:16	9° II 18'32		evening set	-142 Dec 11 j 21:17	27° H 03'29	

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Attention, astronomical year style is used: The year -201 in astronomical counting style is the year 202 BCE in historical counting style.

min. Earth dist.	-142 Dec 17 j 01:44	23°♁59'47	0.26608 AU	behind sun begin	-139 May 12 j 06:37	17°♁18'13	
inferior conj	-142 Dec 17 j 21:19	23°♁29'37	3°59'05	behind sun end	-139 May 13 j 01:34	18°♁16'23	
minimum elong	-142 Dec 17 j 13:12	23°♁42'07	3°56'44	asc. node	-139 May 18 j 16:53	25°♁11'39	
morning rise	-142 Dec 23 j 05:47	20°♁19'09			-139 May 22 j 14:49	0°♁	
direct	-141 Jan 07 j 06:17	15°♁51'22			-139 Jun 16 j 00:45	0°♁	
greatest brilliancy	-141 Jan 18 j 02:35	18°♁04'21	-4.6m	evening rise	-139 Jun 17 j 12:52	1°♁51'00	
	-141 Feb 06 j 10:14	0°♁			-139 Jul 10 j 09:58	0°♁	
morning max el	-141 Feb 26 j 01:51	17°♁42'37	46°25'58		-139 Aug 03 j 19:19	0°♁	
	-141 Mar 10 j 03:43	0°♁			-139 Aug 28 j 06:18	0°♁	
desc. node	-141 Mar 23 j 11:30	14°♁17'30		desc. node	-139 Sep 07 j 06:37	12°♁14'24	
	-141 Apr 06 j 14:49	0°♁			-139 Sep 21 j 20:38	0°♁	
	-141 May 02 j 18:45	0°♁			-139 Oct 16 j 16:48	0°♁	
	-141 May 28 j 07:23	0°♁			-139 Nov 11 j 00:46	0°♁	
	-141 Jun 22 j 09:37	0°♁			-139 Dec 07 j 14:07	0°♁	
asc. node	-141 Jul 14 j 14:30	26°♁55'52		evening max el	-139 Dec 18 j 07:35	11°♁17'52	47°06'16
	-141 Jul 17 j 02:46	0°♁		asc. node	-139 Dec 29 j 09:34	22°♁08'28	
	-141 Aug 10 j 11:40	0°♁			-138 Jan 07 j 08:33	0°♁	
morning set	-141 Aug 23 j 01:33	15°♁37'38		greatest brilliancy	-138 Jan 24 j 04:21	11°♁15'45	-4.6m
	-141 Sep 03 j 14:00	0°♁		retrograde	-138 Feb 07 j 03:19	14°♁51'39	
	-141 Sep 27 j 12:18	0°♁		evening set	-138 Feb 25 j 01:49	8°♁38'01	
max. Earth dist.	-141 Sep 27 j 18:15	0°♁18'41	1.71397 AU	min. Earth dist.	-138 Feb 27 j 21:43	6°♁51'28	0.28396 AU
				inferior conj	-138 Feb 28 j 07:52	6°♁35'22	8°28'24
superior conj	-141 Sep 30 j 00:20	3°♁08'32	1°09'24	minimum elong	-138 Feb 28 j 11:10	6°♁30'06	8°28'14
minimum elong	-141 Sep 30 j 10:10	3°♁39'25	1°09'08	morning rise	-138 Mar 03 j 20:43	4°♁22'37	
	-141 Oct 21 j 09:02	0°♁			-138 Mar 12 j 15:57	30°♁	
desc. node	-141 Nov 03 j 04:24	16°♁05'56		direct	-138 Mar 21 j 09:50	28°♁27'24	
evening rise	-141 Nov 09 j 15:47	24°♁14'01			-138 Mar 30 j 13:47	0°♁	
	-141 Nov 14 j 05:57	0°♁		greatest brilliancy	-138 Apr 01 j 19:25	0°♁47'53	-4.5m
	-141 Dec 08 j 04:08	0°♁		desc. node	-138 Apr 19 j 23:15	11°♁40'41	
	-140 Jan 01 j 04:53	0°♁		morning max el	-138 May 09 j 07:01	28°♁30'04	45°49'28
	-140 Jan 25 j 10:39	0°♁			-138 May 10 j 20:26	0°♁	
	-140 Feb 19 j 01:29	0°♁			-138 Jun 08 j 18:06	0°♁	
asc. node	-140 Feb 24 j 07:11	6°♁17'54			-138 Jul 05 j 10:06	0°♁	
	-140 Mar 15 j 07:28	0°♁			-138 Jul 30 j 23:34	0°♁	
	-140 Apr 10 j 15:35	0°♁		asc. node	-138 Aug 11 j 02:20	13°♁20'24	
	-140 May 09 j 07:47	0°♁			-138 Aug 24 j 19:21	0°♁	
evening max el	-140 May 11 j 12:30	2°♁06'55	45°17'36		-138 Sep 18 j 02:48	0°♁	
desc. node	-140 Jun 14 j 21:05	28°♁07'53			-138 Oct 12 j 02:37	0°♁	
greatest brilliancy	-140 Jun 16 j 03:58	28°♁41'55	-4.5m	morning set	-138 Nov 04 j 00:18	28°♁48'54	
	-140 Jun 19 j 15:14	0°♁			-138 Nov 04 j 22:53	0°♁	
retrograde	-140 Jun 28 j 23:15	1°♁34'14			-138 Nov 28 j 18:28	0°♁	
	-140 Jul 07 j 22:51	30°♁		desc. node	-138 Nov 30 j 16:15	2°♁24'06	
evening set	-140 Jul 15 j 09:04	26°♁31'43					
inferior conj	-140 Jul 20 j 08:15	23°♁32'36	-7°-8'-29	superior conj	-138 Dec 15 j 15:37	21°♁14'21	0°-34'-34
minimum elong	-140 Jul 19 j 22:41	23°♁47'25	7°06'53	minimum elong	-138 Dec 15 j 06:52	20°♁46'51	0°34'11
min. Earth dist.	-140 Jul 20 j 14:16	23°♁23'18	0.28597 AU	max. Earth dist.	-138 Dec 18 j 10:38	24°♁44'53	1.71177 AU
morning rise	-140 Jul 24 j 11:58	21°♁00'40			-138 Dec 22 j 14:59	0°♁	
direct	-140 Aug 10 j 20:49	15°♁20'52			-137 Jan 15 j 13:29	0°♁	
greatest brilliancy	-140 Aug 25 j 06:46	19°♁00'10	-4.6m	evening rise	-137 Jan 26 j 01:16	13°♁06'05	
