

Planetary Phenomena of Pluto from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:10, page 1

Attention, astronomical year style is used: The year -1400 in astronomical counting style is the year 1401 BCE in historical counting style.

conjunction	-1400 Feb 06 j 00:14	4°50'16	-14°-45'-15	minimum elong	-1392 Feb 15 j 07:57	14°07'19	15°52'13
minimum elong	-1400 Feb 06 j 00:06	4°50'16	14°45'18	max. Earth dist.	-1392 Feb 18 j 02:36	14°11'31	46.14646 AU
max. Earth dist.	-1400 Feb 09 j 00:36	4°54'59	44.64670 AU		-1392 Mar 23 j 01:10	15°	
retrograde	-1400 May 19 j 13:15	6°32'48		retrograde	-1392 May 28 j 18:58	15°46'36	
min. Earth dist.	-1400 Aug 08 j 11:23	5°30'59	42.81661 AU		-1392 Aug 06 j 02:00	15°R	
opposition	-1400 Aug 11 j 09:02	5°27'25	-15°-31'-28	min. Earth dist.	-1392 Aug 18 j 02:07	14°45'47	44.31178 AU
direct	-1400 Oct 31 j 03:00	4°23'38		opposition	-1392 Aug 20 j 17:25	14°42'36	-16°-38'-10
				direct	-1392 Nov 09 j 14:47	13°40'09	
conjunction	-1399 Feb 06 j 10:40	6°01'27	-14°-55'-7		-1391 Feb 05 j 20:38	15°	
minimum elong	-1399 Feb 06 j 10:32	6°01'26	14°55'09				
max. Earth dist.	-1399 Feb 09 j 10:29	6°06'07	44.84563 AU	conjunction	-1391 Feb 15 j 17:04	15°14'48	-15°-58'-46
retrograde	-1399 May 20 j 21:22	7°43'33		minimum elong	-1391 Feb 15 j 17:01	15°14'48	15°58'48
min. Earth dist.	-1399 Aug 09 j 21:33	6°41'56	43.01587 AU	max. Earth dist.	-1391 Feb 18 j 09:44	15°18'52	46.31478 AU
opposition	-1399 Aug 12 j 19:44	6°38'21	-15°-41'-21	retrograde	-1391 May 30 j 06:37	16°53'40	
direct	-1399 Nov 01 j 16:15	5°34'45		min. Earth dist.	-1391 Aug 19 j 11:41	15°52'57	44.47930 AU
				opposition	-1391 Aug 22 j 02:34	15°49'48	-16°-44'-40
conjunction	-1398 Feb 07 j 20:54	7°12'09	-15°-4'-32		-1391 Oct 08 j 22:17	15°R	
minimum elong	-1398 Feb 07 j 20:47	7°12'09	15°04'34	direct	-1391 Nov 10 j 21:19	14°47'29	
max. Earth dist.	-1398 Feb 10 j 19:57	7°16'45	45.04223 AU		-1391 Dec 13 j 10:58	15°	
retrograde	-1398 May 22 j 09:45	8°53'51					
min. Earth dist.	-1398 Aug 11 j 09:10	7°52'22	43.21278 AU	conjunction	-1390 Feb 17 j 02:08	16°21'45	-16°-4'-59
opposition	-1398 Aug 14 j 06:22	7°48'50	-15°-50'-44	minimum elong	-1390 Feb 17 j 02:03	16°21'45	16°05'01
direct	-1398 Nov 03 j 01:54	6°45'26		max. Earth dist.	-1390 Feb 19 j 19:03	16°25'49	46.47940 AU
				retrograde	-1390 May 31 j 14:53	18°00'14	
conjunction	-1397 Feb 09 j 07:07	8°22'26	-15°-13'-29	min. Earth dist.	-1390 Aug 20 j 22:15	16°59'33	44.64330 AU
minimum elong	-1397 Feb 09 j 07:01	8°22'25	15°13'31	opposition	-1390 Aug 23 j 11:28	16°56'30	-16°-50'-47
max. Earth dist.	-1397 Feb 12 j 06:29	8°27'01	45.23630 AU	direct	-1390 Nov 12 j 06:35	15°54'17	
retrograde	-1397 May 23 j 20:30	10°03'43					
min. Earth dist.	-1397 Aug 12 j 20:21	9°02'23	43.40659 AU	conjunction	-1389 Feb 18 j 11:00	17°28'12	-16°-10'-47
opposition	-1397 Aug 15 j 16:41	8°58'54	-15°-59'-41	minimum elong	-1389 Feb 18 j 10:58	17°28'12	16°10'50
direct	-1397 Nov 04 j 11:43	7°55'42		max. Earth dist.	-1389 Feb 21 j 02:42	17°32'11	46.64095 AU
				retrograde	-1389 Jun 01 j 21:14	19°06'19	
conjunction	-1396 Feb 10 j 17:09	9°32'17	-15°-22'-1	min. Earth dist.	-1389 Aug 22 j 06:34	18°05'46	44.80432 AU
minimum elong	-1396 Feb 10 j 17:02	9°32'17	15°22'04	opposition	-1389 Aug 24 j 20:07	18°02'42	-16°-56'-29
max. Earth dist.	-1396 Feb 13 j 14:46	9°36'45	45.42705 AU	direct	-1389 Nov 13 j 16:51	17°00'38	
retrograde	-1396 May 24 j 08:24	11°13'10					
min. Earth dist.	-1396 Aug 13 j 06:42	10°12'00	43.59687 AU	conjunction	-1388 Feb 19 j 19:40	18°34'13	-16°-16'-13
opposition	-1396 Aug 16 j 02:43	10°08'33	-16°-8'-11	minimum elong	-1388 Feb 19 j 19:37	18°34'12	16°16'14
direct	-1396 Nov 04 j 19:46	9°05'32		max. Earth dist.	-1388 Feb 22 j 10:40	18°38'08	46.79956 AU
				retrograde	-1388 Jun 02 j 04:44	20°11'59	
conjunction	-1395 Feb 11 j 03:06	10°41'45	-15°-30'-8	min. Earth dist.	-1388 Aug 22 j 16:31	19°11'30	44.96258 AU
minimum elong	-1395 Feb 11 j 03:01	10°41'44	15°30'10	opposition	-1388 Aug 25 j 04:36	19°08'30	-17°-1'-47
max. Earth dist.	-1395 Feb 14 j 00:46	10°46'11	45.61387 AU	direct	-1388 Nov 14 j 02:54	18°06'35	
retrograde	-1395 May 25 j 16:46	12°22'13					
min. Earth dist.	-1395 Aug 14 j 18:38	11°21'07	43.78282 AU	conjunction	-1387 Feb 20 j 04:16	19°39'50	-16°-21'-15
opposition	-1395 Aug 17 j 12:46	11°17'47	-16°-16'-16	minimum elong	-1387 Feb 20 j 04:14	19°39'50	16°21'17
direct	-1395 Nov 06 j 06:51	10°14'56		max. Earth dist.	-1387 Feb 22 j 19:14	19°43'44	46.95568 AU
				retrograde	-1387 Jun 03 j 12:55	21°17'16	
conjunction	-1394 Feb 12 j 12:50	11°50'45	-15°-37'-52	min. Earth dist.	-1387 Aug 24 j 01:04	20°16'56	45.11812 AU
minimum elong	-1394 Feb 12 j 12:44	11°50'45	15°37'54	opposition	-1387 Aug 26 j 12:54	20°13'58	-17°-6'-40
max. Earth dist.	-1394 Feb 15 j 08:57	11°55'05	45.79627 AU	direct	-1387 Nov 15 j 11:57	19°12'11	
retrograde	-1394 May 27 j 00:39	13°30'50					
min. Earth dist.	-1394 Aug 16 j 04:33	12°29'53	43.96399 AU	conjunction	-1386 Feb 21 j 12:28	20°45'08	-16°-25'-54
opposition	-1394 Aug 18 j 22:33	12°26'34	-16°-23'-57	minimum elong	-1386 Feb 21 j 12:26	20°45'07	16°25'55
direct	-1394 Nov 07 j 17:53	11°23'52		max. Earth dist.	-1386 Feb 24 j 01:53	20°48'55	47.10910 AU
				retrograde	-1386 Jun 04 j 23:52	22°22'16	
conjunction	-1393 Feb 13 j 22:28	12°59'18	-15°-45'-13	min. Earth dist.	-1386 Aug 25 j 09:55	21°22'03	45.27092 AU
minimum elong	-1393 Feb 13 j 22:24	12°59'17	15°45'14	opposition	-1386 Aug 27 j 21:11	21°19'07	-17°-11'-10
max. Earth dist.	-1393 Feb 16 j 17:23	13°03'32	45.97372 AU	direct	-1386 Nov 16 j 17:52	20°17'29	
retrograde	-1393 May 28 j 09:58	14°38'59					
min. Earth dist.	-1393 Aug 17 j 15:59	13°38'04	44.14027 AU	conjunction	-1385 Feb 22 j 20:51	21°50'09	-16°-30'-11
opposition	-1393 Aug 20 j 08:07	13°34'51	-16°-31'-15	minimum elong	-1385 Feb 22 j 20:49	21°50'09	16°30'13
direct	-1393 Nov 09 j 04:30	12°32'17		max. Earth dist.	-1385 Feb 25 j 10:36	21°53'56	47.25955 AU
				retrograde	-1385 Jun 06 j 08:23	23°26'58	
conjunction	-1392 Feb 15 j 08:02	14°07'19	-15°-52'-11	min. Earth dist.	-1385 Aug 26 j 19:28	22°26'50	45.42038 AU

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Attention, astronomical year style is used: The year -1385 in astronomical counting style is the year 1386 BCE in historical counting style.

opposition	-1385 Aug 29 j 05:08	22°≈24'00	-17°-15'-18	opposition	-1377 Sep 06 j 16:02	0°≈52'00	-17°-36'-12
direct	-1385 Nov 18 j 00:58	21°≈22'31			-1377 Oct 29 j 21:41	30°≈	
				direct	-1377 Nov 26 j 17:26	29°≈51'21	
conjunction	-1384 Feb 24 j 05:04	22°≈54'55	-16°-34'-6		-1377 Dec 24 j 02:50	0°≈	
minimum elong	-1384 Feb 24 j 05:03	22°≈54'55	16°34'07				
max. Earth dist.	-1384 Feb 26 j 17:04	22°≈58'36	47.40661 AU	conjunction	-1376 Mar 03 j 18:30	1°≈21'34	-16°-53'-50
retrograde	-1384 Jun 06 j 16:31	24°≈31'27		minimum elong	-1376 Mar 03 j 18:33	1°≈21'34	16°53'52
min. Earth dist.	-1384 Aug 27 j 03:21	23°≈31'28	45.56610 AU	max. Earth dist.	-1376 Mar 05 j 21:53	1°≈24'38	48.42246 AU
opposition	-1384 Aug 29 j 12:58	23°≈28'38	-17°-19'-4	retrograde	-1376 Jun 15 j 00:19	2°≈55'45	
direct	-1384 Nov 18 j 08:04	22°≈27'19		min. Earth dist.	-1376 Sep 04 j 22:05	1°≈56'10	46.56882 AU
				opposition	-1376 Sep 06 j 22:47	1°≈53'48	-17°-37'-19
conjunction	-1383 Feb 24 j 13:02	23°≈59'27	-16°-37'-41	direct	-1376 Nov 26 j 23:39	0°≈53'14	
minimum elong	-1383 Feb 24 j 13:02	23°≈59'27	16°37'43				
max. Earth dist.	-1383 Feb 27 j 00:15	24°≈03'04	47.54949 AU	conjunction	-1375 Mar 05 j 01:30	2°≈23'12	-16°-54'-51
retrograde	-1383 Jun 07 j 22:40	25°≈35'42		minimum elong	-1375 Mar 05 j 01:32	2°≈23'12	16°54'52
min. Earth dist.	-1383 Aug 28 j 13:24	24°≈35'46	45.70740 AU	max. Earth dist.	-1375 Mar 07 j 05:13	2°≈26'17	48.53312 AU
opposition	-1383 Aug 30 j 20:51	24°≈33'02	-17°-22'-29	retrograde	-1375 Jun 16 j 08:04	3°≈57'08	
direct	-1383 Nov 19 j 17:42	23°≈31'52		min. Earth dist.	-1375 Sep 06 j 05:43	2°≈57'36	46.67825 AU
				opposition	-1375 Sep 08 j 05:24	2°≈55'17	-17°-38'-6
conjunction	-1382 Feb 25 j 21:12	25°≈03'43	-16°-40'-56	direct	-1375 Nov 28 j 05:53	1°≈54'50	
minimum elong	-1382 Feb 25 j 21:13	25°≈03'43	16°40'57				
max. Earth dist.	-1382 Feb 28 j 07:40	25°≈07'17	47.68784 AU	conjunction	-1374 Mar 06 j 08:29	3°≈24'34	-16°-55'-31
retrograde	-1382 Jun 09 j 04:51	26°≈39'41		minimum elong	-1374 Mar 06 j 08:33	3°≈24'34	16°55'33
min. Earth dist.	-1382 Aug 29 j 21:33	25°≈39'51	45.84372 AU	max. Earth dist.	-1374 Mar 08 j 10:31	3°≈27'32	48.64116 AU
opposition	-1382 Sep 01 j 04:25	25°≈37'10	-17°-25'-35	retrograde	-1374 Jun 17 j 16:55	4°≈58'14	
direct	-1382 Nov 21 j 03:51	24°≈36'06		min. Earth dist.	-1374 Sep 07 j 12:06	3°≈58'50	46.78495 AU
				opposition	-1374 Sep 09 j 11:46	3°≈56'31	-17°-38'-32
conjunction	-1381 Feb 27 j 05:07	26°≈07'41	-16°-43'-52	direct	-1374 Nov 29 j 09:52	2°≈56'10	
minimum elong	-1381 Feb 27 j 05:06	26°≈07'41	16°43'55				
max. Earth dist.	-1381 Mar 01 j 13:17	26°≈11'06	47.82110 AU	conjunction	-1373 Mar 07 j 15:25	4°≈25'43	-16°-55'-53
retrograde	-1381 Jun 10 j 15:46	27°≈43'21		minimum elong	-1373 Mar 07 j 15:28	4°≈25'43	16°55'54
min. Earth dist.	-1381 Aug 31 j 06:26	26°≈43'34	45.97498 AU	max. Earth dist.	-1373 Mar 09 j 16:59	4°≈28'39	48.74621 AU
opposition	-1381 Sep 02 j 11:59	26°≈40'57	-17°-28'-21	retrograde	-1373 Jun 18 j 22:38	5°≈59'09	
direct	-1381 Nov 22 j 09:22	25°≈39'59		min. Earth dist.	-1373 Sep 08 j 20:31	4°≈59'47	46.88841 AU
				opposition	-1373 Sep 10 j 18:12	4°≈57'34	-17°-38'-38
conjunction	-1380 Feb 28 j 13:00	27°≈11'17	-16°-46'-31	direct	-1373 Nov 30 j 16:37	3°≈57'19	
minimum elong	-1380 Feb 28 j 13:02	27°≈11'17	16°46'32				
max. Earth dist.	-1380 Mar 01 j 20:59	27°≈14'40	47.94933 AU	conjunction	-1372 Mar 07 j 22:22	5°≈26'40	-16°-55'-56
retrograde	-1380 Jun 10 j 23:56	28°≈46'39		minimum elong	-1372 Mar 07 j 22:26	5°≈26'41	16°55'58
min. Earth dist.	-1380 Aug 31 j 15:25	27°≈46'52	46.10121 AU	max. Earth dist.	-1372 Mar 09 j 23:13	5°≈29'34	48.84791 AU
opposition	-1380 Sep 02 j 19:13	27°≈44'21	-17°-30'-49	retrograde	-1372 Jun 19 j 02:33	6°≈59'55	
direct	-1380 Nov 22 j 16:25	26°≈43'28		min. Earth dist.	-1372 Sep 09 j 02:56	6°≈00'39	46.98806 AU
				opposition	-1372 Sep 11 j 00:17	5°≈58'27	-17°-38'-27
conjunction	-1379 Feb 28 j 20:35	28°≈14'29	-16°-48'-50	direct	-1372 Dec 01 j 01:32	4°≈58'19	
minimum elong	-1379 Feb 28 j 20:35	28°≈14'29	16°48'52				
max. Earth dist.	-1379 Mar 03 j 02:41	28°≈17'44	48.07305 AU	conjunction	-1371 Mar 09 j 05:09	6°≈27'30	-16°-55'-41
retrograde	-1379 Jun 12 j 06:51	29°≈49'31		minimum elong	-1371 Mar 09 j 05:13	6°≈27'30	16°55'42
min. Earth dist.	-1379 Sep 01 j 22:39	28°≈49'50	46.22323 AU	max. Earth dist.	-1371 Mar 11 j 03:56	6°≈30'16	48.94551 AU
opposition	-1379 Sep 04 j 02:20	28°≈47'19	-17°-32'-57	retrograde	-1371 Jun 20 j 10:47	8°≈00'33	
direct	-1379 Nov 23 j 22:52	27°≈46'30		min. Earth dist.	-1371 Sep 10 j 10:42	7°≈01'19	47.08342 AU
				opposition	-1371 Sep 12 j 06:32	6°≈59'12	-17°-37'-57
conjunction	-1378 Mar 02 j 03:55	29°≈17'14	-16°-50'-50	direct	-1371 Dec 02 j 07:18	5°≈59'11	
minimum elong	-1378 Mar 02 j 03:57	29°≈17'15	16°50'51				
max. Earth dist.	-1378 Mar 04 j 09:26	29°≈20'28	48.19272 AU	conjunction	-1370 Mar 10 j 12:00	7°≈28'11	-16°-55'-10
	-1378 Apr 01 j 21:45	0°≈		minimum elong	-1370 Mar 10 j 12:04	7°≈28'11	16°55'12
retrograde	-1378 Jun 13 j 11:34	0°≈51'59		max. Earth dist.	-1370 Mar 12 j 10:32	7°≈30'55	49.03846 AU
	-1378 Aug 27 j 16:31	30°≈		retrograde	-1370 Jun 21 j 18:14	9°≈01'02	
min. Earth dist.	-1378 Sep 03 j 07:34	29°≈52'17	46.34152 AU	min. Earth dist.	-1370 Sep 11 j 18:32	8°≈01'50	47.17363 AU
opposition	-1378 Sep 05 j 09:25	29°≈49'51	-17°-34'-45	opposition	-1370 Sep 13 j 12:40	7°≈59'49	-17°-37'-12
direct	-1378 Nov 25 j 08:02	28°≈49'08		direct	-1370 Dec 03 j 13:08	6°≈59'53	
	-1377 Feb 17 j 18:03	0°≈					
conjunction	-1377 Mar 03 j 11:22	0°≈19'36	-16°-52'-30	conjunction	-1369 Mar 11 j 18:50	8°≈28'42	-16°-54'-23
minimum elong	-1377 Mar 03 j 11:22	0°≈19'36	16°52'31	minimum elong	-1369 Mar 11 j 18:55	8°≈28'43	16°54'24
max. Earth dist.	-1377 Mar 05 j 16:19	0°≈22'46	48.30911 AU	max. Earth dist.	-1369 Mar 13 j 14:59	8°≈31'18	49.12625 AU
retrograde	-1377 Jun 14 j 16:01	1°≈54'03		retrograde	-1369 Jun 23 j 02:18	10°≈01'20	
min. Earth dist.	-1377 Sep 04 j 14:21	0°≈54'25	46.45656 AU	min. Earth dist.	-1369 Sep 13 j 01:04	9°≈02'13	47.25860 AU
				opposition	-1369 Sep 14 j 18:34	9°≈00'13	-17°-36'-10