	-140 Sep 11 j 00:18	0°♁			-137 Feb 08 j 15:04	0°♁	
morning max el	-140 Sep 29 j 20:55	17°♁12'39	46°32'44		-137 Mar 04 j 21:19	0°♁	
asc. node	-140 Oct 05 j 23:55	23°♁28'30		asc. node	-137 Mar 23 j 19:10	23°♁09'50	
	-140 Oct 12 j 03:36	0°♁			-137 Mar 29 j 10:00	0°♁	
	-140 Nov 07 j 16:13	0°♁			-137 Apr 23 j 07:13	0°♁	
	-140 Dec 02 j 18:33	0°♁			-137 May 18 j 16:13	0°♁	
	-140 Dec 27 j 07:42	0°♁			-137 Jun 13 j 20:02	0°♁	
	-139 Jan 20 j 16:21	0°♁			-137 Jul 11 j 13:22	0°♁	
desc. node	-139 Jan 25 j 13:55	6°♁02'29		desc. node	-137 Jul 13 j 08:54	1°♁51'47	
	-139 Feb 14 j 00:08	0°♁		evening max el	-137 Jul 23 j 14:45	12°♁02'36	46°03'23
	-139 Mar 10 j 08:31	0°♁			-137 Aug 13 j 05:48	0°♁	
	-139 Apr 03 j 17:58	0°♁		greatest brilliancy	-137 Aug 31 j 13:21	10°♁36'44	-4.6m
morning set	-139 Apr 05 j 16:55	2°♁24'13		retrograde	-137 Sep 10 j 23:45	12°♁35'36	
	-139 Apr 28 j 04:18	0°♁		evening set	-137 Sep 27 j 17:07	7°♁17'05	
max. Earth dist.	-139 May 12 j 02:18	17°♁05'00	1.73652 AU	inferior conj	-137 Oct 01 j 17:35	4°♁53'41	-7°-12'-3
				minimum elong	-137 Oct 02 j 03:52	4°♁38'06	7°10'09
superior conj	-139 May 12 j 13:09	17°♁38'15	0°-14'-30	min. Earth dist.	-137 Oct 02 j 12:48	4°♁24'33	0.27036 AU
minimum elong	-139 May 12 j 16:05	17°♁47'18	0°14'23	morning rise	-137 Oct 06 j 14:12	2°♁01'03	

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Attention, astronomical year style is used: The year -201 in astronomical counting style is the year 202 BCE in historical counting style.

	-137 Oct 10 j 11:41	30°♍		asc. node	-134 Apr 20 j 07:07	9°♌09'24	
direct	-137 Oct 22 j 10:45	27°♍05'51			-134 May 07 j 07:56	0°♌	
asc. node	-137 Nov 03 j 11:45	29°♍49'05			-134 May 31 j 23:17	0°♌	
	-137 Nov 03 j 21:49	0°♌			-134 Jun 25 j 18:57	0°♌	
greatest brilliancy	-137 Nov 05 j 00:08	0°♌29'58	-4.7m		-134 Jul 20 j 21:14	0°♍	
	-137 Dec 11 j 14:09	0°♌		desc. node	-134 Aug 09 j 20:40	23°♍30'30	
morning max el	-137 Dec 12 j 07:02	0°♌43'00	46°56'04		-134 Aug 15 j 10:43	0°♌	
	-136 Jan 08 j 05:37	0°♌			-134 Sep 10 j 21:07	0°♌	
	-136 Feb 03 j 02:30	0°♌		evening max el	-134 Oct 05 j 04:26	25°♌46'27	47°14'52
desc. node	-136 Feb 23 j 01:41	23°♌41'45			-134 Oct 09 j 11:07	0°♌	
	-136 Feb 28 j 08:14	0°♌		greatest brilliancy	-134 Nov 12 j 20:30	26°♌09'15	-4.7m
	-136 Mar 24 j 07:26	0°♌		retrograde	-134 Nov 24 j 20:20	28°♌50'32	
	-136 Apr 18 j 03:13	0°♌		asc. node	-134 Nov 30 j 23:41	28°♌03'39	
	-136 May 12 j 20:27	0°♌		evening set	-134 Dec 09 j 08:22	24°♌37'15	
	-136 Jun 06 j 10:41	0°♌		min. Earth dist.	-134 Dec 14 j 15:35	21°♌29'40	0.26562 AU
morning set	-136 Jun 12 j 08:50	7°♌15'08		inferior conj	-134 Dec 15 j 09:51	21°♌01'31	3°37'25
asc. node	-136 Jun 15 j 04:45	10°♌43'15		minimum elong	-134 Dec 15 j 02:19	21°♌13'08	3°35'11
	-136 Jun 30 j 21:08	0°♌		morning rise	-134 Dec 20 j 20:52	17°♌47'25	
max. Earth dist.	-136 Jul 15 j 02:04	17°♌32'07	1.72985 AU	direct	-133 Jan 04 j 18:20	13°♌24'08	
				greatest brilliancy	-133 Jan 15 j 16:13	15°♌38'16	-4.6m
superior conj	-136 Jul 18 j 15:34	21°♌56'36	1°08'15		-133 Feb 06 j 22:18	0°♌	
minimum elong	-136 Jul 18 j 07:10	21°♌30'37	1°08'00	morning max el	-133 Feb 23 j 13:54	15°♌16'57	46°27'26
	-136 Jul 25 j 03:35	0°♌			-133 Mar 09 j 22:46	0°♌	
	-136 Aug 18 j 06:54	0°♌		desc. node	-133 Mar 22 j 13:39	13°♌37'48	
evening rise	-136 Aug 24 j 02:39	7°♌15'15			-133 Apr 06 j 05:39	0°♌	
	-136 Sep 11 j 08:39	0°♌			-133 May 02 j 07:42	0°♌	
desc. node	-136 Oct 04 j 18:35	29°♌10'45			-133 May 27 j 19:20	0°♌	
	-136 Oct 05 j 10:25	0°♌			-133 Jun 21 j 20:58	0°♌	
	-136 Oct 29 j 13:27	0°♌		asc. node	-133 Jul 13 j 16:31	26°♌28'22	
	-136 Nov 22 j 19:17	0°♌			-133 Jul 16 j 13:46	0°♌	
	-136 Dec 17 j 07:12	0°♌			-133 Aug 09 j 22:29	0°♌	
	-135 Jan 11 j 08:25	0°♌		morning set	-133 Aug 20 j 17:33	13°♌24'23	
asc. node	-135 Jan 25 j 21:17	16°♌51'25			-133 Sep 03 j 00:47	0°♌	
	-135 Feb 06 j 14:50	0°♌		max. Earth dist.	-133 Sep 25 j 03:26	27°♌42'46	1.71445 AU
evening max el	-135 Feb 27 j 13:54	21°♌56'14	45°52'52		-133 Sep 26 j 23:09	0°♌	
	-135 Mar 08 j 02:21	0°♌		superior conj	-133 Sep 27 j 13:51	0°♌46'11	1°11'25
greatest brilliancy	-135 Apr 02 j 21:16	18°♌48'32	-4.5m	minimum elong	-133 Sep 27 j 23:18	1°♌15'52	1°11'10
retrograde	-135 Apr 17 j 16:28	22°♌38'11			-133 Oct 20 j 20:01	0°♌	
evening set	-135 May 03 j 00:44	18°♌03'26		desc. node	-133 Nov 02 j 06:34	15°♌38'06	
inferior conj	-135 May 09 j 02:31	14°♌23'03	1°56'10	evening rise	-133 Nov 07 j 01:52	21°♌40'13	
minimum elong	-135 May 09 j 06:39	14°♌16'33	1°54'59		-133 Nov 13 j 17:03	0°♌	
min. Earth dist.	-135 May 09 j 07:40	14°♌14'58	0.29006 AU		-133 Dec 07 j 15:21	0°♌	
morning rise	-135 May 15 j 12:42	10°♌31'22			-133 Dec 31 j 16:14	0°♌	
desc. node	-135 May 17 j 11:09	9°♌30'35			-132 Jan 24 j 22:17	0°♌	
direct	-135 May 30 j 18:48	6°♌03'36			-132 Feb 18 j 13:37	0°♌	
greatest brilliancy	-135 Jun 13 j 08:55	9°♌17'34	-4.5m	asc. node	-132 Feb 23 j 09:15	5°♌47'19	
	-135 Jul 12 j 06:53	0°♌			-132 Mar 14 j 20:38	0°♌	
morning max el	-135 Jul 18 j 17:08	6°♌00'09	45°52'26		-132 Apr 10 j 07:02	0°♌	
	-135 Aug 11 j 00:48	0°♌		evening max el	-132 May 09 j 02:49	29°♌52'49	45°17'26
	-135 Sep 06 j 13:48	0°♌			-132 May 09 j 05:50	0°♌	
asc. node	-135 Sep 07 j 14:12	1°♌11'21		greatest brilliancy	-132 Jun 13 j 16:07	26°♌27'02	-4.5m
	-135 Oct 01 j 17:27	0°♌		desc. node	-132 Jun 13 j 23:09	26°♌34'30	
	-135 Oct 26 j 03:34	0°♌		retrograde	-132 Jun 26 j 14:18	29°♌22'58	
	-135 Nov 19 j 05:12	0°♌		evening set	-132 Jul 12 j 21:08	24°♌24'21	
desc. node	-135 Dec 13 j 03:57	0°♌		inferior conj	-132 Jul 17 j 23:42	21°♌20'42	-6°-56'-13
	-135 Dec 28 j 04:06	18°♌47'53		minimum elong	-132 Jul 17 j 13:54	21°♌35'51	6°54'29
	-134 Jan 06 j 02:52	0°♌		min. Earth dist.	-132 Jul 18 j 05:33	21°♌11'38	0.28627 AU
morning set	-134 Jan 20 j 08:04	17°♌46'13		morning rise	-132 Jul 22 j 06:18	18°♌44'33	
	-134 Jan 30 j 03:18	0°♌		direct	-132 Aug 08 j 11:59	13°♌08'15	
	-134 Feb 23 j 05:56	0°♌		greatest brilliancy	-132 Aug 22 j 23:34	16°♌48'42	-4.6m
superior conj	-134 Mar 01 j 13:14	7°♌49'17	-1°-23'-48		-132 Sep 11 j 09:10	0°♌	
minimum elong	-134 Mar 01 j 17:07	8°♌01'19	1°23'46	morning max el	-132 Sep 27 j 11:21	14°♌54'05	46°31'24
max. Earth dist.	-134 Mar 05 j 04:39	12°♌20'08	1.72623 AU	asc. node	-132 Oct 05 j 02:05	22°♌42'50	
	-134 Mar 19 j 11:22	0°♌			-132 Oct 11 j 21:39	0°♌	
evening rise	-134 Apr 08 j 22:52	25°♌13'55			-132 Nov 07 j 06:46	0°♌	
	-134 Apr 12 j 20:00	0°♌			-132 Dec 02 j 07:37	0°♌	

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Attention, astronomical year style is used: The year -201 in astronomical counting style is the year 202 BCE in historical counting style.

	-132 Dec 26 j 19:58	0°♁		desc. node	-129 Jul 12 j 10:52	1°♎05'39	
	-131 Jan 20 j 04:05	0°♁		evening max el	-129 Jul 21 j 05:08	9°♎45'28	46°00'50
desc. node	-131 Jan 24 j 15:53	5°♁32'36			-129 Aug 14 j 00:52	0°♎	
	-131 Feb 13 j 11:29	0°♁		greatest brilliancy	-129 Aug 29 j 00:30	8°♎11'48	-4.6m
	-131 Mar 09 j 19:33	0°♁		retrograde	-129 Sep 08 j 12:25	10°♎11'19	
	-131 Apr 03 j 04:47	0°♁		evening set	-129 Sep 25 j 08:57	4°♎48'01	
morning set	-131 Apr 03 j 09:19	0°♁13'57		inferior conj	-129 Sep 29 j 06:15	2°♎28'51	-7°-25'-15
	-131 Apr 27 j 14:59	0°♁		minimum elong	-129 Sep 29 j 16:14	2°♎13'41	7°23'31
max. Earth dist.	-131 May 09 j 22:32	15°♁07'11	1.73647 AU	min. Earth dist.	-129 Sep 30 j 01:25	1°♎59'45	0.27095 AU
					-129 Oct 03 j 10:03	30°♎	
superior conj	-131 May 10 j 07:07	15°♁33'30	0°-17'-37	morning rise	-129 Oct 03 j 23:11	29°♎41'18	
minimum elong	-131 May 10 j 10:40	15°♁44'26	0°17'27	direct	-129 Oct 20 j 00:48	24°♎40'17	
asc. node	-131 May 17 j 18:57	24°♁45'24		greatest brilliancy	-129 Nov 02 j 14:01	28°♎04'36	-4.7m
	-131 May 22 j 01:27	0°♁		asc. node	-129 Nov 02 j 13:48	28°♎04'20	
evening rise	-131 Jun 15 j 07:59	29°♁49'20			-129 Nov 06 j 06:40	0°♎	