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Attention, astronomical year style is used: The year -1369 in astronomical counting style is the year 1370 BCE in historical counting style.

direct	-1369 Dec 04 j 17:10	8° ✕ 00'22		minimum elong	-1360 Mar 20 j 03:39	17° ✕ 23'32	16°35'02
				max. Earth dist.	-1360 Mar 21 j 14:50	17° ✕ 25'34	49.72938 AU
conjunction	-1368 Mar 12 j 01:32	9° ✕ 29'01	-16°-53'-20	retrograde	-1360 Jul 01 j 04:10	18° ✕ 54'34	
minimum elong	-1368 Mar 12 j 01:36	9° ✕ 29'01	16°53'22	opposition	-1360 Sep 22 j 19:57	17° ✕ 54'09	-17°-14'-11
max. Earth dist.	-1368 Mar 13 j 20:38	9° ✕ 31'33	49.20871 AU	min. Earth dist.	-1360 Sep 21 j 12:30	17° ✕ 55'39	47.84130 AU
retrograde	-1368 Jun 23 j 06:58	11° ✕ 01'27		direct	-1360 Dec 13 j 00:25	16° ✕ 54'53	
min. Earth dist.	-1368 Sep 13 j 09:19	10° ✕ 02'17	47.33834 AU				
opposition	-1368 Sep 15 j 00:34	10° ✕ 00'24	-17°-34'-52	conjunction	-1359 Mar 21 j 09:24	18° ✕ 22'13	-16°-31'-29
direct	-1368 Dec 05 j 00:28	9° ✕ 00'37		minimum elong	-1359 Mar 21 j 09:31	18° ✕ 22'14	16°31'31
				max. Earth dist.	-1359 Mar 22 j 18:33	18° ✕ 24'08	49.77879 AU
conjunction	-1367 Mar 13 j 08:00	10° ✕ 29'05	-16°-52'-2	retrograde	-1359 Jul 02 j 12:39	19° ✕ 53'08	
minimum elong	-1367 Mar 13 j 08:06	10° ✕ 29'06	16°52'03	min. Earth dist.	-1359 Sep 22 j 18:25	18° ✕ 54'16	47.88776 AU
max. Earth dist.	-1367 Mar 15 j 02:06	10° ✕ 31'33	49.28637 AU	opposition	-1359 Sep 24 j 01:06	18° ✕ 52'49	-17°-10'-21
retrograde	-1367 Jun 24 j 10:11	12° ✕ 01'18		direct	-1359 Dec 14 j 03:12	17° ✕ 53'36	
min. Earth dist.	-1367 Sep 14 j 15:21	11° ✕ 02'12	47.41339 AU				
opposition	-1367 Sep 16 j 06:18	11° ✕ 00'20	-17°-33'-18	conjunction	-1358 Mar 22 j 15:32	19° ✕ 20'51	-16°-27'-43
direct	-1367 Dec 06 j 08:49	10° ✕ 00'36		minimum elong	-1358 Mar 22 j 15:40	19° ✕ 20'51	16°27'43
				max. Earth dist.	-1358 Mar 23 j 23:38	19° ✕ 22'41	49.82329 AU
conjunction	-1366 Mar 14 j 14:23	11° ✕ 28'54	-16°-50'-27	retrograde	-1358 Jul 03 j 18:29	20° ✕ 51'36	
minimum elong	-1366 Mar 14 j 14:28	11° ✕ 28'54	16°50'29	min. Earth dist.	-1358 Sep 24 j 01:52	19° ✕ 52'42	47.92898 AU
max. Earth dist.	-1366 Mar 16 j 06:37	11° ✕ 31'15	49.35960 AU	opposition	-1358 Sep 25 j 06:13	19° ✕ 51'21	-17°-6'-15
retrograde	-1366 Jun 25 j 16:54	13° ✕ 00'55		direct	-1358 Dec 15 j 07:56	18° ✕ 52'11	
min. Earth dist.	-1366 Sep 15 j 22:37	12° ✕ 01'48	47.48446 AU				
opposition	-1366 Sep 17 j 11:57	12° ✕ 00'01	-17°-31'-27	conjunction	-1357 Mar 23 j 21:45	20° ✕ 19'20	-16°-23'-42
direct	-1366 Dec 07 j 14:58	11° ✕ 00'20		minimum elong	-1357 Mar 23 j 21:52	20° ✕ 19'20	16°23'44
				max. Earth dist.	-1357 Mar 25 j 04:22	20° ✕ 21'06	49.86254 AU
conjunction	-1365 Mar 15 j 20:52	12° ✕ 28'27	-16°-48'-36	retrograde	-1357 Jul 04 j 22:01	21° ✕ 49'57	
minimum elong	-1365 Mar 15 j 20:59	12° ✕ 28'27	16°48'38	min. Earth dist.	-1357 Sep 25 j 07:29	20° ✕ 51'04	47.96466 AU
max. Earth dist.	-1365 Mar 17 j 13:05	12° ✕ 30'47	49.42910 AU	opposition	-1357 Sep 26 j 11:13	20° ✕ 49'45	-17°-1'-56
retrograde	-1365 Jun 26 j 23:27	14° ✕ 00'17		direct	-1357 Dec 16 j 14:32	19° ✕ 50'36	
min. Earth dist.	-1365 Sep 17 j 05:10	13° ✕ 01'11	47.55183 AU				
opposition	-1365 Sep 18 j 17:29	12° ✕ 59'27	-17°-29'-18	conjunction	-1356 Mar 24 j 03:39	21° ✕ 17'39	-16°-19'-28
direct	-1365 Dec 08 j 21:05	11° ✕ 59'50		minimum elong	-1356 Mar 24 j 03:48	21° ✕ 17'39	16°19'28
				max. Earth dist.	-1356 Mar 25 j 08:00	21° ✕ 19'16	49.89618 AU
conjunction	-1364 Mar 16 j 03:03	13° ✕ 27'47	-16°-46'-27	retrograde	-1356 Jul 05 j 02:57	22° ✕ 48'07	
minimum elong	-1364 Mar 16 j 03:08	13° ✕ 27'47	16°46'28	opposition	-1356 Sep 26 j 16:14	21° ✕ 47'57	-16°-57'-23
max. Earth dist.	-1364 Mar 17 j 17:19	13° ✕ 30'00	49.49528 AU	min. Earth dist.	-1356 Sep 25 j 14:30	21° ✕ 49'11	47.99496 AU
retrograde	-1364 Jun 27 j 08:24	14° ✕ 59'25		direct	-1356 Dec 16 j 20:50	20° ✕ 48'49	
min. Earth dist.	-1364 Sep 17 j 10:46	14° ✕ 00'24	47.61609 AU				
opposition	-1364 Sep 18 j 22:51	13° ✕ 58'40	-17°-26'-52	conjunction	-1355 Mar 25 j 09:40	22° ✕ 15'45	-16°-14'-59
direct	-1364 Dec 08 j 23:12	12° ✕ 59'06		minimum elong	-1355 Mar 25 j 09:48	22° ✕ 15'45	16°15'01
				max. Earth dist.	-1355 Mar 26 j 13:34	22° ✕ 17'21	49.92474 AU
conjunction	-1363 Mar 17 j 09:13	14° ✕ 26'55	-16°-44'-1	retrograde	-1355 Jul 06 j 07:06	23° ✕ 46'05	
minimum elong	-1363 Mar 17 j 09:20	14° ✕ 26'56	16°44'03	opposition	-1355 Sep 27 j 21:04	22° ✕ 45'56	-16°-52'-35
max. Earth dist.	-1363 Mar 18 j 23:08	14° ✕ 29'07	49.55840 AU	min. Earth dist.	-1355 Sep 26 j 20:31	22° ✕ 47'07	48.02029 AU
retrograde	-1363 Jun 28 j 14:39	15° ✕ 58'23		direct	-1355 Dec 18 j 03:48	21° ✕ 46'49	
min. Earth dist.	-1363 Sep 18 j 18:04	14° ✕ 59'21	47.67733 AU				
opposition	-1363 Sep 20 j 04:18	14° ✕ 57'43	-17°-24'-8	conjunction	-1354 Mar 26 j 15:24	23° ✕ 13'37	-16°-10'-17
direct	-1363 Dec 10 j 03:31	13° ✕ 58'13		minimum elong	-1354 Mar 26 j 15:34	23° ✕ 13'38	16°10'18
				max. Earth dist.	-1354 Mar 27 j 17:07	23° ✕ 15'06	49.94874 AU
conjunction	-1362 Mar 18 j 15:19	15° ✕ 25'54	-16°-41'-18	retrograde	-1354 Jul 07 j 15:07	24° ✕ 43'49	
minimum elong	-1362 Mar 18 j 15:25	15° ✕ 25'54	16°41'18	min. Earth dist.	-1354 Sep 28 j 01:59	23° ✕ 44'50	48.04139 AU
max. Earth dist.	-1362 Mar 20 j 04:28	15° ✕ 28'03	49.61872 AU	opposition	-1354 Sep 29 j 01:51	23° ✕ 43'42	-16°-47'-32
retrograde	-1362 Jun 29 j 16:49	16° ✕ 57'12		direct	-1354 Dec 19 j 06:28	22° ✕ 44'35	
min. Earth dist.	-1362 Sep 19 j 23:17	15° ✕ 58'15	47.73552 AU				
opposition	-1362 Sep 21 j 09:34	15° ✕ 56'37	-17°-21'-6	conjunction	-1353 Mar 27 j 21:16	24° ✕ 11'18	-16°-5'-19
direct	-1362 Dec 11 j 11:56	14° ✕ 57'11		minimum elong	-1353 Mar 27 j 21:24	24° ✕ 11'18	16°05'20
				max. Earth dist.	-1353 Mar 28 j 22:18	24° ✕ 12'43	49.96864 AU
conjunction	-1361 Mar 19 j 21:22	16° ✕ 24'45	-16°-38'-18	retrograde	-1353 Jul 08 j 21:32	25° ✕ 41'21	
minimum elong	-1361 Mar 19 j 21:30	16° ✕ 24'46	16°38'19	min. Earth dist.	-1353 Sep 29 j 08:40	24° ✕ 42'18	48.05866 AU
max. Earth dist.	-1361 Mar 21 j 08:43	16° ✕ 26'48	49.67580 AU	opposition	-1353 Sep 30 j 06:31	24° ✕ 41'16	-16°-42'-13
retrograde	-1361 Jun 30 j 21:57	17° ✕ 55'55		direct	-1353 Dec 20 j 10:06	23° ✕ 42'09	
min. Earth dist.	-1361 Sep 21 j 06:06	16° ✕ 56'59	47.79039 AU				
opposition	-1361 Sep 22 j 14:46	16° ✕ 55'25	-17°-17'-47	conjunction	-1352 Mar 28 j 03:01	25° ✕ 08'47	-16°00'-6
direct	-1361 Dec 12 j 18:40	15° ✕ 56'04		minimum elong	-1352 Mar 28 j 03:11	25° ✕ 08'48	16°00'06
				max. Earth dist.	-1352 Mar 29 j 03:10	25° ✕ 10'10	49.98519 AU
conjunction	-1360 Mar 20 j 03:32	17° ✕ 23'32	-16°-35'-1	retrograde	-1352 Jul 09 j 00:16	26° ✕ 38'44	

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Attention, astronomical year style is used: The year -1352 in astronomical counting style is the year 1353 BCE in historical counting style.