	-131 Jun 15 j 11:27	0°♁		morning max el	-129 Dec 09 j 21:25	28°♎19'46	46°56'15
	-131 Jul 09 j 20:52	0°♁			-129 Dec 11 j 12:28	0°♎	
	-131 Aug 03 j 06:32	0°♁			-128 Jan 07 j 21:47	0°♁	
	-131 Aug 27 j 17:58	0°♁			-128 Feb 02 j 16:17	0°♁	
desc. node	-131 Sep 06 j 08:46	11°♎44'44		desc. node	-128 Feb 22 j 03:51	23°♁10'04	
	-131 Sep 21 j 08:56	0°♎			-128 Feb 27 j 20:46	0°♁	
	-131 Oct 16 j 06:03	0°♁			-128 Mar 23 j 19:13	0°♁	
	-131 Nov 10 j 15:44	0°♁			-128 Apr 17 j 14:30	0°♁	
	-131 Dec 07 j 09:01	0°♁			-128 May 12 j 07:22	0°♁	
evening max el	-131 Dec 15 j 22:07	8°♁57'10	47°08'11		-128 Jun 05 j 21:24	0°♁	
asc. node	-131 Dec 28 j 11:31	21°♁09'47		morning set	-128 Jun 10 j 03:13	5°♁11'38	
	-130 Jan 07 j 20:50	0°♁		asc. node	-128 Jun 14 j 06:43	10°♁16'31	
greatest brilliancy	-130 Jan 21 j 20:13	8°♁59'16	-4.6m		-128 Jun 30 j 07:47	0°♁	
retrograde	-130 Feb 04 j 19:22	12°♁35'47		max. Earth dist.	-128 Jul 12 j 20:30	15°♁27'46	1.73031 AU
evening set	-130 Feb 22 j 17:59	6°♁20'55					
min. Earth dist.	-130 Feb 25 j 12:01	4°♁37'29	0.28349 AU	superior conj	-128 Jul 16 j 09:31	19°♁50'38	1°06'19
inferior conj	-130 Feb 25 j 23:16	4°♁19'39	8°31'59	minimum elong	-128 Jul 16 j 00:59	19°♁24'13	1°06'03
minimum elong	-130 Feb 26 j 01:50	4°♁15'35	8°31'53		-128 Jul 24 j 14:17	0°♁	
morning rise	-130 Mar 01 j 09:53	2°♁10'35			-128 Aug 17 j 17:44	0°♁	
	-130 Mar 05 j 05:24	30°♁		evening rise	-128 Aug 21 j 18:31	5°♁01'17	
direct	-130 Mar 19 j 00:20	26°♁12'23			-128 Sep 10 j 19:41	0°♁	
greatest brilliancy	-130 Mar 30 j 09:06	28°♁32'25	-4.5m	desc. node	-128 Oct 03 j 20:43	28°♎42'10	
	-130 Apr 02 j 17:37	0°♁			-128 Oct 04 j 21:44	0°♎	
desc. node	-130 Apr 19 j 01:23	10°♁34'59			-128 Oct 29 j 01:06	0°♁	
morning max el	-130 May 06 j 22:47	26°♁19'00	45°50'15		-128 Nov 22 j 07:20	0°♁	
	-130 May 10 j 18:00	0°♁			-128 Dec 16 j 19:51	0°♁	
	-130 Jun 08 j 09:29	0°♁			-127 Jan 10 j 22:12	0°♁	
	-130 Jul 04 j 23:11	0°♁		asc. node	-127 Jan 24 j 23:23	16°♁14'45	
	-130 Jul 30 j 11:33	0°♁			-127 Feb 06 j 07:21	0°♁	
asc. node	-130 Aug 10 j 04:21	12°♁51'06		evening max el	-127 Feb 25 j 05:52	19°♁44'43	45°55'07
	-130 Aug 24 j 06:47	0°♁			-127 Mar 08 j 04:38	0°♁	
	-130 Sep 17 j 13:57	0°♁		greatest brilliancy	-127 Mar 31 j 15:02	16°♁42'06	-4.5m
	-130 Oct 11 j 13:37	0°♁		retrograde	-127 Apr 15 j 08:56	20°♁30'24	
morning set	-130 Nov 01 j 11:55	26°♁19'53		evening set	-127 Apr 30 j 19:07	15°♁53'35	
	-130 Nov 04 j 09:49	0°♎		inferior conj	-127 May 06 j 19:12	12°♁15'10	2°15'09
	-130 Nov 28 j 05:21	0°♁		minimum elong	-127 May 06 j 23:58	12°♁07'40	2°13'48
desc. node	-130 Nov 29 j 18:18	1°♁56'16		min. Earth dist.	-127 May 07 j 00:25	12°♁06'57	0.29005 AU
				morning rise	-127 May 13 j 04:57	8°♁23'40	
superior conj	-130 Dec 13 j 01:06	18°♁39'04	0°-30'-51	desc. node	-127 May 16 j 13:11	6°♁42'35	
minimum elong	-130 Dec 12 j 17:08	18°♁14'01	0°30'30	direct	-127 May 28 j 11:32	3°♁55'55	
max. Earth dist.	-130 Dec 15 j 18:36	22°♁04'56	1.71152 AU	greatest brilliancy	-127 Jun 10 j 22:49	7°♁06'35	-4.5m
	-130 Dec 22 j 01:52	0°♁			-127 Jul 12 j 07:24	0°♁	
	-129 Jan 15 j 00:22	0°♁		morning max el	-127 Jul 16 j 08:30	3°♁48'54	45°51'27
evening rise	-129 Jan 23 j 12:35	10°♁37'44			-127 Aug 10 j 16:59	0°♁	
	-129 Feb 08 j 02:00	0°♁			-127 Sep 06 j 03:23	0°♁	
	-129 Mar 04 j 08:21	0°♁		asc. node	-127 Sep 06 j 16:25	0°♁38'09	
asc. node	-129 Mar 22 j 21:18	22°♁42'11			-127 Oct 01 j 05:54	0°♁	
	-129 Mar 28 j 21:17	0°♁			-127 Oct 25 j 15:26	0°♁	
	-129 Apr 22 j 19:02	0°♁			-127 Nov 18 j 16:44	0°♎	
	-129 May 18 j 05:03	0°♁			-127 Dec 12 j 15:18	0°♁	
	-129 Jun 13 j 10:53	0°♁		desc. node	-127 Dec 27 j 06:03	18°♁18'52	
	-129 Jul 11 j 09:03	0°♁			-126 Jan 05 j 14:02	0°♁	

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Attention, astronomical year style is used: The year -201 in astronomical counting style is the year 202 BCE in historical counting style.

morning set	-126 Jan 17 j 18:45	15°☾15'11		min. Earth dist.	-124 Jul 15 j 20:44	19°☾00'29	0.28662 AU
	-126 Jan 29 j 14:17	0°≈		morning rise	-124 Jul 20 j 00:52	16°☾28'33	
	-126 Feb 22 j 16:47	0°✕		direct	-124 Aug 06 j 03:51	10°☾55'37	
				greatest brilliancy	-124 Aug 20 j 16:55	14°☾37'44	-4.6m
superior conj	-126 Feb 27 j 03:21	5°✕30'37	-1°-24'-24		-124 Sep 11 j 15:52	0°♁	
minimum elong	-126 Feb 27 j 06:25	5°✕40'07	1°24'24	morning max el	-124 Sep 25 j 02:57	12°♁37'52	46°29'56
max. Earth dist.	-126 Mar 02 j 23:04	10°✕14'56	1.72564 AU	asc. node	-124 Oct 04 j 04:05	21°♁56'28	
	-126 Mar 18 j 22:09	0°♁			-124 Oct 11 j 15:38	0°♁	
evening rise	-126 Apr 06 j 15:26	23°♁04'06			-124 Nov 06 j 21:28	0°♁	
	-126 Apr 12 j 06:48	0°♁			-124 Dec 01 j 20:54	0°♁	
asc. node	-126 Apr 19 j 09:10	8°♁42'30			-124 Dec 26 j 08:27	0°♁	
	-126 May 06 j 18:54	0°♁			-123 Jan 19 j 16:03	0°♁	
	-126 May 31 j 10:35	0°☾		desc. node	-123 Jan 23 j 18:01	5°☾02'30	
	-126 Jun 25 j 06:47	0°♁			-123 Feb 12 j 23:04	0°≈	
	-126 Jul 20 j 10:00	0°♁			-123 Mar 09 j 06:52	0°✕	
desc. node	-126 Aug 08 j 22:50	22°♁56'18		morning set	-123 Apr 01 j 01:42	28°✕02'38	
	-126 Aug 15 j 01:04	0°♁			-123 Apr 02 j 15:52	0°♁	
	-126 Sep 10 j 14:32	0°♁			-123 Apr 27 j 01:55	0°♁	
evening max el	-126 Oct 02 j 17:19	23°♁19'44	47°13'06	max. Earth dist.	-123 May 07 j 20:27	13°♁13'43	1.73635 AU
	-126 Oct 09 j 13:09	0°♁					
greatest brilliancy	-126 Nov 10 j 12:30	23°♁43'17	-4.7m	superior conj	-123 May 08 j 01:13	13°♁28'20	0°-20'-42
retrograde	-126 Nov 22 j 08:27	26°♁20'42		minimum elong	-123 May 08 j 05:23	13°♁41'07	0°20'30
asc. node	-126 Nov 30 j 01:42	25°♁06'56		asc. node	-123 May 16 j 20:58	24°♁18'14	
evening set	-126 Dec 06 j 19:33	22°♁09'57			-123 May 21 j 12:19	0°♁	
min. Earth dist.	-126 Dec 12 j 05:43	18°♁58'31	0.26521 AU	evening rise	-123 Jun 13 j 03:24	27°♁47'58	
inferior conj	-126 Dec 12 j 22:18	18°♁32'59	3°15'07		-123 Jun 14 j 22:23	0°☾	
minimum elong	-126 Dec 12 j 15:25	18°♁43'36	3°13'04		-123 Jul 09 j 08:00	0°♁	
morning rise	-126 Dec 18 j 11:45	15°♁15'25			-123 Aug 02 j 18:02	0°♁	
direct	-125 Jan 02 j 05:55	10°♁56'00			-123 Aug 27 j 05:59	0°♁	
greatest brilliancy	-125 Jan 13 j 06:55	13°♁12'41	-4.6m	desc. node	-123 Sep 05 j 10:51	11°♁13'41	
	-125 Feb 07 j 07:25	0°☾			-123 Sep 20 j 21:40	0°♁	
morning max el	-125 Feb 21 j 02:06	12°☾51'00	46°29'09		-123 Oct 15 j 19:50	0°♁	
	-125 Mar 09 j 17:24	0°≈			-123 Nov 10 j 07:21	0°☾	
desc. node	-125 Mar 21 j 15:44	12°≈58'10			-123 Dec 07 j 04:55	0°≈	
	-125 Apr 05 j 20:21	0°✕		evening max el	-123 Dec 13 j 13:33	6°≈37'31	47°10'08
	-125 May 01 j 20:36	0°♁		asc. node	-123 Dec 27 j 13:37	20°≈08'53	
	-125 May 27 j 07:17	0°♁			-122 Jan 08 j 14:03	0°✕	
	-125 Jun 21 j 08:22	0°♁		greatest brilliancy	-122 Jan 19 j 12:06	6°✕41'27	-4.6m
asc. node	-125 Jul 12 j 18:35	26°♁00'41		retrograde	-122 Feb 02 j 11:40	10°✕18'14	
	-125 Jul 16 j 00:52	0°☾		evening set	-122 Feb 20 j 09:44	4°✕02'42	
	-125 Aug 09 j 09:27	0°♁		min. Earth dist.	-122 Feb 23 j 01:55	2°✕22'17	0.28298 AU
morning set	-125 Aug 18 j 09:34	11°♁10'46		inferior conj	-122 Feb 23 j 14:32	2°✕02'18	8°34'47
	-125 Sep 02 j 11:44	0°♁		minimum elong	-122 Feb 23 j 16:21	1°✕59'26	8°34'45
max. Earth dist.	-125 Sep 22 j 14:55	25°♁13'33	1.71492 AU	morning rise	-122 Feb 26 j 23:11	29°≈56'30	
					-122 Feb 26 j 20:53	30°≈	
superior conj	-125 Sep 25 j 03:25	28°♁23'27	1°13'18	direct	-122 Mar 16 j 15:09	23°≈55'52	
minimum elong	-125 Sep 25 j 12:24	28°♁51'41	1°13'04	greatest brilliancy	-122 Mar 27 j 21:43	26°≈14'23	-4.5m
	-125 Sep 26 j 10:10	0°♁			-122 Apr 04 j 14:39	0°✕	
	-125 Oct 20 j 07:09	0°♁		desc. node	-122 Apr 18 j 03:23	9°✕29'35	
desc. node	-125 Nov 01 j 08:33	15°♁09'12		morning max el	-122 May 04 j 15:05	24°✕08'09	45°51'08
evening rise	-125 Nov 04 j 12:03	19°♁06'16			-122 May 10 j 15:13	0°♁	
	-125 Nov 13 j 04:19	0°♁			-122 Jun 08 j 00:57	0°♁	
	-125 Dec 07 j 02:45	0°☾			-122 Jul 04 j 12:27	0°♁	
	-125 Dec 31 j 03:49	0°≈			-122 Jul 29 j 23:45	0°☾	
	-124 Jan 24 j 10:09	0°✕		asc. node	-122 Aug 09 j 06:34	12°☾21'44	
	-124 Feb 18 j 02:01	0°♁			-122 Aug 23 j 18:27	0°♁	
asc. node	-124 Feb 22 j 11:26	5°♁16'21			-122 Sep 17 j 01:22	0°♁	
	-124 Mar 14 j 10:04	0°♁			-122 Oct 11 j 00:57	0°♁	
	-124 Apr 09 j 22:49	0°♁		morning set	-122 Oct 29 j 23:30	23°♁49'38	
evening max el	-124 May 06 j 17:48	27°♁40'16	45°17'29		-122 Nov 03 j 21:07	0°♁	
	-124 May 09 j 04:52	0°☾			-122 Nov 27 j 16:39	0°♁	
greatest brilliancy	-124 Jun 11 j 03:18	24°☾11'10	-4.5m	desc. node	-122 Nov 28 j 20:20	1°♁27'08	
desc. node	-124 Jun 13 j 01:07	24°☾57'43					
retrograde	-124 Jun 24 j 05:55	27°☾11'59		superior conj	-122 Dec 10 j 10:11	16°♁01'06	0°-27'-2
evening set	-124 Jul 10 j 09:32	22°☾16'54		minimum elong	-122 Dec 10 j 03:06	15°♁38'50	0°26'44
inferior conj	-124 Jul 15 j 15:20	19°☾08'50	-6°-43'-17	max. Earth dist.	-122 Dec 13 j 03:20	19°♁25'57	1.71127 AU
minimum elong	-124 Jul 15 j 05:23	19°☾24'11	6°41'27		-122 Dec 21 j 13:09	0°☾	

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Attention, astronomical year style is used: The year -201 in astronomical counting style is the year 202 BCE in historical counting style.