opposition	-1352 Sep 30 j 11:07	25° \mathbb{H} 38'41	-16°-36'-39	max. Earth dist.	-1344 Apr 05 j 13:40	2° \mathbb{V} 48'31	49.99384 AU
min. Earth dist.	-1352 Sep 29 j 13:10	25° \mathbb{H} 39'43	48.07269 AU	retrograde	-1344 Jul 16 j 19:30	4° \mathbb{V} 17'16	
direct	-1352 Dec 20 j 16:31	24° \mathbb{H} 39'35		opposition	-1344 Oct 07 j 23:25	3° \mathbb{V} 17'35	-15°-42'-37
				min. Earth dist.	-1344 Oct 07 j 11:10	3° \mathbb{V} 18'10	48.05650 AU
conjunction	-1351 Mar 29 j 08:26	26° \mathbb{H} 06'09	-15°-54'-36	direct	-1344 Dec 28 j 06:53	2° \mathbb{V} 18'41	
minimum elong	-1351 Mar 29 j 08:35	26° \mathbb{H} 06'09	15°54'37				
max. Earth dist.	-1351 Mar 30 j 06:52	26° \mathbb{H} 07'26	49.99860 AU	conjunction	-1343 Apr 06 j 05:48	3° \mathbb{V} 45'07	-15°-1'-42
retrograde	-1351 Jul 10 j 04:15	27° \mathbb{H} 36'00		minimum elong	-1343 Apr 06 j 06:00	3° \mathbb{V} 45'07	15°01'42
opposition	-1351 Oct 01 j 15:52	26° \mathbb{H} 35'59	-16°-30'-47	max. Earth dist.	-1343 Apr 06 j 18:20	3° \mathbb{V} 45'49	49.97420 AU
min. Earth dist.	-1351 Sep 30 j 19:26	26° \mathbb{H} 36'58	48.08379 AU	retrograde	-1343 Jul 18 j 03:06	5° \mathbb{V} 14'34	
direct	-1351 Dec 21 j 22:56	25° \mathbb{H} 36'55		opposition	-1343 Oct 09 j 03:57	4° \mathbb{V} 14'53	-15°-34'-48
				min. Earth dist.	-1343 Oct 08 j 17:49	4° \mathbb{V} 15'22	48.03329 AU
conjunction	-1350 Mar 30 j 14:11	27° \mathbb{H} 03'26	-15°-48'-51	direct	-1343 Dec 29 j 09:25	3° \mathbb{V} 15'57	
minimum elong	-1350 Mar 30 j 14:22	27° \mathbb{H} 03'27	15°48'52				
max. Earth dist.	-1350 Mar 31 j 12:47	27° \mathbb{H} 04'44	50.00920 AU	conjunction	-1342 Apr 07 j 11:30	4° \mathbb{V} 42'22	-14°-54'-3
retrograde	-1350 Jul 11 j 09:17	28° \mathbb{H} 33'14		minimum elong	-1342 Apr 07 j 11:40	4° \mathbb{V} 42'22	14°54'04
opposition	-1350 Oct 02 j 20:22	27° \mathbb{H} 33'16	-16°-24'-39	max. Earth dist.	-1342 Apr 07 j 22:47	4° \mathbb{V} 43'00	49.95008 AU
min. Earth dist.	-1350 Oct 02 j 00:47	27° \mathbb{H} 34'12	48.09189 AU	retrograde	-1342 Jul 19 j 06:53	6° \mathbb{V} 11'45	
direct	-1350 Dec 23 j 04:39	26° \mathbb{H} 34'14		opposition	-1342 Oct 10 j 08:09	5° \mathbb{V} 12'03	-15°-26'-45
				min. Earth dist.	-1342 Oct 09 j 22:15	5° \mathbb{V} 12'31	48.00582 AU
conjunction	-1349 Mar 31 j 19:48	28° \mathbb{H} 00'43	-15°-42'-50	direct	-1342 Dec 30 j 14:19	4° \mathbb{V} 13'05	
minimum elong	-1349 Mar 31 j 19:58	28° \mathbb{H} 00'44	15°42'51				
max. Earth dist.	-1349 Apr 01 j 16:21	28° \mathbb{H} 01'53	50.01688 AU	conjunction	-1341 Apr 08 j 17:06	5° \mathbb{V} 39'29	-14°-46'-10
retrograde	-1349 Jul 12 j 17:30	29° \mathbb{H} 30'27		minimum elong	-1341 Apr 08 j 17:18	5° \mathbb{V} 39'30	14°46'11
min. Earth dist.	-1349 Oct 03 j 05:52	28° \mathbb{H} 31'28	48.09696 AU	max. Earth dist.	-1341 Apr 09 j 02:25	5° \mathbb{V} 40'01	49.92186 AU
opposition	-1349 Oct 04 j 00:55	28° \mathbb{H} 30'33	-16°-18'-15	retrograde	-1341 Jul 20 j 09:35	7° \mathbb{V} 08'49	
direct	-1349 Dec 24 j 06:40	27° \mathbb{H} 31'34		opposition	-1341 Oct 11 j 12:34	6° \mathbb{V} 09'07	-15°-18'-26
				min. Earth dist.	-1341 Oct 11 j 04:31	6° \mathbb{V} 09'29	47.97462 AU
conjunction	-1348 Apr 01 j 01:23	28° \mathbb{H} 58'02	-15°-36'-34	direct	-1341 Dec 31 j 21:17	5° \mathbb{V} 10'06	
minimum elong	-1348 Apr 01 j 01:33	28° \mathbb{H} 58'03	15°36'35				
max. Earth dist.	-1348 Apr 01 j 21:18	28° \mathbb{H} 59'10	50.02115 AU	conjunction	-1340 Apr 08 j 22:41	6° \mathbb{V} 36'30	-14°-38'-2
	-1348 May 21 j 02:17	0° \mathbb{V}		minimum elong	-1340 Apr 08 j 22:51	6° \mathbb{V} 36'31	14°38'03
retrograde	-1348 Jul 12 j 23:19	0° \mathbb{V} 27'44		max. Earth dist.	-1340 Apr 09 j 07:59	6° \mathbb{V} 37'02	49.89018 AU
	-1348 Sep 04 j 08:26	30° \mathbb{R} \mathbb{H}		retrograde	-1340 Jul 20 j 12:06	8° \mathbb{V} 05'48	
opposition	-1348 Oct 04 j 05:29	29° \mathbb{H} 27'54	-16°-11'-36	opposition	-1340 Oct 11 j 16:52	7° \mathbb{V} 06'05	-15°-9'-52
min. Earth dist.	-1348 Oct 03 j 12:25	29° \mathbb{H} 28'42	48.09833 AU	min. Earth dist.	-1340 Oct 11 j 09:30	7° \mathbb{V} 06'26	47.94005 AU
direct	-1348 Dec 24 j 10:14	28° \mathbb{H} 28'57		direct	-1339 Jan 01 j 04:47	6° \mathbb{V} 07'03	
conjunction	-1347 Apr 02 j 07:04	29° \mathbb{H} 55'25	-15°-30'-2	conjunction	-1339 Apr 10 j 04:09	7° \mathbb{V} 33'27	-14°-29'-39
minimum elong	-1347 Apr 02 j 07:15	29° \mathbb{H} 55'26	15°30'03	minimum elong	-1339 Apr 10 j 04:22	7° \mathbb{V} 33'27	14°29'40
max. Earth dist.	-1347 Apr 03 j 01:55	29° \mathbb{H} 56'30	50.02169 AU	max. Earth dist.	-1339 Apr 10 j 11:29	7° \mathbb{V} 33'52	49.85550 AU
	-1347 Apr 05 j 15:39	0° \mathbb{V}		retrograde	-1339 Jul 21 j 19:17	9° \mathbb{V} 02'43	
retrograde	-1347 Jul 14 j 03:13	1° \mathbb{V} 25'04		opposition	-1339 Oct 12 j 21:08	8° \mathbb{V} 03'00	-15°-1'-3
opposition	-1347 Oct 05 j 09:54	0° \mathbb{V} 25'17	-16°-4'-42	min. Earth dist.	-1339 Oct 12 j 14:19	8° \mathbb{V} 03'19	47.90268 AU
min. Earth dist.	-1347 Oct 04 j 17:13	0° \mathbb{V} 26'05	48.09555 AU	direct	-1338 Jan 02 j 07:33	7° \mathbb{V} 03'56	
	-1347 Oct 28 j 09:30	30° \mathbb{R} \mathbb{H}					
direct	-1347 Dec 25 j 15:39	29° \mathbb{H} 26'23		conjunction	-1338 Apr 11 j 09:46	8° \mathbb{V} 30'22	-14°-21'-1
	-1346 Feb 20 j 21:48	0° \mathbb{V}		minimum elong	-1338 Apr 11 j 09:57	8° \mathbb{V} 30'22	14°21'01
				max. Earth dist.	-1338 Apr 11 j 16:31	8° \mathbb{V} 30'45	49.81793 AU
conjunction	-1346 Apr 03 j 12:42	0° \mathbb{V} 52'52	-15°-23'-17	retrograde	-1338 Jul 23 j 01:40	9° \mathbb{V} 59'38	
minimum elong	-1346 Apr 03 j 12:52	0° \mathbb{V} 52'52	15°23'18	opposition	-1338 Oct 14 j 01:34	8° \mathbb{V} 59'55	-14°-51'-57
max. Earth dist.	-1346 Apr 04 j 05:18	0° \mathbb{V} 53'48	50.01758 AU	min. Earth dist.	-1338 Oct 13 j 20:27	9° \mathbb{V} 00'09	47.86235 AU
retrograde	-1346 Jul 15 j 07:47	2° \mathbb{V} 22'28		direct	-1337 Jan 03 j 10:54	8° \mathbb{V} 00'50	
opposition	-1346 Oct 06 j 14:31	1° \mathbb{V} 22'45	-15°-57'-34				
min. Earth dist.	-1346 Oct 06 j 00:01	1° \mathbb{V} 23'26	48.08787 AU	conjunction	-1337 Apr 12 j 15:26	9° \mathbb{V} 27'18	-14°-12'-7
direct	-1346 Dec 26 j 21:34	0° \mathbb{V} 23'51		minimum elong	-1337 Apr 12 j 15:39	9° \mathbb{V} 27'19	14°12'08
				max. Earth dist.	-1337 Apr 12 j 21:20	9° \mathbb{V} 27'38	49.77756 AU
conjunction	-1345 Apr 04 j 18:36	1° \mathbb{V} 50'19	-15°-16'-18	retrograde	-1337 Jul 24 j 06:48	10° \mathbb{V} 56'34	
minimum elong	-1345 Apr 04 j 18:47	1° \mathbb{V} 50'20	15°16'18	opposition	-1337 Oct 15 j 05:45	9° \mathbb{V} 56'53	-14°-42'-35
max. Earth dist.	-1345 Apr 05 j 10:33	1° \mathbb{V} 51'14	50.00835 AU	min. Earth dist.	-1337 Oct 15 j 00:46	9° \mathbb{V} 57'07	47.81902 AU
retrograde	-1345 Jul 16 j 11:23	3° \mathbb{V} 19'53		direct	-1336 Jan 04 j 15:04	8° \mathbb{V} 57'47	
opposition	-1345 Oct 07 j 18:56	2° \mathbb{V} 20'12	-15°-50'-12				
min. Earth dist.	-1345 Oct 07 j 05:37	2° \mathbb{V} 20'49	48.07476 AU	conjunction	-1336 Apr 12 j 21:02	10° \mathbb{V} 24'20	-14°-2'-58
direct	-1345 Dec 28 j 04:24	1° \mathbb{V} 21'18		minimum elong	-1336 Apr 12 j 21:13	10° \mathbb{V} 24'20	14°02'58
				max. Earth dist.	-1336 Apr 13 j 00:59	10° \mathbb{V} 24'33	49.73392 AU
conjunction	-1344 Apr 05 j 00:15	2° \mathbb{V} 47'45	-15°-9'-7	retrograde	-1336 Jul 24 j 11:29	11° \mathbb{V} 53'38	
minimum elong	-1344 Apr 05 j 00:25	2° \mathbb{V} 47'46	15°09'08	opposition	-1336 Oct 15 j 10:12	10° \mathbb{V} 53'57	-14°-32'-59

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Attention, astronomical year style is used: The year -1336 in astronomical counting style is the year 1337 BCE in historical counting style.

min. Earth dist.	-1336 Oct 15 j 07:05	10°V54'06	47.77226 AU	conjunction	-1327 Apr 22 j 01:59	19°V02'03	-12°-30'-19
direct	-1335 Jan 04 j 20:04	9°V54'52		minimum elong	-1327 Apr 22 j 02:11	19°V02'04	12°30'19
				max. Earth dist.	-1327 Apr 21 j 17:55	19°V01'36	49.13389 AU
conjunction	-1335 Apr 14 j 02:43	11°V21'28	-13°-53'-34	retrograde	-1327 Aug 02 j 13:42	20°V31'49	
minimum elong	-1335 Apr 14 j 02:54	11°V21'29	13°53'36	opposition	-1327 Oct 24 j 02:31	19°V31'58	-12°-55'-53
max. Earth dist.	-1335 Apr 14 j 06:26	11°V21'41	49.68656 AU	min. Earth dist.	-1327 Oct 24 j 10:08	19°V31'36	47.13919 AU
retrograde	-1335 Jul 25 j 14:54	12°V50'49		direct	-1326 Jan 13 j 13:52	18°V32'26	
opposition	-1335 Oct 16 j 14:36	11°V51'10	-14°-23'-7				
min. Earth dist.	-1335 Oct 16 j 12:30	11°V51'16	47.72127 AU	conjunction	-1326 Apr 23 j 08:00	19°V59'56	-12°-18'-50
direct	-1334 Jan 06 j 02:42	10°V52'04		minimum elong	-1326 Apr 23 j 08:12	19°V59'57	12°18'51
				max. Earth dist.	-1326 Apr 22 j 22:01	19°V59'22	49.04711 AU
conjunction	-1334 Apr 15 j 08:32	12°V18'46	-13°-43'-57	retrograde	-1326 Aug 03 j 18:36	21°V29'47	
minimum elong	-1334 Apr 15 j 08:44	12°V18'46	13°43'57	opposition	-1326 Oct 25 j 07:06	20°V29'54	-12°-43'-51
max. Earth dist.	-1334 Apr 15 j 09:48	12°V18'50	49.63469 AU	min. Earth dist.	-1326 Oct 25 j 16:33	20°V29'26	47.04951 AU
retrograde	-1334 Jul 26 j 22:16	13°V48'10		direct	-1325 Jan 14 j 19:14	19°V30'19	
opposition	-1334 Oct 17 j 18:57	12°V48'31	-14°-13'-2				
min. Earth dist.	-1334 Oct 17 j 18:06	12°V48'33	47.66551 AU	conjunction	-1325 Apr 24 j 14:14	20°V57'58	-12°-7'-5
direct	-1333 Jan 07 j 05:50	11°V49'24		minimum elong	-1325 Apr 24 j 14:26	20°V57'58	12°07'05
				max. Earth dist.	-1325 Apr 24 j 04:11	20°V57'23	48.95747 AU
conjunction	-1333 Apr 16 j 14:33	13°V16'11	-13°-34'-7	retrograde	-1325 Aug 04 j 21:41	22°V27'55	
minimum elong	-1333 Apr 16 j 14:45	13°V16'12	13°34'08	opposition	-1325 Oct 26 j 11:47	21°V28'00	-12°-31'-33
max. Earth dist.	-1333 Apr 16 j 14:35	13°V16'11	49.57759 AU	min. Earth dist.	-1325 Oct 26 j 21:44	21°V27'31	46.95675 AU
retrograde	-1333 Jul 28 j 05:50	14°V45'38		direct	-1324 Jan 16 j 02:39	20°V28'22	
opposition	-1333 Oct 18 j 23:34	13°V45'59	-14°-2'-43				
min. Earth dist.	-1333 Oct 19 j 00:58	13°V45'55	47.60428 AU	conjunction	-1324 Apr 24 j 20:12	21°V56'10	-11°-55'-5
direct	-1332 Jan 08 j 08:45	12°V46'51		minimum elong	-1324 Apr 24 j 20:24	21°V56'11	11°55'07
				max. Earth dist.	-1324 Apr 24 j 08:07	21°V55'29	48.86470 AU
conjunction	-1332 Apr 16 j 20:24	14°V13'43	-13°-24'-3	retrograde	-1324 Aug 05 j 04:01	23°V26'16	
minimum elong	-1332 Apr 16 j 20:37	14°V13'43	13°24'03	opposition	-1324 Oct 26 j 16:29	22°V26'19	-12°-18'-59
max. Earth dist.	-1332 Apr 16 j 18:55	14°V13'38	49.51517 AU	min. Earth dist.	-1324 Oct 27 j 03:29	22°V25'47	46.86072 AU
retrograde	-1332 Jul 28 j 11:36	15°V43'11		direct	-1323 Jan 16 j 07:05	21°V26'38	
opposition	-1332 Oct 19 j 04:01	14°V43'32	-13°-52'-11				
min. Earth dist.	-1332 Oct 19 j 05:48	14°V43'27	47.53768 AU	conjunction	-1323 Apr 26 j 02:33	22°V54'36	-11°-42'-51
direct	-1331 Jan 08 j 12:40	13°V44'20		minimum elong	-1323 Apr 26 j 02:45	22°V54'37	11°42'51
				max. Earth dist.	-1323 Apr 25 j 13:37	22°V53'52	48.76822 AU
conjunction	-1331 Apr 18 j 02:16	15°V11'18	-13°-13'-47	retrograde	-1323 Aug 06 j 11:55	24°V24'50	
minimum elong	-1331 Apr 18 j 02:27	15°V11'18	13°13'48	opposition	-1323 Oct 27 j 21:16	23°V24'52	-12°-6'-10
max. Earth dist.	-1331 Apr 17 j 22:28	15°V11'05	49.44744 AU	min. Earth dist.	-1323 Oct 28 j 10:13	23°V24'14	46.76064 AU
retrograde	-1331 Jul 29 j 15:20	16°V40'49		direct	-1322 Jan 17 j 10:17	22°V25'07	
opposition	-1331 Oct 20 j 08:32	15°V41'07	-13°-41'-25				
min. Earth dist.	-1331 Oct 20 j 12:36	15°V40'56	47.46609 AU	conjunction	-1322 Apr 27 j 09:00	23°V53'16	-11°-30'-22
direct	-1330 Jan 09 j 19:09	14°V41'52		minimum elong	-1322 Apr 27 j 09:12	23°V53'17	11°30'22
				max. Earth dist.	-1322 Apr 26 j 18:38	23°V52'27	48.66750 AU
conjunction	-1330 Apr 19 j 08:18	16°V08'55	-13°-3'-16	retrograde	-1322 Aug 07 j 20:30	25°V23'38	
minimum elong	-1330 Apr 19 j 08:31	16°V08'56	13°03'17	opposition	-1322 Oct 29 j 02:04	24°V23'37	-11°-53'-6
max. Earth dist.	-1330 Apr 19 j 04:07	16°V08'41	49.37496 AU	min. Earth dist.	-1322 Oct 29 j 15:31	24°V22'58	46.65589 AU
retrograde	-1330 Jul 30 j 17:44	17°V38'29		direct	-1321 Jan 18 j 12:52	23°V23'47	
opposition	-1330 Oct 21 j 13:01	16°V38'45	-13°-30'-25				
min. Earth dist.	-1330 Oct 21 j 17:58	16°V38'31	47.38984 AU	conjunction	-1321 Apr 28 j 15:32	24°V52'08	-11°-17'-39
direct	-1329 Jan 11 j 03:10	15°V39'26		minimum elong	-1321 Apr 28 j 15:44	24°V52'09	11°17'38
				max. Earth dist.	-1321 Apr 27 j 22:47	24°V51'11	48.56166 AU
conjunction	-1329 Apr 20 j 14:11	17°V06'34	-12°-52'-32	retrograde	-1321 Aug 09 j 01:49	26°V22'38	
minimum elong	-1329 Apr 20 j 14:22	17°V06'35	12°52'32	opposition	-1321 Oct 30 j 07:03	25°V22'33	-11°-39'-48
max. Earth dist.	-1329 Apr 20 j 07:38	17°V06'12	49.29817 AU	min. Earth dist.	-1321 Oct 30 j 22:54	25°V21'48	46.54596 AU
retrograde	-1329 Aug 01 j 00:56	18°V36'12		direct	-1320 Jan 19 j 18:46	24°V22'38	
opposition	-1329 Oct 22 j 17:23	17°V36'25	-13°-19'-10				
min. Earth dist.	-1329 Oct 22 j 23:17	17°V36'09	47.30968 AU	conjunction	-1320 Apr 28 j 22:14	25°V51'10	-11°-4'-42
direct	-1328 Jan 12 j 06:18	16°V37'02		minimum elong	-1320 Apr 28 j 22:25	25°V51'10	11°04'42
				max. Earth dist.	-1320 Apr 28 j 04:49	25°V50'10	48.45066 AU
conjunction	-1328 Apr 20 j 20:09	18°V04'17	-12°-41'-33	retrograde	-1320 Aug 09 j 04:12	27°V21'47	
minimum elong	-1328 Apr 20 j 20:22	18°V04'17	12°41'34	opposition	-1320 Oct 30 j 12:04	26°V21'38	-11°-26'-15
max. Earth dist.	-1328 Apr 20 j 12:57	18°V03'52	49.21760 AU	min. Earth dist.	-1320 Oct 31 j 04:49	26°V20'49	46.43078 AU
retrograde	-1328 Aug 01 j 07:42	19°V33'58		direct	-1319 Jan 20 j 03:36	25°V21'36	
opposition	-1328 Oct 22 j 22:00	18°V34'09	-13°-7'-40	max. Earth dist.	-1319 Apr 29 j 08:44	26°V49'09	48.33461 AU
min. Earth dist.	-1328 Oct 23 j 05:36	18°V33'47	47.22596 AU				
direct	-1327 Jan 12 j 09:40	17°V34'42		conjunction	-1319 Apr 30 j 04:42	26°V50'18	-10°-51'-31
				minimum elong	-1319 Apr 30 j 04:55	26°V50'19	10°51'31

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Attention, astronomical year style is used: The year -1319 in astronomical counting style is the year 1320 BCE in historical counting style.

retrograde	-1319 Aug 10 j 10:29	28°♃21'03		conjunction	-1311 May 08 j 12:25	4°♃49'16	-8°-56'-57
opposition	-1319 Oct 31 j 17:09	27°♃20'48	-11°-12'-28	minimum elong	-1311 May 08 j 12:36	4°♃49'17	8°56'57
min. Earth dist.	-1319 Nov 01 j 11:09	27°♃19'56	46.31076 AU	retrograde	-1311 Aug 18 j 18:42	6°♃21'37	
direct	-1318 Jan 21 j 08:58	26°♃20'39		opposition	-1311 Nov 08 j 12:12	5°♃20'42	-9°-12'-29
				min. Earth dist.	-1311 Nov 09 j 15:16	5°♃19'22	45.22757 AU
conjunction	-1318 May 01 j 11:32	27°♃49'32	-10°-38'-6	direct	-1310 Jan 29 j 01:29	4°♃19'37	
minimum elong	-1318 May 01 j 11:44	27°♃49'32	10°38'06				
max. Earth dist.	-1318 Apr 30 j 14:38	27°♃48'19	48.21376 AU	conjunction	-1310 May 09 j 20:09	5°♃50'36	-8°-41'-26
retrograde	-1318 Aug 11 j 16:55	29°♃20'25		minimum elong	-1310 May 09 j 20:20	5°♃50'37	8°41'25
opposition	-1318 Nov 01 j 22:13	28°♃20'05	-10°-58'-26	max. Earth dist.	-1310 May 08 j 14:16	5°♃48'50	47.12986 AU
min. Earth dist.	-1318 Nov 02 j 18:10	28°♃19'07	46.18623 AU	retrograde	-1310 Aug 19 j 23:04	7°♃23'12	
direct	-1317 Jan 22 j 14:01	27°♃19'48		opposition	-1310 Nov 09 j 17:58	6°♃22'13	-8°-56'-15
				min. Earth dist.	-1310 Nov 10 j 21:45	6°♃20'51	45.07750 AU
conjunction	-1317 May 02 j 18:21	28°♃48'52	-10°-24'-26	direct	-1309 Jan 30 j 10:47	5°♃21'01	
minimum elong	-1317 May 02 j 18:33	28°♃48'53	10°24'26	max. Earth dist.	-1309 May 09 j 19:19	6°♃50'25	46.97895 AU
max. Earth dist.	-1317 May 01 j 20:15	28°♃47'35	48.08888 AU				
	-1317 Jun 30 j 09:09	0°♃		conjunction	-1309 May 11 j 03:54	6°♃52'21	-8°-25'-40
retrograde	-1317 Aug 13 j 00:21	0°♃19'54		minimum elong	-1309 May 11 j 04:04	6°♃52'21	8°25'41
	-1317 Sep 25 j 20:35	30°♃		retrograde	-1309 Aug 21 j 05:49	8°♃25'14	
opposition	-1317 Nov 03 j 03:19	29°♃19'27	-10°-44'-7	opposition	-1309 Nov 11 j 00:05	7°♃24'09	-8°-39'-45
min. Earth dist.	-1317 Nov 03 j 23:29	29°♃18'29	46.05794 AU	min. Earth dist.	-1309 Nov 12 j 05:24	7°♃22'42	44.92277 AU
direct	-1316 Jan 23 j 18:18	28°♃19'02		direct	-1308 Jan 31 j 17:42	6°♃22'49	
max. Earth dist.	-1316 May 02 j 00:57	29°♃46'56	47.96034 AU	max. Earth dist.	-1308 May 10 j 02:19	7°♃52'29	46.82307 AU
conjunction	-1316 May 03 j 00:58	29°♃48'19	-10°-10'-31	conjunction	-1308 May 11 j 11:46	7°♃54'28	-8°-9'-40
minimum elong	-1316 May 03 j 01:09	29°♃48'20	10°10'31	minimum elong	-1308 May 11 j 11:57	7°♃54'28	8°09'39
	-1316 May 11 j 11:11	0°♃		retrograde	-1308 Aug 21 j 12:42	9°♃27'38	
retrograde	-1316 Aug 13 j 07:10	1°♃19'31		opposition	-1308 Nov 11 j 06:22	8°♃26'26	-8°-22'-59
opposition	-1316 Nov 03 j 08:38	0°♃18'58	-10°-29'-33	min. Earth dist.	-1308 Nov 12 j 13:28	8°♃24'54	44.76302 AU
min. Earth dist.	-1316 Nov 04 j 06:38	0°♃17'54	45.92640 AU	direct	-1307 Feb 01 j 00:10	7°♃24'57	
	-1316 Nov 19 j 21:32	30°♃		max. Earth dist.	-1307 May 11 j 08:42	8°♃54'50	46.66248 AU
direct	-1315 Jan 23 j 23:35	29°♃18'25					
	-1315 Mar 29 j 00:45	0°♃		conjunction	-1307 May 12 j 19:49	8°♃56'55	-7°-53'-24
max. Earth dist.	-1315 May 03 j 07:56	0°♃46'33	47.82885 AU	minimum elong	-1307 May 12 j 19:58	8°♃56'55	7°53'25
				retrograde	-1307 Aug 22 j 22:14	10°♃30'21	
conjunction	-1315 May 04 j 07:55	0°♃47'56	-9°-56'-20	opposition	-1307 Nov 12 j 12:31	9°♃29'02	-8°-5'-57
minimum elong	-1315 May 04 j 08:08	0°♃47'57	9°56'21	min. Earth dist.	-1307 Nov 13 j 20:12	9°♃27'28	44.59869 AU
retrograde	-1315 Aug 14 j 11:02	2°♃19'19		direct	-1306 Feb 02 j 04:38	8°♃27'22	
opposition	-1315 Nov 04 j 13:51	1°♃18'41	-10°-14'-42	max. Earth dist.	-1306 May 12 j 14:45	9°♃57'27	46.49726 AU
min. Earth dist.	-1315 Nov 05 j 12:11	1°♃17'35	45.79202 AU				
direct	-1314 Jan 25 j 07:37	0°♃18'00		conjunction	-1306 May 14 j 04:01	9°♃59'40	-7°-36'-53
				minimum elong	-1306 May 14 j 04:12	9°♃59'41	7°36'53
conjunction	-1314 May 05 j 14:51	1°♃47'46	-9°-41'-53	retrograde	-1306 Aug 24 j 08:12	11°♃33'23	
minimum elong	-1314 May 05 j 15:02	1°♃47'47	9°41'53	opposition	-1306 Nov 13 j 19:01	10°♃31'54	-7°-48'-38
max. Earth dist.	-1314 May 04 j 12:48	1°♃46'15	47.69475 AU	min. Earth dist.	-1306 Nov 15 j 04:52	10°♃30'14	44.43006 AU
retrograde	-1314 Aug 15 j 17:35	3°♃19'22		direct	-1305 Feb 03 j 09:59	9°♃30'04	
opposition	-1314 Nov 05 j 19:17	2°♃18'39	-9°-59'-34	max. Earth dist.	-1305 May 13 j 22:48	11°♃00'28	46.32806 AU
min. Earth dist.	-1314 Nov 06 j 18:35	2°♃17'30	45.65517 AU				
direct	-1313 Jan 26 j 12:55	1°♃17'52		conjunction	-1305 May 15 j 12:22	11°♃02'43	-7°-20'-6
				minimum elong	-1305 May 15 j 12:31	11°♃02'43	7°20'06
conjunction	-1313 May 06 j 22:00	2°♃47'54	-9°-27'-10	retrograde	-1305 Aug 25 j 14:37	12°♃36'42	
minimum elong	-1313 May 06 j 22:11	2°♃47'54	9°27'11	opposition	-1305 Nov 15 j 01:27	11°♃35'04	-7°-31'-2
max. Earth dist.	-1313 May 05 j 19:27	2°♃46'21	47.55801 AU	min. Earth dist.	-1305 Nov 16 j 11:41	11°♃33'22	44.25769 AU
retrograde	-1313 Aug 17 j 00:54	4°♃19'43		direct	-1304 Feb 04 j 18:55	10°♃33'01	
opposition	-1313 Nov 07 j 00:49	3°♃18'56	-9°-44'-10	max. Earth dist.	-1304 May 14 j 04:54	12°♃03'39	46.15543 AU
min. Earth dist.	-1313 Nov 08 j 01:32	3°♃17'43	45.51565 AU				
direct	-1312 Jan 27 j 17:46	2°♃18'03		conjunction	-1304 May 15 j 20:40	12°♃06'02	-7°-3'-3
max. Earth dist.	-1312 May 06 j 01:35	3°♃46'46	47.41874 AU	minimum elong	-1304 May 15 j 20:50	12°♃06'03	7°03'03
				retrograde	-1304 Aug 25 j 21:40	13°♃40'19	
conjunction	-1312 May 07 j 05:10	3°♃48'23	-9°-12'-11	opposition	-1304 Nov 15 j 08:07	12°♃38'32	-7°-13'-10
minimum elong	-1312 May 07 j 05:21	3°♃48'23	9°12'11	min. Earth dist.	-1304 Nov 16 j 19:40	12°♃36'45	44.08234 AU
retrograde	-1312 Aug 17 j 10:54	5°♃20'27		direct	-1303 Feb 05 j 02:09	11°♃36'17	
opposition	-1312 Nov 07 j 06:21	4°♃19'36	-9°-28'-28	max. Earth dist.	-1303 May 15 j 13:03	13°♃07'15	45.97988 AU
min. Earth dist.	-1312 Nov 08 j 07:10	4°♃18'23	45.37336 AU				
direct	-1311 Jan 27 j 20:24	3°♃18'37		conjunction	-1303 May 17 j 05:12	13°♃09'40	-6°-45'-43
max. Earth dist.	-1311 May 07 j 07:00	4°♃47'33	47.27623 AU	minimum elong	-1303 May 17 j 05:21	13°♃09'40	6°45'43
				retrograde	-1303 Aug 27 j 03:10	14°♃44'16	

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Attention, astronomical year style is used: The year -1303 in astronomical counting style is the year 1304 BCE in historical counting style.

opposition	-1303 Nov 16 j 15:01	13°♃42'19	-6°-54'-59	minimum elong	-1295 May 26 j 09:18	21°♃55'52	4°17'06
min. Earth dist.	-1303 Nov 18 j 03:43	13°♃40'28	43.90422 AU	retrograde	-1295 Sep 05 j 09:46	23°♃33'43	
direct	-1302 Feb 06 j 11:03	12°♃39'53		opposition	-1295 Nov 25 j 04:41	22°♃30'32	-4°-18'-56
max. Earth dist.	-1302 May 16 j 20:34	14°♃11'08	45.80190 AU	min. Earth dist.	-1295 Nov 27 j 02:02	22°♃28'12	42.37226 AU
				direct	-1294 Feb 14 j 21:29	21°♃26'31	
conjunction	-1302 May 18 j 13:56	14°♃13'38	-6°-28'-7	max. Earth dist.	-1294 May 25 j 14:48	23°♃00'51	44.26392 AU
minimum elong	-1302 May 18 j 14:06	14°♃13'39	6°28'07				
	-1302 Jun 20 j 22:59	15°♃		conjunction	-1294 May 27 j 19:45	23°♃04'09	-3°-57'-19
retrograde	-1302 Aug 28 j 13:17	15°♃48'35		minimum elong	-1294 May 27 j 19:51	23°♃04'10	3°57'19
	-1302 Nov 06 j 14:41	15°♃		retrograde	-1294 Sep 06 j 20:04	24°♃42'27	
opposition	-1302 Nov 17 j 21:53	14°♃46'29	-6°-36'-31	opposition	-1294 Nov 26 j 13:18	23°♃39'05	-3°-58'-6
min. Earth dist.	-1302 Nov 19 j 10:43	14°♃44'38	43.72385 AU	min. Earth dist.	-1294 Nov 28 j 12:38	23°♃36'38	42.16263 AU
direct	-1301 Feb 07 j 15:57	13°♃43'51		direct	-1293 Feb 16 j 06:17	22°♃34'49	
	-1301 May 07 j 11:12	15°♃		max. Earth dist.	-1293 May 27 j 01:17	24°♃09'38	44.05325 AU
max. Earth dist.	-1301 May 18 j 04:02	15°♃15'26	45.62153 AU				
				conjunction	-1293 May 29 j 06:38	24°♃12'59	-3°-37'-14
conjunction	-1301 May 19 j 22:53	15°♃18'02	-6°-10'-14	minimum elong	-1293 May 29 j 06:44	24°♃13'00	3°37'13
minimum elong	-1301 May 19 j 23:02	15°♃18'02	6°10'14	retrograde	-1293 Sep 08 j 03:02	25°♃51'45	
retrograde	-1301 Aug 29 j 23:46	16°♃53'20		opposition	-1293 Nov 27 j 22:15	24°♃48'10	-3°-36'-59
opposition	-1301 Nov 19 j 05:12	15°♃51'05	-6°-17'-45	min. Earth dist.	-1293 Nov 29 j 22:30	24°♃45'40	41.94948 AU
min. Earth dist.	-1301 Nov 20 j 19:55	15°♃49'08	43.54119 AU	direct	-1292 Feb 17 j 18:15	23°♃43'38	
	-1300 Jan 07 j 13:25	15°♃		max. Earth dist.	-1292 May 27 j 10:22	25°♃18'53	43.83946 AU
direct	-1300 Feb 08 j 20:40	14°♃48'17					
	-1300 Mar 12 j 05:28	15°♃		conjunction	-1292 May 29 j 17:22	25°♃22'22	-3°-16'-52
max. Earth dist.	-1300 May 18 j 12:58	16°♃20'17	45.43887 AU	minimum elong	-1292 May 29 j 17:27	25°♃22'22	3°16'53
				retrograde	-1292 Sep 08 j 13:35	27°♃01'37	
conjunction	-1300 May 20 j 07:54	16°♃22'54	-5°-52'-4	opposition	-1292 Nov 28 j 07:18	25°♃57'48	-3°-15'-34
minimum elong	-1300 May 20 j 08:02	16°♃22'54	5°52'05	min. Earth dist.	-1292 Nov 30 j 08:05	25°♃55'16	41.73362 AU
retrograde	-1300 Aug 30 j 08:01	17°♃58'35		direct	-1291 Feb 18 j 02:35	24°♃53'00	
opposition	-1300 Nov 19 j 12:34	16°♃56'12	-5°-58'-40	max. Earth dist.	-1291 May 28 j 20:33	26°♃28'45	43.62298 AU
min. Earth dist.	-1300 Nov 21 j 03:22	16°♃54'15	43.35598 AU				
direct	-1299 Feb 09 j 05:56	15°♃53'14		conjunction	-1291 May 31 j 04:38	26°♃32'18	-2°-56'-14
max. Earth dist.	-1299 May 19 j 19:56	17°♃25'33	45.25338 AU	minimum elong	-1291 May 31 j 04:42	26°♃32'19	2°56'14
				retrograde	-1291 Sep 10 j 01:06	28°♃12'05	
conjunction	-1299 May 21 j 17:11	17°♃28'19	-5°-33'-38	opposition	-1291 Nov 29 j 16:38	27°♃08'03	-2°-53'-50
minimum elong	-1299 May 21 j 17:18	17°♃28'20	5°33'37	min. Earth dist.	-1291 Dec 01 j 19:11	27°♃05'24	41.51545 AU
retrograde	-1299 Aug 31 j 17:00	19°♃04'24		direct	-1290 Feb 19 j 09:24	26°♃02'58	
opposition	-1299 Nov 20 j 20:03	18°♃01'54	-5°-39'-18	max. Earth dist.	-1290 May 30 j 07:41	27°♃39'17	43.40455 AU
min. Earth dist.	-1299 Nov 22 j 12:31	17°♃59'51	43.16777 AU				
direct	-1298 Feb 10 j 14:09	16°♃58'44		conjunction	-1290 Jun 01 j 16:09	27°♃42'52	-2°-35'-19
max. Earth dist.	-1298 May 21 j 05:11	18°♃31'31	45.06431 AU	minimum elong	-1290 Jun 01 j 16:13	27°♃42'52	2°35'19
				retrograde	-1290 Sep 11 j 13:31	29°♃23'11	
conjunction	-1298 May 23 j 02:57	18°♃34'19	-5°-14'-54	opposition	-1290 Dec 01 j 02:13	28°♃18'55	-2°-31'-48
minimum elong	-1298 May 23 j 03:05	18°♃34'20	5°14'55	min. Earth dist.	-1290 Dec 03 j 04:35	28°♃16'17	41.29553 AU
retrograde	-1298 Sep 02 j 00:41	20°♃10'51		direct	-1289 Feb 20 j 19:11	27°♃13'35	
opposition	-1298 Nov 22 j 03:56	19°♃08'11	-5°-19'-39	max. Earth dist.	-1289 May 31 j 17:21	28°♃50'23	43.18433 AU
min. Earth dist.	-1298 Nov 23 j 21:52	19°♃06'03	42.97558 AU				
direct	-1297 Feb 11 j 23:21	18°♃04'51		conjunction	-1289 Jun 03 j 03:45	28°♃54'07	-2°-14'-7
max. Earth dist.	-1297 May 22 j 13:04	19°♃37'59	44.87107 AU	minimum elong	-1289 Jun 03 j 03:49	28°♃54'07	2°14'07
					-1289 Jul 19 j 15:39	0°♂	
conjunction	-1297 May 24 j 12:45	19°♃40'55	-4°-55'-55	retrograde	-1289 Sep 13 j 03:16	0°♂34'59	
minimum elong	-1297 May 24 j 12:52	19°♃40'56	4°55'54		-1289 Nov 08 j 06:03	30°♂	
retrograde	-1297 Sep 03 j 11:01	21°♃17'53		opposition	-1289 Dec 02 j 12:09	29°♃30'30	-2°-9'-28
opposition	-1297 Nov 23 j 11:54	20°♃15'05	-4°-59'-42	min. Earth dist.	-1289 Dec 04 j 16:02	29°♃27'46	41.07408 AU
min. Earth dist.	-1297 Nov 25 j 06:36	20°♃12'54	42.77906 AU	direct	-1288 Feb 22 j 04:37	28°♃24'54	
direct	-1296 Feb 13 j 06:04	19°♃11'32			-1288 May 30 j 17:00	0°♂	
max. Earth dist.	-1296 May 22 j 21:13	20°♃45'03	44.67315 AU	max. Earth dist.	-1288 Jun 01 j 05:39	0°♂02'22	42.96255 AU
conjunction	-1296 May 24 j 22:53	20°♃48'07	-4°-36'-39	conjunction	-1288 Jun 03 j 15:50	0°♂06'06	-1°-52'-38
minimum elong	-1296 May 24 j 22:59	20°♃48'07	4°36'39	minimum elong	-1288 Jun 03 j 15:53	0°♂06'06	1°52'38
retrograde	-1296 Sep 03 j 22:36	22°♃25'31		retrograde	-1288 Sep 13 j 13:55	1°♂47'33	
opposition	-1296 Nov 23 j 20:16	21°♃22'32	-4°-39'-27	opposition	-1288 Dec 02 j 22:19	0°♂42'52	-1°-46'-50
min. Earth dist.	-1296 Nov 25 j 17:12	21°♃20'14	42.57790 AU	min. Earth dist.	-1288 Dec 05 j 02:38	0°♂40'06	40.85095 AU
direct	-1295 Feb 13 j 12:32	20°♃18'46			-1287 Jan 08 j 16:52	30°♂	
max. Earth dist.	-1295 May 24 j 06:51	21°♃52'44	44.47074 AU	direct	-1287 Feb 22 j 16:58	29°♃37'01	
					-1287 Apr 08 j 04:40	0°♂	
conjunction	-1295 May 26 j 09:12	21°♃55'52	-4°-17'-7	max. Earth dist.	-1287 Jun 02 j 16:06	1°♂15'01	42.73894 AU