evening rise	-121 Jan 14 j 11:40	0°≈		morning max el	-119 Jul 13 j 23:27	1°Ⅱ35'44	45°50'42
	-121 Jan 20 j 23:22	8°≈06'23			-119 Aug 10 j 09:09	0°☉	
	-121 Feb 07 j 13:20	0°✕			-119 Sep 05 j 17:03	0°♁	
asc. node	-121 Mar 03 j 19:47	0°∇		asc. node	-119 Sep 05 j 18:21	0°♁03'48	
	-121 Mar 21 j 23:20	22°∇12'59			-119 Sep 30 j 18:25	0°♃	
	-121 Mar 28 j 09:00	0°♄			-119 Oct 25 j 03:22	0°♅	
	-121 Apr 22 j 07:17	0°♆			-119 Nov 18 j 04:22	0°♇	
	-121 May 17 j 18:21	0°☉			-119 Dec 12 j 02:44	0°♁	
	-121 Jun 13 j 02:16	0°♁		desc. node	-119 Dec 26 j 08:14	17°♁50'11	
	-121 Jul 11 j 05:37	0°♃			-118 Jan 05 j 01:21	0°♄	
desc. node	-121 Jul 11 j 13:04	0°♃18'46		morning set	-118 Jan 15 j 05:05	12°♄42'20	
evening max el	-121 Jul 18 j 19:32	7°♃27'56	45°58'20		-118 Jan 29 j 01:29	0°≈	
	-121 Aug 15 j 02:53	0°♅			-118 Feb 22 j 03:52	0°✕	
greatest brilliancy	-121 Aug 26 j 12:25	5°♅47'55	-4.6m				
retrograde	-121 Sep 06 j 00:48	7°♅47'19		superior conj	-118 Feb 24 j 16:50	3°✕09'12	-1°-24'-51
evening set	-121 Sep 23 j 00:57	2°♅19'35		minimum elong	-118 Feb 24 j 19:03	3°✕16'05	1°24'52
inferior conj	-121 Sep 26 j 19:15	0°♅04'25	-7°-37'-18	max. Earth dist.	-118 Feb 28 j 13:54	7°✕57'49	1.72507 AU
minimum elong	-121 Sep 27 j 04:51	29°♃49'48	7°35'45		-118 Mar 18 j 09:11	0°∇	
	-121 Sep 26 j 22:09	30°♃		evening rise	-118 Apr 04 j 07:14	20°∇51'07	
min. Earth dist.	-121 Sep 27 j 14:27	29°♃35'11	0.27158 AU		-118 Apr 11 j 17:52	0°♄	
morning rise	-121 Oct 01 j 08:25	27°♃21'49		asc. node	-118 Apr 18 j 11:09	8°♄14'40	
direct	-121 Oct 17 j 14:53	22°♃15'05			-118 May 06 j 06:06	0°♆	
greatest brilliancy	-121 Oct 31 j 04:02	25°♃38'59	-4.7m		-118 May 30 j 22:06	0°☉	
asc. node	-121 Nov 01 j 15:50	26°♃23'05			-118 Jun 24 j 18:53	0°♁	
	-121 Nov 07 j 19:36	0°♅			-118 Jul 19 j 23:02	0°♃	
morning max el	-121 Dec 07 j 11:05	25°♅53'32	46°56'03	desc. node	-118 Aug 08 j 00:54	22°♃21'10	
	-121 Dec 11 j 10:23	0°♇			-118 Aug 14 j 15:42	0°♅	
	-120 Jan 07 j 14:11	0°♁			-118 Sep 10 j 08:25	0°♇	
	-120 Feb 02 j 06:27	0°♄		evening max el	-118 Sep 30 j 05:57	20°♃52'37	47°11'30
desc. node	-120 Feb 21 j 05:58	22°♄37'00			-118 Oct 09 j 16:38	0°♁	
	-120 Feb 27 j 09:42	0°≈		greatest brilliancy	-118 Nov 08 j 03:39	21°♁16'50	-4.7m
	-120 Mar 23 j 07:22	0°✕		retrograde	-118 Nov 19 j 20:50	23°♁51'48	
	-120 Apr 17 j 02:07	0°∇		asc. node	-118 Nov 29 j 03:45	22°♁05'23	
	-120 May 11 j 18:38	0°♄		evening set	-118 Dec 04 j 07:05	19°♁42'49	
	-120 Jun 05 j 08:27	0°♆		min. Earth dist.	-118 Dec 09 j 19:52	16°♁28'14	0.26486 AU
morning set	-120 Jun 07 j 21:37	3°Ⅱ07'11		inferior conj	-118 Dec 10 j 10:55	16°♁05'07	2°52'36
asc. node	-120 Jun 13 j 08:51	9°Ⅱ49'18		minimum elong	-118 Dec 10 j 04:42	16°♁14'40	2°50'41
	-120 Jun 29 j 18:45	0°☉		morning rise	-118 Dec 16 j 02:41	12°♁44'31	
max. Earth dist.	-120 Jul 10 j 13:40	13°☉18'42	1.73072 AU	direct	-118 Dec 30 j 17:37	8°♁28'20	
				greatest brilliancy	-117 Jan 10 j 22:03	10°♁48'12	-4.6m
superior conj	-120 Jul 14 j 03:48	17°☉44'51	1°04'19		-117 Feb 07 j 13:55	0°♄	
minimum elong	-120 Jul 13 j 19:09	17°☉18'08	1°04'03	morning max el	-117 Feb 18 j 15:12	10°♄27'16	46°30'36
	-120 Jul 24 j 01:16	0°♁			-117 Mar 09 j 11:36	0°≈	
	-120 Aug 17 j 04:49	0°♃		desc. node	-117 Mar 20 j 17:43	12°≈18'28	
evening rise	-120 Aug 19 j 10:55	2°♃48'21			-117 Apr 05 j 10:58	0°✕	
	-120 Sep 10 j 06:57	0°♅			-117 May 01 j 09:33	0°∇	
desc. node	-120 Oct 02 j 22:43	28°♅12'33			-117 May 26 j 19:18	0°♄	
	-120 Oct 04 j 09:16	0°♇			-117 Jun 20 j 19:49	0°♆	
	-120 Oct 28 j 13:00	0°♁		asc. node	-117 Jul 11 j 20:44	25°Ⅱ33'12	
	-120 Nov 21 j 19:42	0°♄			-117 Jul 15 j 12:00	0°☉	
	-120 Dec 16 j 08:54	0°≈			-117 Aug 08 j 20:26	0°♁	
	-119 Jan 10 j 12:33	0°✕		morning set	-117 Aug 16 j 01:30	8°♁56'58	
asc. node	-119 Jan 24 j 01:32	15°✕36'32			-117 Sep 01 j 22:41	0°♃	
	-119 Feb 06 j 00:41	0°∇		max. Earth dist.	-117 Sep 20 j 03:21	22°♃47'25	1.71537 AU
evening max el	-119 Feb 22 j 20:50	17°∇29'11	45°57'29				
	-119 Mar 08 j 09:13	0°♄		superior conj	-117 Sep 22 j 17:07	26°♃01'13	1°15'02
greatest brilliancy	-119 Mar 29 j 08:23	14°♄33'30	-4.5m	minimum elong	-117 Sep 23 j 01:35	26°♃27'49	1°14'50
retrograde	-119 Apr 13 j 01:00	18°♄21'06			-117 Sep 25 j 21:11	0°♅	
evening set	-119 Apr 28 j 13:26	13°♄41'52			-117 Oct 19 j 18:15	0°♇	
inferior conj	-119 May 04 j 11:45	10°♄05'48	2°33'56	desc. node	-117 Oct 31 j 10:37	14°♃40'46	
minimum elong	-119 May 04 j 17:07	9°♄57'20	2°32'26	evening rise	-117 Nov 01 j 22:34	16°♃33'38	
min. Earth dist.	-119 May 04 j 17:18	9°♄57'03	0.29001 AU		-117 Nov 12 j 15:30	0°♁	
morning rise	-119 May 10 j 20:52	6°♄14'41			-117 Dec 06 j 14:01	0°♄	
desc. node	-119 May 15 j 15:14	3°♄56'32			-117 Dec 30 j 15:15	0°≈	
direct	-119 May 26 j 03:32	1°♄46'38			-116 Jan 23 j 21:53	0°✕	
greatest brilliancy	-119 Jun 08 j 13:08	4°♄54'49	-4.5m		-116 Feb 17 j 14:19	0°∇	
	-119 Jul 12 j 07:12	0°♆		asc. node	-116 Feb 21 j 13:23	4°∇44'56	

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Attention, astronomical year style is used: The year -201 in astronomical counting style is the year 202 BCE in historical counting style.

retrograde	-111 Apr 10 j 17:24	16°♄13'48		superior conj	-109 Sep 20 j 07:23	23°♃41'19	1°16'36
evening set	-111 Apr 26 j 08:03	11°♄31'42		minimum elong	-109 Sep 20 j 15:17	24°♃06'08	1°16'27
inferior conj	-111 May 02 j 04:32	7°♄58'22	2°52'21		-109 Sep 25 j 08:03	0°♌	
minimum elong	-111 May 02 j 10:28	7°♄49'00	2°50'44		-109 Oct 19 j 05:16	0°♌	
min. Earth dist.	-111 May 02 j 10:29	7°♄48'59	0.28996 AU	evening rise	-109 Oct 30 j 09:16	14°♌01'46	
morning rise	-111 May 08 j 12:52	4°♄07'58		desc. node	-109 Oct 30 j 12:48	14°♌12'50	
desc. node	-111 May 14 j 17:22	1°♄16'39			-109 Nov 12 j 02:39	0°♍	
	-111 May 19 j 14:14	30°♁			-109 Dec 06 j 01:20	0°♍	
direct	-111 May 23 j 19:26	29°♁39'07			-109 Dec 30 j 02:46	0°♍	
	-111 May 28 j 02:57	0°♄			-108 Jan 23 j 09:42	0°♋	
greatest brilliancy	-111 Jun 06 j 04:30	2°♄46'04	-4.5m		-108 Feb 17 j 02:43	0°♁	
morning max el	-111 Jul 11 j 14:44	29°♄24'51	45°49'58	asc. node	-108 Feb 20 j 15:30	4°♁13'51	
	-111 Jul 12 j 05:24	0°♂			-108 Mar 13 j 13:05	0°♄	
	-111 Aug 10 j 00:37	0°♄			-108 Apr 09 j 07:10	0°♂	
asc. node	-111 Sep 04 j 20:26	29°♄31'06		evening max el	-108 May 02 j 02:05	23°♂20'48	45°17'45
	-111 Sep 05 j 06:16	0°♁			-108 May 09 j 06:21	0°♄	
	-111 Sep 30 j 06:38	0°♃		greatest brilliancy	-108 Jun 06 j 03:59	19°♄42'26	-4.5m
	-111 Oct 24 j 15:05	0°♌		desc. node	-108 Jun 11 j 05:22	21°♄33'54	
	-111 Nov 17 j 15:48	0°♌		retrograde	-108 Jun 19 j 13:40	22°♄49'53	
	-111 Dec 11 j 13:59	0°♍		evening set	-108 Jul 05 j 10:45	18°♄02'13	
desc. node	-111 Dec 25 j 10:18	17°♍21'48		inferior conj	-108 Jul 10 j 22:29	14°♄45'21	-6°-15'-52
	-110 Jan 04 j 12:25	0°♄		minimum elong	-108 Jul 10 j 12:25	15°♄00'53	6°13'50
morning set	-110 Jan 12 j 15:07	10°♄09'13		min. Earth dist.	-108 Jul 11 j 02:24	14°♄39'17	0.28716 AU
	-110 Jan 28 j 12:24	0°♍		morning rise	-108 Jul 15 j 13:51	11°♄56'49	
	-110 Feb 21 j 14:41	0°♋		direct	-108 Aug 01 j 12:44	6°♄31'25	
				greatest brilliancy	-108 Aug 16 j 00:37	10°♄13'13	-4.5m
superior conj	-110 Feb 22 j 06:16	0°♋48'21	-1°-25'-11		-108 Sep 11 j 23:04	0°♁	
minimum elong	-110 Feb 22 j 07:35	0°♋52'28	1°25'11	morning max el	-108 Sep 20 j 10:39	8°♁08'31	46°26'56
max. Earth dist.	-110 Feb 26 j 03:05	5°♋36'23	1.72449 AU	asc. node	-108 Oct 02 j 08:20	20°♁27'27	
	-110 Mar 17 j 19:57	0°♁			-108 Oct 11 j 02:03	0°♃	
evening rise	-110 Apr 01 j 23:10	18°♁39'19			-108 Nov 06 j 02:02	0°♌	
	-110 Apr 11 j 04:40	0°♄			-108 Nov 30 j 22:50	0°♌	
asc. node	-110 Apr 17 j 13:22	7°♄48'17			-108 Dec 25 j 08:53	0°♍	
	-110 May 05 j 17:03	0°♂			-107 Jan 18 j 15:30	0°♄	
	-110 May 30 j 09:21	0°♄		desc. node	-107 Jan 21 j 22:06	4°♄03'00	
	-110 Jun 24 j 06:41	0°♁			-107 Feb 11 j 21:48	0°♍	