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Attention, astronomical year style is used: The year -1287 in astronomical counting style is the year 1288 BCE in historical counting style.

conjunction	-1287 Jun 05 j 04:05	1°II18'54	-1°-30'-53	conjunction	-1279 Jun 15 j 19:49	11°II31'36	1°32'48
minimum elong	-1287 Jun 05 j 04:08	1°II18'54	1°30'53	minimum elong	-1279 Jun 15 j 19:46	11°II31'36	1°32'49
retrograde	-1287 Sep 15 j 01:25	3°II00'58		retrograde	-1279 Sep 25 j 16:15	13°II19'07	
opposition	-1287 Dec 04 j 08:45	1°II56'05	-1°-23'-53	opposition	-1279 Dec 14 j 09:06	12°II11'59	1°50'06
min. Earth dist.	-1287 Dec 06 j 14:01	1°II53'15	40.62579 AU	min. Earth dist.	-1279 Dec 16 j 23:27	12°II08'33	38.71606 AU
direct	-1286 Feb 24 j 03:18	0°II49'57		direct	-1278 Mar 06 j 00:16	11°II03'11	
max. Earth dist.	-1286 Jun 04 j 03:55	2°II28'35	42.51266 AU	max. Earth dist.	-1278 Jun 14 j 13:48	12°II47'16	40.59207 AU
conjunction	-1286 Jun 06 j 16:56	2°II32'34	-1°-8'-51	conjunction	-1278 Jun 17 j 11:26	12°II52'03	1°56'53
minimum elong	-1286 Jun 06 j 16:58	2°II32'34	1°08'50	minimum elong	-1278 Jun 17 j 11:22	12°II52'02	1°56'55
retrograde	-1286 Sep 16 j 12:28	4°II15'16		retrograde	-1278 Sep 27 j 08:34	14°II40'20	
opposition	-1286 Dec 05 j 19:36	3°II10'09	-1°00'-39	opposition	-1278 Dec 15 j 22:44	13°II32'54	2°15'35
min. Earth dist.	-1286 Dec 08 j 02:39	3°II07'13	40.39776 AU	min. Earth dist.	-1278 Dec 18 j 12:45	13°II29'27	38.46864 AU
direct	-1285 Feb 25 j 13:40	2°II03'46		direct	-1277 Mar 07 j 13:55	12°II23'44	
max. Earth dist.	-1285 Jun 05 j 16:05	3°II43'01	42.28334 AU	max. Earth dist.	-1277 Jun 16 j 04:01	14°II08'35	40.34394 AU
conjunction	-1285 Jun 08 j 06:04	3°II47'05	0°-46'-32	conjunction	-1277 Jun 19 j 03:21	14°II13'31	2°21'12
minimum elong	-1285 Jun 08 j 06:05	3°II47'05	0°46'32	minimum elong	-1277 Jun 19 j 03:17	14°II13'30	2°21'13
retrograde	-1285 Sep 18 j 02:59	5°II30'26		retrograde	-1277 Sep 29 j 01:50	16°II02'37	
opposition	-1285 Dec 07 j 06:47	4°II25'05	0°-37'-7	opposition	-1277 Dec 17 j 12:56	14°II54'53	2°41'20
min. Earth dist.	-1285 Dec 09 j 14:04	4°II22'07	40.16649 AU	min. Earth dist.	-1277 Dec 20 j 04:05	14°II51'22	38.22108 AU
direct	-1284 Feb 26 j 22:28	3°II18'24		direct	-1276 Mar 08 j 03:08	13°II45'22	
max. Earth dist.	-1284 Jun 06 j 03:11	4°II58'14	42.05040 AU	max. Earth dist.	-1276 Jun 16 j 20:43	15°II31'09	40.09554 AU
conjunction	-1284 Jun 08 j 19:22	5°II02'27	0°-23'-59	conjunction	-1276 Jun 19 j 19:44	15°II36'06	2°45'44
minimum elong	-1284 Jun 08 j 19:23	5°II02'28	0°23'58	minimum elong	-1276 Jun 19 j 19:38	15°II36'06	2°45'46
retrograde	-1284 Sep 18 j 17:49	6°II46'29		retrograde	-1276 Sep 29 j 16:47	17°II26'04	
opposition	-1284 Dec 07 j 18:25	5°II40'51	0°-13'-17	opposition	-1276 Dec 20 j 03:36	16°II18'04	3°07'19
min. Earth dist.	-1284 Dec 10 j 03:54	5°II37'46	39.93169 AU	min. Earth dist.	-1276 Dec 20 j 19:13	16°II14'29	37.97320 AU
direct	-1283 Feb 27 j 08:13	4°II33'51		direct	-1275 Mar 09 j 19:49	15°II08'12	
max. Earth dist.	-1283 Jun 07 j 16:45	6°II14'23	41.81391 AU	max. Earth dist.	-1275 Jun 18 j 12:18	16°II54'51	39.84677 AU
conjunction	-1283 Jun 10 j 09:18	6°II18'40	0°-1'-10	conjunction	-1275 Jun 21 j 12:36	16°II59'56	3°10'29
minimum elong	-1283 Jun 10 j 09:18	6°II18'40	0°01'10	minimum elong	-1275 Jun 21 j 12:31	16°II59'56	3°10'30
behind sun begin	-1283 Jun 10 j 02:46	6°II18'15		retrograde	-1275 Oct 01 j 10:28	18°II50'48	
behind sun end	-1283 Jun 10 j 15:50	6°II19'04		opposition	-1275 Dec 19 j 18:28	17°II42'31	3°33'32
asc. node	-1283 Jun 28 j 11:35	6°II47'12		min. Earth dist.	-1275 Dec 22 j 10:25	17°II38'54	37.72488 AU
retrograde	-1283 Sep 20 j 07:19	8°II03'20		direct	-1274 Mar 11 j 09:56	16°II32'19	
opposition	-1283 Dec 09 j 06:11	6°II57'26	0°10'49	max. Earth dist.	-1274 Jun 20 j 05:01	18°II19'53	39.59691 AU
min. Earth dist.	-1283 Dec 11 j 16:12	6°II54'18	39.69341 AU	conjunction	-1274 Jun 23 j 06:11	18°II25'05	3°35'26
direct	-1282 Feb 28 j 22:30	5°II50'05		minimum elong	-1274 Jun 23 j 06:04	18°II25'04	3°35'28
max. Earth dist.	-1282 Jun 09 j 04:31	7°II31'12	41.57407 AU	retrograde	-1274 Oct 03 j 02:59	20°II16'53	
conjunction	-1282 Jun 11 j 23:27	7°II35'40	0°21'59	opposition	-1274 Dec 21 j 10:09	19°II08'19	3°59'59
minimum elong	-1282 Jun 11 j 23:26	7°II35'40	0°22'01	min. Earth dist.	-1274 Dec 24 j 03:49	19°II04'35	37.47534 AU
retrograde	-1282 Sep 21 j 21:46	9°II21'00		direct	-1273 Mar 12 j 23:29	17°II57'46	
opposition	-1282 Dec 10 j 18:22	8°II14'49	0°35'13	max. Earth dist.	-1273 Jun 21 j 22:33	19°II46'19	39.34561 AU
min. Earth dist.	-1282 Dec 13 j 05:41	8°II11'35	39.45217 AU	conjunction	-1273 Jun 25 j 00:05	19°II51'34	4°00'35
direct	-1281 Mar 02 j 11:38	7°II07'07		minimum elong	-1273 Jun 24 j 23:57	19°II51'33	4°00'36
max. Earth dist.	-1281 Jun 10 j 18:32	8°II48'57	41.33126 AU	retrograde	-1273 Oct 04 j 21:59	21°II44'20	
conjunction	-1281 Jun 13 j 13:56	8°II53'29	0°45'20	opposition	-1273 Dec 23 j 02:13	20°II35'27	4°26'38
minimum elong	-1281 Jun 13 j 13:55	8°II53'29	0°45'21	min. Earth dist.	-1273 Dec 25 j 19:52	20°II31'42	37.22418 AU
retrograde	-1281 Sep 23 j 10:02	10°II39'30		direct	-1272 Mar 13 j 14:28	19°II24'32	
opposition	-1281 Dec 12 j 07:00	9°II33'01	0°59'54	max. Earth dist.	-1272 Jun 22 j 14:57	21°II13'58	39.09230 AU
min. Earth dist.	-1281 Dec 14 j 19:35	9°II29'42	39.20834 AU	conjunction	-1272 Jun 25 j 18:35	21°II19'25	4°25'54
direct	-1280 Mar 03 j 01:13	8°II24'57		minimum elong	-1272 Jun 25 j 18:26	21°II19'25	4°25'55
max. Earth dist.	-1280 Jun 11 j 08:15	10°II07'28	41.08632 AU	retrograde	-1272 Oct 05 j 19:31	23°II13'09	
conjunction	-1280 Jun 14 j 04:40	10°II12'06	1°08'56	opposition	-1272 Dec 23 j 18:51	22°II03'57	4°53'30
minimum elong	-1280 Jun 14 j 04:37	10°II12'06	1°08'58	min. Earth dist.	-1272 Dec 26 j 14:22	22°II00'04	36.97115 AU
retrograde	-1280 Sep 24 j 00:06	11°II58'51		direct	-1271 Mar 15 j 04:27	20°II52'38	
opposition	-1280 Dec 12 j 19:43	10°II52'03	1°24'52	max. Earth dist.	-1271 Jun 24 j 10:08	22°II43'07	38.83699 AU
min. Earth dist.	-1280 Dec 15 j 08:27	10°II48'43	38.96283 AU	conjunction	-1271 Jun 27 j 13:45	22°II48'37	4°51'23
direct	-1279 Mar 04 j 13:15	9°II43'37		minimum elong	-1271 Jun 27 j 13:36	22°II48'36	4°51'24
max. Earth dist.	-1279 Jun 12 j 21:56	11°II26'50	40.83968 AU	retrograde	-1271 Oct 07 j 14:21	24°II43'19	

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Attention, astronomical year style is used: The year -1271 in astronomical counting style is the year 1272 BCE in historical counting style.

opposition	-1271 Dec 25 j 12:04	23°II33'46	5°20'33	opposition	-1262 Jan 07 j 02:09	6°☾21'51	9°00'57
min. Earth dist.	-1271 Dec 28 j 07:52	23°II29'51	36.71611 AU	min. Earth dist.	-1262 Jan 10 j 01:30	6°☾17'31	34.67003 AU
direct	-1270 Mar 16 j 22:29	22°II22'03		direct	-1262 Mar 29 j 09:10	5°☾06'31	
max. Earth dist.	-1270 Jun 26 j 03:43	24°II13'27	38.57976 AU	max. Earth dist.	-1262 Jul 09 j 09:54	7°☾07'07	36.52051 AU
conjunction	-1270 Jun 29 j 09:18	24°II19'08	5°17'02	conjunction	-1262 Jul 12 j 18:05	7°☾13'26	8°44'44
minimum elong	-1270 Jun 29 j 09:07	24°II19'07	5°17'03	minimum elong	-1262 Jul 12 j 17:47	7°☾13'25	8°44'45
retrograde	-1270 Oct 09 j 11:15	26°II14'49		retrograde	-1262 Oct 22 j 22:59	9°☾18'03	
opposition	-1270 Dec 27 j 05:42	25°II04'54	5°47'47	opposition	-1261 Jan 09 j 00:59	8°☾05'02	9°28'32
min. Earth dist.	-1270 Dec 30 j 02:35	25°II00'54	36.45959 AU	min. Earth dist.	-1261 Jan 12 j 01:16	8°☾00'36	34.41979 AU
direct	-1269 Mar 18 j 16:48	23°II52'45		direct	-1261 Mar 31 j 07:19	6°☾49'16	
max. Earth dist.	-1269 Jun 27 j 23:42	25°II45'12	38.32103 AU	max. Earth dist.	-1261 Jul 11 j 10:38	8°☾51'09	36.26836 AU
conjunction	-1269 Jul 01 j 05:31	25°II50'57	5°42'48	conjunction	-1261 Jul 14 j 19:07	8°☾57'34	9°10'35
minimum elong	-1269 Jul 01 j 05:20	25°II50'57	5°42'50	minimum elong	-1261 Jul 14 j 18:49	8°☾57'33	9°10'37
retrograde	-1269 Oct 11 j 05:57	27°II47'39		retrograde	-1261 Oct 25 j 00:17	11°☾03'27	
opposition	-1269 Dec 29 j 00:04	26°II37'21	6°15'09	opposition	-1260 Jan 11 j 00:27	9°☾50'04	9°56'03
min. Earth dist.	-1269 Dec 31 j 22:00	26°II33'15	36.20197 AU	min. Earth dist.	-1260 Jan 14 j 00:16	9°☾45'38	34.17060 AU
direct	-1268 Mar 19 j 12:17	25°II24'45		direct	-1260 Apr 01 j 05:48	8°☾33'51	
max. Earth dist.	-1268 Jun 28 j 19:21	27°II18'13	38.06157 AU	max. Earth dist.	-1260 Jul 12 j 11:26	10°☾37'01	36.01681 AU
conjunction	-1268 Jul 02 j 01:57	27°II24'06	6°08'41	conjunction	-1260 Jul 15 j 20:51	10°☾43'34	9°36'19
minimum elong	-1268 Jul 02 j 01:45	27°II24'05	6°08'43	minimum elong	-1260 Jul 15 j 20:32	10°☾43'32	9°36'19
retrograde	-1268 Oct 12 j 02:37	29°II21'49		retrograde	-1260 Oct 26 j 01:59	12°☾50'44	
opposition	-1268 Dec 29 j 18:48	28°II11'08	6°42'39	opposition	-1259 Jan 12 j 00:51	11°☾36'57	10°23'25
min. Earth dist.	-1267 Jan 01 j 16:33	28°II07'01	35.94404 AU	min. Earth dist.	-1259 Jan 15 j 02:02	11°☾32'25	33.92205 AU
direct	-1267 Mar 21 j 06:25	26°II58'03		direct	-1259 Apr 03 j 03:18	10°☾20'17	
max. Earth dist.	-1267 Jun 30 j 15:36	28°II52'34	37.80180 AU	max. Earth dist.	-1259 Jul 14 j 14:35	12°☾24'51	35.76590 AU
conjunction	-1267 Jul 03 j 23:11	28°II58'34	6°34'40	conjunction	-1259 Jul 17 j 23:29	12°☾31'26	10°01'52
minimum elong	-1267 Jul 03 j 22:58	28°II58'33	6°34'41	minimum elong	-1259 Jul 17 j 23:09	12°☾31'24	10°01'54
retrograde	-1267 Aug 08 j 13:57	0°☾		retrograde	-1259 Oct 28 j 05:05	14°☾39'54	
retrograde	-1267 Oct 13 j 22:29	0°☾57'21		opposition	-1258 Jan 14 j 01:49	13°☾25'43	10°50'38
opposition	-1267 Dec 21 j 20:38	30°RII		min. Earth dist.	-1258 Jan 17 j 02:29	13°☾21'11	33.67420 AU
min. Earth dist.	-1267 Dec 31 j 14:10	29°II46'15	7°10'15	direct	-1258 Apr 05 j 03:17	12°☾08'34	
direct	-1266 Jan 03 j 13:22	29°II42'02	35.68637 AU	max. Earth dist.	-1258 Jul 16 j 16:32	14°☾14'25	35.51572 AU
retrograde	-1266 Mar 22 j 23:46	28°II32'43		conjunction	-1258 Jul 20 j 02:48	14°☾21'10	10°27'14
max. Earth dist.	-1266 Jun 16 j 17:14	0°☾		minimum elong	-1258 Jul 20 j 02:27	14°☾21'08	10°27'14
conjunction	-1266 Jul 02 j 13:57	0°☾28'25	37.54265 AU	retrograde	-1258 Oct 30 j 10:13	16°☾30'57	
conjunction	-1266 Jul 05 j 20:58	0°☾34'25	7°00'41	opposition	-1257 Jan 16 j 03:44	15°☾16'20	11°17'37
minimum elong	-1266 Jul 05 j 20:43	0°☾34'24	7°00'42	min. Earth dist.	-1257 Jan 19 j 05:23	15°☾11'43	33.42751 AU
retrograde	-1266 Oct 15 j 20:54	2°☾34'17		direct	-1257 Apr 07 j 02:52	13°☾58'42	
opposition	-1265 Jan 02 j 10:12	1°☾22'48	7°37'55	max. Earth dist.	-1257 Jul 18 j 21:29	16°☾06'02	35.26679 AU
min. Earth dist.	-1265 Jan 05 j 08:43	1°☾18'35	35.42972 AU	conjunction	-1257 Jul 22 j 06:45	16°☾12'46	10°52'21
direct	-1265 Mar 24 j 18:49	0°☾08'47		minimum elong	-1257 Jul 22 j 06:24	16°☾12'44	10°52'22
max. Earth dist.	-1265 Jul 04 j 10:47	2°☾05'34	37.28465 AU	retrograde	-1257 Nov 01 j 15:21	18°☾23'53	
conjunction	-1265 Jul 07 j 19:06	2°☾11'44	7°26'44	opposition	-1256 Jan 18 j 06:24	17°☾08'50	11°44'21
minimum elong	-1265 Jul 07 j 18:51	2°☾11'42	7°26'46	min. Earth dist.	-1256 Jan 21 j 07:50	17°☾04'11	33.18234 AU
retrograde	-1265 Oct 17 j 21:09	4°☾12'44		direct	-1256 Apr 08 j 06:50	15°☾50'42	
opposition	-1264 Jan 04 j 06:54	3°☾00'50	8°05'36	max. Earth dist.	-1256 Jul 20 j 01:13	17°☾59'21	35.01980 AU
min. Earth dist.	-1264 Jan 07 j 06:19	2°☾56'33	35.17472 AU	conjunction	-1256 Jul 23 j 11:22	18°☾06'13	11°17'09
direct	-1264 Mar 25 j 13:04	1°☾46'22		minimum elong	-1256 Jul 23 j 11:00	18°☾06'11	11°17'09
max. Earth dist.	-1264 Jul 05 j 10:42	3°☾44'27	37.02833 AU	retrograde	-1256 Nov 02 j 22:42	20°☾18'40	
conjunction	-1264 Jul 08 j 18:06	3°☾50'36	7°52'47	opposition	-1255 Jan 19 j 09:36	19°☾03'11	12°10'44
minimum elong	-1264 Jul 08 j 17:50	3°☾50'34	7°52'47	min. Earth dist.	-1255 Jan 22 j 10:53	18°☾58'31	32.93964 AU
retrograde	-1264 Oct 18 j 20:30	5°☾52'46		direct	-1255 Apr 10 j 09:58	17°☾44'32	
opposition	-1263 Jan 05 j 04:11	4°☾40'29	8°33'17	max. Earth dist.	-1255 Jul 22 j 07:36	19°☾54'41	34.77537 AU
min. Earth dist.	-1263 Jan 08 j 03:22	4°☾36'11	34.92147 AU	conjunction	-1255 Jul 25 j 16:55	20°☾01'33	11°41'35
direct	-1263 Mar 27 j 11:05	3°☾25'35		minimum elong	-1255 Jul 25 j 16:32	20°☾01'31	11°41'37
max. Earth dist.	-1263 Jul 07 j 09:14	5°☾24'51	36.77378 AU	retrograde	-1255 Nov 05 j 03:31	22°☾15'22	
conjunction	-1263 Jul 10 j 17:40	5°☾31'08	8°18'47	opposition	-1254 Jan 21 j 13:53	20°☾59'25	12°36'42
minimum elong	-1263 Jul 10 j 17:24	5°☾31'07	8°18'49	min. Earth dist.	-1254 Jan 24 j 15:28	20°☾54'42	32.69994 AU
retrograde	-1263 Oct 20 j 22:36	7°☾34'30		direct	-1254 Apr 12 j 13:51	19°☾40'16	

Planetary Phenomena of Pluto from -1400 through -900 (UT), Astrodienst AG 14-Nov-2015 16:10, page 10

Attention, astronomical year style is used: The year -1254 in astronomical counting style is the year 1255 BCE in historical counting style.

max. Earth dist.	-1254 Jul 24 j 14:05	21°☿51'53	34.53453 AU	min. Earth dist.	-1246 Feb 10 j 02:23	7°♃38'53	30.95889 AU
				direct	-1246 Apr 28 j 20:28	6°♃20'45	
conjunction	-1254 Jul 27 j 22:55	21°☿58'47	12°05'35	max. Earth dist.	-1246 Aug 11 j 03:12	8°♃44'45	32.78889 AU
minimum elong	-1254 Jul 27 j 22:32	21°☿58'45	12°05'36				
retrograde	-1254 Nov 07 j 10:31	24°☿13'57		conjunction	-1246 Aug 14 j 04:25	8°♃51'31	14°53'32
opposition	-1253 Jan 23 j 18:52	22°☿57'34	13°02'12	minimum elong	-1246 Aug 14 j 04:02	8°♃51'29	14°53'32
min. Earth dist.	-1253 Jan 26 j 19:09	22°☿52'54	32.46432 AU	retrograde	-1246 Nov 25 j 01:19	11°♃18'00	
direct	-1253 Apr 14 j 18:27	21°☿37'56		opposition	-1245 Feb 09 j 19:30	9°♃58'28	15°59'56
max. Earth dist.	-1253 Jul 26 j 21:26	23°☿51'01	34.29798 AU	min. Earth dist.	-1245 Feb 12 j 14:41	9°♃53'56	30.76400 AU
				direct	-1245 May 01 j 07:37	8°♃35'25	
conjunction	-1253 Jul 30 j 05:50	23°☿57'58	12°29'04	max. Earth dist.	-1245 Aug 13 j 17:39	11°♃00'53	32.59403 AU
minimum elong	-1253 Jul 30 j 05:26	23°☿57'56	12°29'06				
retrograde	-1253 Nov 09 j 17:42	26°☿14'31		conjunction	-1245 Aug 16 j 17:41	11°♃07'36	15°10'32
opposition	-1252 Jan 26 j 00:50	24°☿57'43	13°27'08	minimum elong	-1245 Aug 16 j 17:20	11°♃07'34	15°10'33
min. Earth dist.	-1252 Jan 29 j 01:27	24°☿52'59	32.23351 AU	retrograde	-1245 Nov 27 j 16:37	13°♃35'24	
direct	-1252 Apr 15 j 21:07	23°☿37'36		opposition	-1244 Feb 12 j 08:33	12°♃15'29	16°17'46
max. Earth dist.	-1252 Jul 28 j 06:31	25°☿52'16	34.06667 AU	min. Earth dist.	-1244 Feb 15 j 01:48	12°♃11'03	30.57475 AU
				direct	-1244 May 02 j 20:38	10°♃52'01	
conjunction	-1252 Jul 31 j 13:22	25°☿59'09	12°51'59	max. Earth dist.	-1244 Aug 15 j 08:49	13°♃18'56	32.40506 AU
minimum elong	-1252 Jul 31 j 12:58	25°☿59'07	12°51'59				
retrograde	-1252 Nov 11 j 01:28	28°☿17'07		conjunction	-1244 Aug 18 j 07:44	13°♃25'36	15°26'23
opposition	-1251 Jan 27 j 07:33	26°☿59'54	13°51'26	minimum elong	-1244 Aug 18 j 07:23	13°♃25'34	15°26'23
min. Earth dist.	-1251 Jan 30 j 06:21	26°☿55'16	32.00799 AU		-1244 Oct 02 j 10:18	15°♃	
direct	-1251 Apr 18 j 02:58	25°☿39'20		retrograde	-1244 Nov 29 j 07:30	15°♃54'42	
max. Earth dist.	-1251 Jul 30 j 14:57	27°☿55'29	33.84069 AU		-1243 Jan 29 j 00:55	15°♃	
				opposition	-1243 Feb 13 j 22:39	14°♃34'24	16°34'22
conjunction	-1251 Aug 02 j 21:50	28°☿02'26	13°14'14	min. Earth dist.	-1243 Feb 16 j 15:41	14°♃29'57	30.39159 AU
minimum elong	-1251 Aug 02 j 21:26	28°☿02'24	13°14'15	direct	-1243 May 05 j 08:16	13°♃10'31	
	-1251 Oct 07 j 15:05	0°♃			-1243 Jul 31 j 15:39	15°♃	
retrograde	-1251 Nov 13 j 10:46	0°♃21'51		max. Earth dist.	-1243 Aug 18 j 01:46	15°♃38'56	32.22281 AU
	-1251 Dec 21 j 04:14	30°♃					
opposition	-1250 Jan 29 j 15:09	29°☿04'14	14°15'02	conjunction	-1243 Aug 20 j 22:27	15°♃45'26	15°41'01
min. Earth dist.	-1250 Feb 01 j 14:06	28°☿59'34	31.78796 AU	minimum elong	-1243 Aug 20 j 22:08	15°♃45'25	15°41'02
direct	-1250 Apr 20 j 07:40	27°☿43'14		retrograde	-1243 Dec 01 j 22:14	18°♃15'47	
	-1250 Aug 01 j 14:19	0°♃		opposition	-1242 Feb 16 j 13:26	16°♃55'07	16°49'36
max. Earth dist.	-1250 Aug 02 j 02:26	0°♃01'05	33.62020 AU	min. Earth dist.	-1242 Feb 19 j 04:01	16°♃50'49	30.21530 AU
				direct	-1242 May 07 j 23:08	15°♃30'51	
conjunction	-1250 Aug 05 j 07:10	0°♃07'54	13°35'46	max. Earth dist.	-1242 Aug 20 j 18:12	18°♃00'36	32.04800 AU
minimum elong	-1250 Aug 05 j 06:46	0°♃07'52	13°35'47				
retrograde	-1250 Nov 15 j 20:52	2°♃28'45		conjunction	-1242 Aug 23 j 13:47	18°♃07'04	15°54'19
opposition	-1249 Jan 31 j 23:47	1°♃10'45	14°37'50	minimum elong	-1242 Aug 23 j 13:28	18°♃07'02	15°54'19
min. Earth dist.	-1249 Feb 03 j 21:24	1°♃06'09	31.57320 AU	retrograde	-1242 Dec 04 j 14:00	20°♃38'38	
	-1249 Mar 27 j 02:00	30°♃		opposition	-1241 Feb 19 j 05:13	19°♃17'35	17°03'23
direct	-1249 Apr 22 j 15:21	29°☿49'21		min. Earth dist.	-1241 Feb 21 j 18:48	19°♃13'20	30.04690 AU
	-1249 May 18 j 22:49	0°♃		direct	-1241 May 10 j 12:14	17°♃52'57	
max. Earth dist.	-1249 Aug 04 j 12:15	2°♃08'40	33.40494 AU	max. Earth dist.	-1241 Aug 23 j 13:23	20°♃24'13	31.88172 AU
conjunction	-1249 Aug 07 j 17:03	2°♃15'34	13°56'32	conjunction	-1241 Aug 26 j 05:38	20°♃30'24	16°06'12
minimum elong	-1249 Aug 07 j 16:40	2°♃15'32	13°56'34	minimum elong	-1241 Aug 26 j 05:22	20°♃30'23	16°06'13
retrograde	-1249 Nov 18 j 09:31	4°♃37'52		retrograde	-1241 Dec 07 j 06:11	23°♃03'09	
opposition	-1248 Feb 03 j 09:17	3°♃19'29	14°59'48	opposition	-1240 Feb 21 j 21:44	21°♃41'46	17°15'36
min. Earth dist.	-1248 Feb 06 j 06:29	3°♃14'54	31.36362 AU	min. Earth dist.	-1240 Feb 24 j 08:47	21°♃37'41	29.88708 AU
direct	-1248 Apr 23 j 22:13	1°♃57'40		direct	-1240 May 12 j 03:53	20°♃16'49	
max. Earth dist.	-1248 Aug 06 j 01:10	4°♃18'38	33.19463 AU	max. Earth dist.	-1240 Aug 25 j 07:14	22°♃49'21	31.72471 AU
conjunction	-1248 Aug 09 j 04:04	4°♃25'25	14°16'28	conjunction	-1240 Aug 27 j 22:08	22°♃55'27	16°16'35
minimum elong	-1248 Aug 09 j 03:41	4°♃25'23	14°16'28	minimum elong	-1240 Aug 27 j 21:53	22°♃55'26	16°16'35
retrograde	-1248 Nov 19 j 21:52	6°♃49'08		retrograde	-1240 Dec 09 j 00:23	25°♃29'22	
opposition	-1247 Feb 04 j 19:41	5°♃30'23	15°20'51	opposition	-1239 Feb 23 j 14:51	24°♃07'40	17°26'10
min. Earth dist.	-1247 Feb 07 j 16:19	5°♃25'48	31.15878 AU	min. Earth dist.	-1239 Feb 26 j 00:01	24°♃03'42	29.73672 AU
direct	-1247 Apr 26 j 09:13	4°♃08'09		direct	-1239 May 14 j 18:34	22°♃42'26	
max. Earth dist.	-1247 Aug 08 j 13:02	6°♃30'35	32.98929 AU	max. Earth dist.	-1239 Aug 28 j 04:10	25°♃16'26	31.57754 AU
conjunction	-1247 Aug 11 j 15:48	6°♃37'26	14°35'29	conjunction	-1239 Aug 30 j 15:27	25°♃22'13	16°25'23
minimum elong	-1247 Aug 11 j 15:26	6°♃37'24	14°35'30	minimum elong	-1239 Aug 30 j 15:15	25°♃22'12	16°25'24
retrograde	-1247 Nov 22 j 12:38	9°♃02'32		retrograde	-1239 Dec 11 j 18:10	27°♃57'13	
opposition	-1246 Feb 07 j 07:03	7°♃43'24	15°40'56	opposition	-1238 Feb 26 j 08:59	26°♃35'17	17°34'59

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Attention, astronomical year style is used: The year -1238 in astronomical counting style is the year 1239 BCE in historical counting style.