	-110 Jul 19 j 11:49	0°♃			-107 Mar 08 j 05:03	0°♋	
desc. node	-110 Aug 07 j 02:53	21°♃46'26		morning set	-107 Mar 27 j 10:07	23°♋39'56	
	-110 Aug 14 j 06:14	0°♌			-107 Apr 01 j 13:39	0°♁	
	-110 Sep 10 j 02:30	0°♌			-107 Apr 25 j 23:26	0°♄	
evening max el	-110 Sep 27 j 18:48	18°♌26'36	47°09'35				
	-110 Oct 09 j 21:48	0°♍		superior conj	-107 May 03 j 12:50	9°♄16'55	0°-26'-48
greatest brilliancy	-110 Nov 05 j 17:46	18°♍48'44	-4.7m	minimum elong	-107 May 03 j 18:10	9°♄33'17	0°26'34
retrograde	-110 Nov 17 j 09:21	21°♍22'18		max. Earth dist.	-107 May 03 j 19:04	9°♄36'06	1.73614 AU
asc. node	-110 Nov 28 j 05:55	18°♍57'28		asc. node	-107 May 15 j 01:11	23°♄25'18	
evening set	-110 Dec 01 j 18:34	17°♍14'28			-107 May 20 j 09:48	0°♂	
min. Earth dist.	-110 Dec 07 j 09:36	13°♍57'15	0.26456 AU	evening rise	-107 Jun 08 j 17:43	23°♂44'19	
inferior conj	-110 Dec 07 j 23:13	13°♍36'23	2°29'23		-107 Jun 13 j 20:03	0°♄	
minimum elong	-110 Dec 07 j 17:46	13°♍44'45	2°27'40		-107 Jul 08 j 06:06	0°♁	
morning rise	-110 Dec 13 j 17:16	10°♍13'08			-107 Aug 01 j 16:50	0°♃	
direct	-110 Dec 28 j 05:34	5°♍59'41			-107 Aug 26 j 05:48	0°♌	
greatest brilliancy	-109 Jan 08 j 12:50	8°♍22'49	-4.6m	desc. node	-107 Sep 03 j 15:00	10°♌12'28	
	-109 Feb 07 j 18:23	0°♄			-107 Sep 19 j 22:54	0°♌	
morning max el	-109 Feb 16 j 05:01	8°♄05'21	46°32'12		-107 Oct 14 j 23:16	0°♍	
	-109 Mar 09 j 05:17	0°♍			-107 Nov 09 j 14:46	0°♄	
desc. node	-109 Mar 19 j 19:54	11°♍40'05			-107 Dec 06 j 22:04	0°♍	
	-109 Apr 05 j 01:16	0°♋		evening max el	-107 Dec 08 j 22:03	2°♍03'26	47°13'31
	-109 Apr 30 j 22:15	0°♁		asc. node	-107 Dec 25 j 17:44	18°♍03'59	
	-109 May 26 j 07:05	0°♄			-106 Jan 10 j 20:38	0°♋	
	-109 Jun 20 j 07:05	0°♂		greatest brilliancy	-106 Jan 14 j 22:26	2°♋10'20	-4.6m
asc. node	-109 Jul 10 j 22:44	25°♂05'51		retrograde	-106 Jan 28 j 19:49	5°♋43'35	
	-109 Jul 14 j 22:56	0°♄			-106 Feb 14 j 20:06	30°♍	
	-109 Aug 08 j 07:13	0°♁		evening set	-106 Feb 15 j 16:16	29°♍29'16	
morning set	-109 Aug 13 j 18:07	6°♁46'00		min. Earth dist.	-106 Feb 18 j 05:45	27°♍52'58	0.28186 AU
	-109 Sep 01 j 09:28	0°♃		inferior conj	-106 Feb 18 j 21:05	27°♍28'41	8°38'05
max. Earth dist.	-109 Sep 17 j 17:04	20°♃25'52	1.71585 AU	minimum elong	-106 Feb 18 j 21:19	27°♍28'19	8°38'04
				morning rise	-106 Feb 22 j 02:38	25°♍27'41	

Attention, astronomical year style is used: The year -201 in astronomical counting style is the year 202 BCE in historical counting style.

desc. node	-101 Mar 18 j 21:58	11°≈01'08	
	-101 Apr 04 j 15:38	0°✕	
	-101 Apr 30 j 11:05	0°Ÿ	
	-101 May 25 j 19:04	0°Ɔ	
	-101 Jun 19 j 18:32	0°II	
asc. node	-101 Jul 10 j 00:51	24°II38'01	
	-101 Jul 14 j 10:07	0°☉	
	-101 Aug 07 j 18:17	0°♁	
morning set	-101 Aug 11 j 10:31	4°♁33'34	
	-101 Aug 31 j 20:33	0°♃	
max. Earth dist.	-101 Sep 15 j 04:24	17°♃56'07	1.71631 AU
superior conj	-101 Sep 17 j 21:28	21°♃20'06	1°18'03
minimum elong	-101 Sep 18 j 04:46	21°♃42'57	1°17'55
	-101 Sep 24 j 19:12	0°♅	
	-101 Oct 18 j 16:30	0°♆	
evening rise	-101 Oct 27 j 19:45	11°♆28'31	
desc. node	-101 Oct 29 j 14:45	13°♆43'32	
	-101 Nov 11 j 14:01	0°♄	
	-101 Dec 05 j 12:50	0°♃	
	-101 Dec 29 j 14:28	0°≈	
	-100 Jan 22 j 21:45	0°✕	
	-100 Feb 16 j 15:21	0°Ÿ	
asc. node	-100 Feb 19 j 17:39	3°Ÿ42'10	
	-100 Mar 13 j 02:57	0°Ɔ	
	-100 Apr 08 j 23:54	0°II	
evening max el	-100 Apr 29 j 18:32	21°II11'33	45°17'57
	-100 May 09 j 09:14	0°☉	
greatest brilliancy	-100 Jun 03 j 17:56	17°☉30'01	-4.5m
desc. node	-100 Jun 10 j 07:20	19°☉46'16	
retrograde	-100 Jun 17 j 05:13	20°☉38'45	
evening set	-100 Jul 02 j 23:46	15°☉54'54	
inferior conj	-100 Jul 08 j 14:10	12°☉33'46	-6°-1'-24
minimum elong	-100 Jul 08 j 04:10	12°☉49'15	5°59'17
min. Earth dist.	-100 Jul 08 j 17:33	12°☉28'31	0.28742 AU
morning rise	-100 Jul 13 j 08:22	9°☉40'56	
direct	-100 Jul 30 j 05:17	4°☉19'40	
greatest brilliancy	-100 Aug 13 j 15:17	7°☉59'14	-4.5m