min. Earth dist.	-1238 Feb 28 j 15:57	26° Ω 31'27	29.59595 AU	min. Earth dist.	-1230 Mar 20 j 19:40	17° \mp 02'48	28.80655 AU
direct	-1238 May 17 j 12:41	25° Ω 09'50		direct	-1230 Jun 07 j 06:07	15° \mp 38'58	
max. Earth dist.	-1238 Aug 30 j 23:22	27° Ω 45'01	31.44046 AU	max. Earth dist.	-1230 Sep 21 j 11:30	18° \mp 21'11	30.68985 AU
conjunction	-1238 Sep 02 j 09:01	27° Ω 50'41	16°32'32	conjunction	-1230 Sep 22 j 21:55	18° \mp 24'41	16°25'13
minimum elong	-1238 Sep 02 j 08:50	27° Ω 50'40	16°32'32	minimum elong	-1230 Sep 22 j 22:01	18° \mp 24'41	16°25'13
	-1238 Nov 05 j 14:29	0° \mp		retrograde	-1229 Jan 04 j 11:52	21° \mp 05'48	
retrograde	-1238 Dec 14 j 14:25	0° \mp 26'45		opposition	-1229 Mar 22 j 06:44	19° \mp 42'23	17°28'09
	-1237 Jan 23 j 21:44	30° $\mathcal{R}\Omega$		min. Earth dist.	-1229 Mar 23 j 14:57	19° \mp 40'07	28.75089 AU
opposition	-1237 Mar 01 j 03:44	29° Ω 04'34	17°42'01	direct	-1229 Jun 10 j 05:05	18° \mp 16'00	
min. Earth dist.	-1237 Mar 03 j 07:56	29° Ω 00'56	29.46501 AU	max. Earth dist.	-1229 Sep 24 j 10:16	20° \mp 58'30	30.64138 AU
direct	-1237 May 20 j 06:15	27° Ω 38'56		conjunction	-1229 Sep 25 j 18:12	21° \mp 01'45	16°15'49
	-1237 Aug 27 j 08:29	0° \mp		minimum elong	-1229 Sep 25 j 18:23	21° \mp 01'46	16°15'49
max. Earth dist.	-1237 Sep 02 j 21:15	0° \mp 15'27	31.31325 AU	retrograde	-1228 Jan 07 j 08:51	23° \mp 43'03	
conjunction	-1237 Sep 05 j 03:24	0° \mp 20'48	16°37'58	opposition	-1228 Mar 24 j 05:26	22° \mp 19'31	17°17'12
minimum elong	-1237 Sep 05 j 03:16	0° \mp 20'47	16°37'59	min. Earth dist.	-1228 Mar 25 j 10:36	22° \mp 17'27	28.70651 AU
retrograde	-1237 Dec 17 j 09:32	2° \mp 57'50		direct	-1228 Jun 12 j 02:09	20° \mp 53'08	
opposition	-1236 Mar 02 j 23:14	1° \mp 35'28	17°47'10	max. Earth dist.	-1228 Sep 26 j 11:11	23° \mp 36'01	30.60477 AU
min. Earth dist.	-1236 Mar 05 j 01:53	1° \mp 31'56	29.34351 AU	conjunction	-1228 Sep 27 j 14:34	23° \mp 38'49	16°04'29
direct	-1236 May 22 j 00:19	0° \mp 09'42		minimum elong	-1228 Sep 27 j 14:45	23° \mp 38'50	16°04'29
max. Earth dist.	-1236 Sep 04 j 17:57	2° \mp 47'16	31.19578 AU	retrograde	-1227 Jan 09 j 03:46	26° \mp 20'09	
conjunction	-1236 Sep 06 j 22:08	2° \mp 52'27	16°41'39	opposition	-1227 Mar 27 j 04:25	24° \mp 56'34	17°04'10
minimum elong	-1236 Sep 06 j 22:01	2° \mp 52'27	16°41'40	min. Earth dist.	-1227 Mar 28 j 06:16	24° \mp 54'45	28.67381 AU
retrograde	-1236 Dec 19 j 07:44	5° \mp 30'24		direct	-1227 Jun 15 j 01:50	23° \mp 30'14	
opposition	-1235 Mar 05 j 19:19	4° \mp 07'51	17°50'26	max. Earth dist.	-1227 Sep 29 j 09:50	26° \mp 13'13	30.58048 AU
min. Earth dist.	-1235 Mar 07 j 18:51	4° \mp 04'31	29.23125 AU	conjunction	-1227 Sep 30 j 10:36	26° \mp 15'44	15°51'13
direct	-1235 May 24 j 20:52	2° \mp 41'56		minimum elong	-1227 Sep 30 j 10:51	26° \mp 15'45	15°51'12
max. Earth dist.	-1235 Sep 07 j 16:19	5° \mp 20'36	31.08758 AU	retrograde	-1226 Jan 12 j 01:15	28° \mp 57'03	
conjunction	-1235 Sep 09 j 17:28	5° \mp 25'31	16°43'33	opposition	-1226 Mar 30 j 03:21	27° \mp 33'27	16°49'03
minimum elong	-1235 Sep 09 j 17:25	5° \mp 25'31	16°43'34	min. Earth dist.	-1226 Mar 31 j 01:11	27° \mp 31'54	28.65338 AU
retrograde	-1235 Dec 22 j 03:28	8° \mp 04'16		direct	-1226 Jun 17 j 23:39	26° \mp 07'12	
opposition	-1234 Mar 08 j 16:13	6° \mp 41'33	17°51'45	max. Earth dist.	-1226 Oct 02 j 10:39	28° \mp 50'23	30.56876 AU
min. Earth dist.	-1234 Mar 10 j 14:29	6° \mp 38'18	29.12794 AU	conjunction	-1226 Oct 03 j 06:43	28° \mp 52'26	15°36'02
direct	-1234 May 27 j 16:33	5° \mp 15'32		minimum elong	-1226 Oct 03 j 06:58	28° \mp 52'28	15°36'03
max. Earth dist.	-1234 Sep 10 j 14:31	7° \mp 55'06	30.98883 AU		-1226 Oct 31 j 18:49	0° Ω	
conjunction	-1234 Sep 12 j 13:08	7° \mp 59'47	16°43'38	retrograde	-1225 Jan 14 j 20:39	1° Ω 33'38	
minimum elong	-1234 Sep 12 j 13:04	7° \mp 59'47	16°43'38	opposition	-1225 Apr 02 j 02:21	0° Ω 10'04	16°31'53
retrograde	-1234 Dec 25 j 01:09	10° \mp 39'14		min. Earth dist.	-1225 Apr 02 j 21:23	0° Ω 08'43	28.64512 AU
opposition	-1233 Mar 11 j 13:33	9° \mp 16'22	17°51'06		-1225 Apr 08 j 01:34	30° $\mathcal{R}\mp$	
min. Earth dist.	-1233 Mar 13 j 08:17	9° \mp 13'21	29.03367 AU	direct	-1225 Jun 20 j 21:41	28° \mp 43'58	
direct	-1233 May 30 j 14:04	7° \mp 50'15			-1225 Aug 28 j 14:04	0° Ω	
max. Earth dist.	-1233 Sep 13 j 12:59	10° \mp 30'37	30.89933 AU	max. Earth dist.	-1225 Oct 05 j 09:05	1° Ω 27'04	30.56947 AU
conjunction	-1233 Sep 15 j 09:01	10° \mp 35'04	16°41'52	conjunction	-1225 Oct 06 j 02:22	1° Ω 28'49	15°19'01
minimum elong	-1233 Sep 15 j 09:02	10° \mp 35'04	16°41'52	minimum elong	-1225 Oct 06 j 02:40	1° Ω 28'51	15°19'00
retrograde	-1233 Dec 27 j 22:30	13° \mp 15'06		retrograde	-1224 Jan 17 j 18:13	4° Ω 09'49	
opposition	-1232 Mar 13 j 11:24	11° \mp 52'05	17°48'27	opposition	-1224 Apr 04 j 01:06	2° Ω 46'19	16°12'45
min. Earth dist.	-1232 Mar 15 j 04:39	11° \mp 49'10	28.94849 AU	min. Earth dist.	-1224 Apr 04 j 15:49	2° Ω 45'17	28.64880 AU
direct	-1232 Jun 01 j 10:20	10° \mp 25'52		direct	-1224 Jun 22 j 21:06	1° Ω 20'25	
max. Earth dist.	-1232 Sep 15 j 12:23	13° \mp 06'59	30.81947 AU	conjunction	-1224 Oct 07 j 22:00	4° Ω 04'48	15°00'12
conjunction	-1232 Sep 17 j 05:15	13° \mp 11'07	16°38'14	minimum elong	-1224 Oct 07 j 22:19	4° Ω 04'50	15°00'12
minimum elong	-1232 Sep 17 j 05:17	13° \mp 11'07	16°38'13	max. Earth dist.	-1224 Oct 07 j 09:02	4° Ω 03'29	30.58195 AU
retrograde	-1232 Dec 29 j 19:19	15° \mp 51'38		retrograde	-1223 Jan 19 j 13:28	6° Ω 45'30	
opposition	-1231 Mar 16 j 09:26	14° \mp 28'28	17°43'45	opposition	-1223 Apr 06 j 23:47	5° Ω 22'06	15°51'44
min. Earth dist.	-1231 Mar 17 j 23:11	14° \mp 25'48	28.87258 AU	min. Earth dist.	-1223 Apr 07 j 12:14	5° Ω 21'14	28.66381 AU
direct	-1231 Jun 04 j 09:01	13° \mp 02'11		direct	-1223 Jun 25 j 19:26	3° Ω 56'25	
max. Earth dist.	-1231 Sep 18 j 11:05	15° \mp 43'49	30.74940 AU	conjunction	-1223 Oct 10 j 17:15	6° Ω 40'14	14°39'41
conjunction	-1231 Sep 20 j 01:37	15° \mp 47'44	16°32'41	minimum elong	-1223 Oct 10 j 17:36	6° Ω 40'16	14°39'40
minimum elong	-1231 Sep 20 j 01:42	15° \mp 47'45	16°32'41	max. Earth dist.	-1223 Oct 10 j 07:11	6° Ω 39'13	30.60588 AU
retrograde	-1230 Jan 01 j 15:30	18° \mp 28'37		retrograde	-1222 Jan 22 j 10:33	9° Ω 20'33	
opposition	-1230 Mar 19 j 07:59	17° \mp 05'19	17°36'59	opposition	-1222 Apr 09 j 22:17	7° Ω 57'16	15°28'54

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Attention, astronomical year style is used: The year -1222 in astronomical counting style is the year 1223 BCE in historical counting style.

min. Earth dist.	-1222 Apr 10 j 06:19	7° <u>♁</u> 56'43	28.68977 AU	conjunction	-1214 Nov 02 j 00:14	29° <u>♁</u> 08'44	10°32'08
direct	-1222 Jun 28 j 18:34	6° <u>♁</u> 31'50		minimum elong	-1214 Nov 02 j 00:37	29° <u>♁</u> 08'47	10°32'08
				max. Earth dist.	-1214 Nov 02 j 19:26	29° <u>♁</u> 10'36	31.28432 AU
conjunction	-1222 Oct 13 j 12:09	9° <u>♁</u> 14'58	14°17'32		-1214 Nov 24 j 10:07	0° <u>♁</u>	
minimum elong	-1222 Oct 13 j 12:30	9° <u>♁</u> 15'01	14°17'32	retrograde	-1213 Feb 13 j 16:44	1° <u>♁</u> 41'54	
max. Earth dist.	-1222 Oct 13 j 05:44	9° <u>♁</u> 14'20	30.64056 AU	opposition	-1213 May 03 j 12:39	0° <u>♁</u> 20'12	10°57'37
retrograde	-1221 Jan 25 j 06:10	11° <u>♁</u> 54'49		min. Earth dist.	-1213 May 02 j 15:17	0° <u>♁</u> 21'38	29.38053 AU
opposition	-1221 Apr 12 j 20:40	10° <u>♁</u> 31'40	15°04'21		-1213 May 16 j 03:49	30° <u>♁</u>	
min. Earth dist.	-1221 Apr 13 j 02:31	10° <u>♁</u> 31'15	28.72620 AU	direct	-1213 Jul 22 j 12:59	28° <u>♁</u> 57'26	
direct	-1221 Jul 01 j 16:50	9° <u>♁</u> 06'29			-1213 Sep 23 j 12:41	0° <u>♁</u>	
conjunction	-1221 Oct 16 j 06:44	11° <u>♁</u> 48'51	13°53'51	conjunction	-1213 Nov 04 j 13:52	1° <u>♁</u> 30'52	9°59'16
minimum elong	-1221 Oct 16 j 07:07	11° <u>♁</u> 48'54	13°53'50	minimum elong	-1213 Nov 04 j 14:14	1° <u>♁</u> 30'54	9°59'15
max. Earth dist.	-1221 Oct 16 j 03:29	11° <u>♁</u> 48'32	30.68574 AU	max. Earth dist.	-1213 Nov 05 j 13:12	1° <u>♁</u> 33'07	31.41215 AU
retrograde	-1220 Jan 28 j 02:03	14° <u>♁</u> 28'06		retrograde	-1212 Feb 16 j 05:22	4° <u>♁</u> 02'59	
opposition	-1220 Apr 14 j 18:21	13° <u>♁</u> 05'06	14°38'11	min. Earth dist.	-1212 May 04 j 06:09	2° <u>♁</u> 43'08	29.50986 AU
min. Earth dist.	-1220 Apr 14 j 20:13	13° <u>♁</u> 04'59	28.77264 AU	opposition	-1212 May 05 j 05:45	2° <u>♁</u> 41'33	10°21'58
direct	-1220 Jul 03 j 16:37	11° <u>♁</u> 40'11		direct	-1212 Jul 24 j 05:55	1° <u>♁</u> 19'12	
conjunction	-1220 Oct 18 j 00:53	14° <u>♁</u> 21'42	13°28'42	conjunction	-1212 Nov 06 j 02:43	3° <u>♁</u> 51'19	9°25'41
minimum elong	-1220 Oct 18 j 01:16	14° <u>♁</u> 21'45	13°28'42	minimum elong	-1212 Nov 06 j 03:05	3° <u>♁</u> 51'21	9°25'41
max. Earth dist.	-1220 Oct 18 j 00:30	14° <u>♁</u> 21'40	30.74083 AU	max. Earth dist.	-1212 Nov 07 j 04:29	3° <u>♁</u> 53'47	31.55016 AU
retrograde	-1219 Jan 29 j 19:53	17° <u>♁</u> 00'18		retrograde	-1211 Feb 17 j 19:11	6° <u>♁</u> 22'22	
opposition	-1219 Apr 17 j 15:55	15° <u>♁</u> 37'27	14°10'29	opposition	-1211 May 07 j 22:10	5° <u>♁</u> 01'15	9°45'37
min. Earth dist.	-1219 Apr 17 j 15:24	15° <u>♁</u> 37'29	28.82893 AU	min. Earth dist.	-1211 May 06 j 18:28	5° <u>♁</u> 03'05	29.64905 AU
direct	-1219 Jul 06 j 13:22	14° <u>♁</u> 12'48		direct	-1211 Jul 26 j 22:14	3° <u>♁</u> 39'18	
conjunction	-1219 Oct 20 j 18:28	16° <u>♁</u> 53'21	13°02'11	conjunction	-1211 Nov 08 j 14:49	6° <u>♁</u> 10'06	8°51'31
minimum elong	-1219 Oct 20 j 18:52	16° <u>♁</u> 53'23	13°02'10	minimum elong	-1211 Nov 08 j 15:09	6° <u>♁</u> 10'08	8°51'29
max. Earth dist.	-1219 Oct 20 j 21:47	16° <u>♁</u> 53'41	30.80584 AU	max. Earth dist.	-1211 Nov 09 j 19:55	6° <u>♁</u> 12'52	31.69741 AU
retrograde	-1218 Feb 01 j 13:28	19° <u>♁</u> 31'11		retrograde	-1210 Feb 20 j 07:48	8° <u>♁</u> 40'04	
opposition	-1218 Apr 20 j 12:55	18° <u>♁</u> 08'29	13°41'21	min. Earth dist.	-1210 May 09 j 08:22	7° <u>♁</u> 21'13	29.79744 AU
min. Earth dist.	-1218 Apr 20 j 08:46	18° <u>♁</u> 08'47	28.89485 AU	opposition	-1210 May 10 j 14:07	7° <u>♁</u> 19'15	9°08'41
direct	-1218 Jul 09 j 12:30	16° <u>♁</u> 44'07		direct	-1210 Jul 29 j 14:23	5° <u>♁</u> 57'44	
conjunction	-1218 Oct 23 j 11:23	19° <u>♁</u> 23'37	12°34'23	conjunction	-1210 Nov 11 j 02:23	8° <u>♁</u> 27'11	8°16'50
minimum elong	-1218 Oct 23 j 11:47	19° <u>♁</u> 23'40	12°34'24	minimum elong	-1210 Nov 11 j 02:42	8° <u>♁</u> 27'13	8°16'49
max. Earth dist.	-1218 Oct 23 j 17:09	19° <u>♁</u> 24'12	30.88062 AU	max. Earth dist.	-1210 Nov 12 j 10:14	8° <u>♁</u> 30'12	31.85336 AU
retrograde	-1217 Feb 04 j 07:04	22° <u>♁</u> 00'38		retrograde	-1209 Feb 22 j 20:40	10° <u>♁</u> 56'02	
opposition	-1217 Apr 23 j 09:19	20° <u>♁</u> 38'05	13°10'53	min. Earth dist.	-1209 May 11 j 20:02	9° <u>♁</u> 37'42	29.95413 AU
min. Earth dist.	-1217 Apr 23 j 02:04	20° <u>♁</u> 38'35	28.97084 AU	opposition	-1209 May 13 j 05:04	9° <u>♁</u> 35'32	8°31'17
direct	-1217 Jul 12 j 08:21	19° <u>♁</u> 14'00		direct	-1209 Aug 01 j 07:37	8° <u>♁</u> 14'26	
conjunction	-1217 Oct 26 j 03:42	21° <u>♁</u> 52'22	12°05'24	conjunction	-1209 Nov 13 j 13:11	10° <u>♁</u> 42'32	7°41'45
minimum elong	-1217 Oct 26 j 04:06	21° <u>♁</u> 52'25	12°05'23	minimum elong	-1209 Nov 13 j 13:29	10° <u>♁</u> 42'34	7°41'43
max. Earth dist.	-1217 Oct 26 j 13:39	21° <u>♁</u> 53'21	30.96558 AU	max. Earth dist.	-1209 Nov 14 j 23:16	10° <u>♁</u> 45'44	32.01696 AU
retrograde	-1216 Feb 06 j 21:12	24° <u>♁</u> 28'29		retrograde	-1208 Feb 25 j 08:09	13° <u>♁</u> 10'15	
opposition	-1216 Apr 25 j 05:07	23° <u>♁</u> 06'07	12°39'11	min. Earth dist.	-1208 May 13 j 08:08	11° <u>♁</u> 52'22	30.11846 AU
min. Earth dist.	-1216 Apr 24 j 18:46	23° <u>♁</u> 06'49	29.05695 AU	opposition	-1208 May 14 j 19:28	11° <u>♁</u> 50'03	7°53'32
direct	-1216 Jul 14 j 06:00	21° <u>♁</u> 42'19		direct	-1208 Aug 02 j 21:45	10° <u>♁</u> 29'23	
conjunction	-1216 Oct 27 j 19:10	24° <u>♁</u> 19'30	11°35'18	conjunction	-1208 Nov 14 j 23:24	12° <u>♁</u> 56'07	7°06'21
minimum elong	-1216 Oct 27 j 19:34	24° <u>♁</u> 19'32	11°35'17	minimum elong	-1208 Nov 14 j 23:41	12° <u>♁</u> 56'09	7°06'20
max. Earth dist.	-1216 Oct 28 j 07:26	24° <u>♁</u> 20'42	31.06091 AU	max. Earth dist.	-1208 Nov 16 j 12:30	12° <u>♁</u> 59'34	32.18763 AU
retrograde	-1215 Feb 08 j 12:35	26° <u>♁</u> 54'40			-1207 Jan 20 j 03:24	15° <u>♁</u>	
min. Earth dist.	-1215 Apr 27 j 09:57	25° <u>♁</u> 33'27	29.15385 AU	retrograde	-1207 Feb 26 j 17:02	15° <u>♁</u> 22'39	
opposition	-1215 Apr 28 j 00:12	25° <u>♁</u> 32'29	12°06'20		-1207 Apr 06 j 14:56	15° <u>♁</u>	
direct	-1215 Jul 17 j 00:25	24° <u>♁</u> 09'00		min. Earth dist.	-1207 May 15 j 19:22	14° <u>♁</u> 05'14	30.28953 AU
conjunction	-1215 Oct 30 j 10:09	26° <u>♁</u> 44'58	11°04'11	opposition	-1207 May 17 j 09:03	14° <u>♁</u> 02'47	7°15'30
minimum elong	-1215 Oct 30 j 10:33	26° <u>♁</u> 45'00	11°04'09	direct	-1207 Aug 05 j 13:39	12° <u>♁</u> 42'32	
max. Earth dist.	-1215 Oct 31 j 02:56	26° <u>♁</u> 46'36	31.16712 AU		-1207 Nov 13 j 19:46	15° <u>♁</u>	
retrograde	-1214 Feb 11 j 02:09	29° <u>♁</u> 19'08		conjunction	-1207 Nov 17 j 08:50	15° <u>♁</u> 07'52	6°30'44
opposition	-1214 Apr 30 j 18:51	27° <u>♁</u> 57'11	11°32'26	minimum elong	-1207 Nov 17 j 09:06	15° <u>♁</u> 07'53	6°30'43
min. Earth dist.	-1214 Apr 30 j 01:53	27° <u>♁</u> 58'20	29.26169 AU	max. Earth dist.	-1207 Nov 18 j 23:15	15° <u>♁</u> 11'24	32.36465 AU
direct	-1214 Jul 19 j 18:59	26° <u>♁</u> 34'03		retrograde	-1206 Mar 01 j 03:03	17° <u>♁</u> 33'13	
				min. Earth dist.	-1206 May 18 j 05:29	16° <u>♁</u> 16'16	30.46717 AU

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Attention, astronomical year style is used: The year -1206 in astronomical counting style is the year 1207 BCE in historical counting style.

opposition	-1206 May 19 j 21:59	16°♌13'39	6°37'19	retrograde	-1198 Mar 17 j 02:13	3°♌50'49	
	-1206 Jul 19 j 01:15	15°♌		min. Earth dist.	-1198 Jun 03 j 14:53	2°♌37'26	32.11829 AU
direct	-1206 Aug 08 j 03:04	14°♌53'47		opposition	-1198 Jun 06 j 00:44	2°♌33'51	1°34'33
	-1206 Aug 27 j 19:46	15°♌		direct	-1198 Aug 25 j 10:02	1°♌17'20	
conjunction	-1206 Nov 19 j 17:37	17°♌17'43	5°54'59	conjunction	-1198 Dec 05 j 13:13	3°♌30'35	1°11'53
minimum elong	-1206 Nov 19 j 17:52	17°♌17'44	5°54'59	minimum elong	-1198 Dec 05 j 13:16	3°♌30'35	1°11'52
max. Earth dist.	-1206 Nov 21 j 11:16	17°♌21'32	32.54778 AU	max. Earth dist.	-1198 Dec 07 j 22:56	3°♌35'33	34.23450 AU
retrograde	-1205 Mar 03 j 09:58	19°♌41'52		retrograde	-1197 Mar 19 j 05:43	5°♌45'32	
min. Earth dist.	-1205 May 20 j 16:10	18°♌25'18	30.65086 AU	min. Earth dist.	-1197 Jun 05 j 18:36	4°♌32'40	32.35060 AU
opposition	-1205 May 22 j 10:06	18°♌22'36	5°59'02	opposition	-1197 Jun 08 j 06:50	4°♌28'57	0°58'00
direct	-1205 Aug 10 j 16:51	17°♌03'08		direct	-1197 Aug 27 j 16:48	3°♌12'52	
conjunction	-1205 Nov 22 j 01:34	19°♌25'39	5°19'10	conjunction	-1197 Dec 07 j 15:56	5°♌24'54	0°37'43
minimum elong	-1205 Nov 22 j 01:47	19°♌25'40	5°19'08	minimum elong	-1197 Dec 07 j 15:58	5°♌24'55	0°37'41
max. Earth dist.	-1205 Nov 23 j 20:22	19°♌29'32	32.73683 AU	max. Earth dist.	-1197 Dec 10 j 04:11	5°♌30'02	34.46892 AU
retrograde	-1204 Mar 04 j 17:22	21°♌48'35		retrograde	-1196 Mar 20 j 06:59	7°♌38'47	
min. Earth dist.	-1204 May 21 j 23:58	20°♌32'30	30.84086 AU	min. Earth dist.	-1196 Jun 06 j 23:37	6°♌26'17	32.58633 AU
opposition	-1204 May 23 j 21:10	20°♌29'37	5°20'45	opposition	-1196 Jun 09 j 12:14	6°♌22'34	0°21'55
direct	-1204 Aug 12 j 04:10	19°♌10'32		direct	-1196 Aug 28 j 23:19	5°♌06'55	
conjunction	-1204 Nov 23 j 08:50	21°♌31'38	4°43'21	conjunction	-1196 Dec 08 j 17:59	7°♌17'44	0°04'01
minimum elong	-1204 Nov 23 j 09:01	21°♌31'39	4°43'21	minimum elong	-1196 Dec 08 j 18:00	7°♌17'44	0°04'01
max. Earth dist.	-1204 Nov 25 j 06:54	21°♌35'48	32.93197 AU	behind sun begin	-1196 Dec 08 j 11:43	7°♌17'14	
retrograde	-1203 Mar 06 j 23:04	23°♌53'23		behind sun end	-1196 Dec 09 j 00:17	7°♌18'14	
min. Earth dist.	-1203 May 24 j 09:12	22°♌37'40	31.03740 AU	max. Earth dist.	-1196 Dec 11 j 06:41	7°♌22'52	34.70626 AU
opposition	-1203 May 26 j 07:45	22°♌34'42	4°42'31	desc. node	-1195 Jan 21 j 00:17	8°♌39'13	
direct	-1203 Aug 14 j 14:36	21°♌16'00		retrograde	-1195 Mar 22 j 08:49	9°♌30'33	
conjunction	-1203 Nov 25 j 15:09	23°♌35'44	4°07'36	min. Earth dist.	-1195 Jun 09 j 02:01	8°♌18'31	32.82482 AU
minimum elong	-1203 Nov 25 j 15:19	23°♌35'45	4°07'34	opposition	-1195 Jun 11 j 17:03	8°♌14'41	0°-13'-39
max. Earth dist.	-1203 Nov 27 j 14:53	23°♌40'00	33.13367 AU	direct	-1195 Aug 31 j 04:00	6°♌59'27	
retrograde	-1202 Mar 09 j 05:53	25°♌56'17		conjunction	-1195 Dec 10 j 19:26	9°♌09'03	0°-29'-21
min. Earth dist.	-1202 May 26 j 15:24	24°♌41'05	31.24075 AU	minimum elong	-1195 Dec 10 j 19:25	9°♌09'03	0°29'23
opposition	-1202 May 28 j 17:25	24°♌37'55	4°04'25	max. Earth dist.	-1195 Dec 13 j 09:58	9°♌14'18	34.94569 AU
direct	-1202 Aug 17 j 00:00	23°♌19'37		retrograde	-1194 Mar 24 j 10:27	11°♌20'49	
conjunction	-1202 Nov 27 j 20:56	25°♌38'00	3°31'58	min. Earth dist.	-1194 Jun 11 j 06:04	10°♌09'06	33.06540 AU
minimum elong	-1202 Nov 27 j 21:05	25°♌38'00	3°31'58	opposition	-1194 Jun 13 j 21:22	10°♌05'17	0°-48'-43
max. Earth dist.	-1202 Nov 29 j 23:17	25°♌42'28	33.34191 AU	direct	-1194 Sep 02 j 07:12	8°♌50'26	
retrograde	-1201 Mar 11 j 12:05	27°♌57'24		conjunction	-1194 Dec 12 j 20:28	10°♌58'50	-1°-2'-9
min. Earth dist.	-1201 May 28 j 22:46	26°♌42'36	31.45104 AU	minimum elong	-1194 Dec 12 j 20:26	10°♌58'50	1°02'10
opposition	-1201 May 31 j 02:19	26°♌39'21	3°26'30	max. Earth dist.	-1194 Dec 15 j 11:46	11°♌04'07	35.18688 AU
direct	-1201 Aug 19 j 08:52	25°♌21'29		retrograde	-1193 Mar 26 j 11:50	13°♌09'32	
conjunction	-1201 Nov 30 j 02:03	27°♌38'32	2°56'32	min. Earth dist.	-1193 Jun 13 j 07:43	11°♌58'12	33.30760 AU
minimum elong	-1201 Nov 30 j 02:10	27°♌38'33	2°56'31	opposition	-1193 Jun 16 j 00:40	11°♌54'18	-1°-23'-13
max. Earth dist.	-1201 Dec 02 j 06:38	27°♌43'10	33.55678 AU	direct	-1193 Sep 04 j 10:10	10°♌39'48	
retrograde	-1200 Mar 12 j 18:14	29°♌56'47		conjunction	-1193 Dec 14 j 20:45	12°♌47'02	-1°-34'-26
min. Earth dist.	-1200 May 30 j 04:11	28°♌42'29	31.66771 AU	minimum elong	-1193 Dec 14 j 20:41	12°♌47'02	1°34'29
opposition	-1200 Jun 01 j 10:23	28°♌39'06	2°48'51	max. Earth dist.	-1193 Dec 17 j 12:50	12°♌52'20	35.42941 AU
direct	-1200 Aug 20 j 18:25	27°♌21'40		retrograde	-1192 Mar 27 j 13:00	14°♌56'40	
conjunction	-1200 Dec 01 j 06:18	29°♌37'26	2°21'20	min. Earth dist.	-1192 Jun 14 j 09:45	13°♌45'39	33.55157 AU
minimum elong	-1200 Dec 01 j 06:24	29°♌37'27	2°21'20	opposition	-1192 Jun 17 j 03:33	13°♌41'44	-1°-57'-8
max. Earth dist.	-1200 Dec 03 j 12:35	29°♌42'10	33.77753 AU	direct	-1192 Sep 05 j 13:02	12°♌27'34	
retrograde	-1200 Dec 12 j 01:52	0°♌		conjunction	-1192 Dec 15 j 20:25	14°♌33'38	-2°-6'-12
min. Earth dist.	-1199 Mar 14 j 23:56	1°♌54'35		minimum elong	-1192 Dec 15 j 20:21	14°♌33'38	2°06'14
opposition	-1199 Jun 01 j 09:34	0°♌40'45	31.89043 AU	max. Earth dist.	-1192 Dec 18 j 14:24	14°♌39'02	35.67366 AU
direct	-1199 Jun 03 j 17:56	0°♌37'15	2°11'31	retrograde	-1191 Mar 29 j 12:09	16°♌42'12	
conjunction	-1199 Jun 29 j 18:14	30°♌		min. Earth dist.	-1191 Jun 16 j 10:55	15°♌31'31	33.79743 AU
minimum elong	-1199 Aug 23 j 01:12	29°♌20'16		opposition	-1191 Jun 19 j 05:42	15°♌27'32	-2°-30'-26
max. Earth dist.	-1199 Oct 13 j 18:55	0°♌		direct	-1191 Sep 07 j 17:33	14°♌13'43	
conjunction	-1199 Dec 03 j 10:10	1°♌34'46	1°46'26	conjunction	-1191 Dec 17 j 19:25	16°♌18'38	-2°-37'-24
minimum elong	-1199 Dec 03 j 10:14	1°♌34'47	1°46'25	minimum elong	-1191 Dec 17 j 19:20	16°♌18'38	2°37'27
max. Earth dist.	-1199 Dec 05 j 19:10	1°♌39'42	34.00375 AU	max. Earth dist.	-1191 Dec 20 j 13:43	16°♌24'01	35.91992 AU

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Attention, astronomical year style is used: The year -1190 in astronomical counting style is the year 1191 BCE in historical counting style.

retrograde	-1190 Mar 31 j 12:19	18° \mathring{A} 26'11		opposition	-1182 Jul 04 j 22:47	0° \mathring{C} 19'04	-7°00'-28
min. Earth dist.	-1190 Jun 18 j 10:26	17° \mathring{A} 15'51	34.04588 AU		-1182 Jul 19 j 02:03	30° \mathring{R} \mathring{A}	
opposition	-1190 Jun 21 j 07:12	17° \mathring{A} 11'47	-3°-3'-7	direct	-1182 Sep 23 j 14:05	29° \mathring{A} 08'25	
direct	-1190 Sep 09 j 19:12	15° \mathring{A} 58'18			-1182 Nov 25 j 03:55	0° \mathring{C}	
conjunction	-1190 Dec 19 j 18:00	18° \mathring{A} 02'06	-3°-8'-2	conjunction	-1181 Jan 01 j 13:16	1° \mathring{C} 04'29	-6°-51'-1
minimum elong	-1190 Dec 19 j 17:54	18° \mathring{A} 02'06	3°08'04	minimum elong	-1181 Jan 01 j 13:05	1° \mathring{C} 04'29	6°51'03
max. Earth dist.	-1190 Dec 22 j 14:34	18° \mathring{A} 07'38	36.16866 AU	max. Earth dist.	-1181 Jan 04 j 15:03	1° \mathring{C} 10'07	38.21310 AU
retrograde	-1189 Apr 02 j 08:04	20° \mathring{A} 08'39		retrograde	-1181 Apr 15 j 02:44	3° \mathring{C} 04'00	
min. Earth dist.	-1189 Jun 20 j 11:06	18° \mathring{A} 58'37	34.29690 AU	min. Earth dist.	-1181 Jul 03 j 16:01	1° \mathring{C} 56'40	36.35568 AU
opposition	-1189 Jun 23 j 08:07	18° \mathring{A} 54'33	-3°-35'-9	opposition	-1181 Jul 06 j 19:24	1° \mathring{C} 52'24	-7°-27'-5
direct	-1189 Sep 11 j 22:02	17° \mathring{A} 41'24		direct	-1181 Sep 25 j 11:26	0° \mathring{C} 42'04	
conjunction	-1189 Dec 21 j 15:59	19° \mathring{A} 44'08	-3°-38'-5	conjunction	-1180 Jan 03 j 07:46	2° \mathring{C} 37'15	-7°-16'-5
minimum elong	-1189 Dec 21 j 15:52	19° \mathring{A} 44'07	3°38'07	minimum elong	-1180 Jan 03 j 07:33	2° \mathring{C} 37'14	7°16'07
max. Earth dist.	-1189 Dec 24 j 12:47	19° \mathring{A} 49'39	36.41993 AU	max. Earth dist.	-1180 Jan 06 j 10:10	2° \mathring{C} 42'53	38.46686 AU
retrograde	-1188 Apr 03 j 05:06	21° \mathring{A} 49'42		retrograde	-1180 Apr 15 j 21:29	4° \mathring{C} 35'57	
min. Earth dist.	-1188 Jun 21 j 08:58	20° \mathring{A} 40'05	34.55054 AU	min. Earth dist.	-1180 Jul 04 j 12:51	3° \mathring{C} 28'49	36.61077 AU
opposition	-1188 Jun 24 j 08:13	20° \mathring{A} 35'54	-4°-6'-32	opposition	-1180 Jul 07 j 15:37	3° \mathring{C} 24'36	-7°-53'-1
direct	-1188 Sep 12 j 22:59	19° \mathring{A} 23'07		direct	-1180 Sep 26 j 07:04	2° \mathring{C} 14'33	
conjunction	-1188 Dec 22 j 13:29	21° \mathring{A} 24'49	-4°-7'-31	conjunction	-1179 Jan 04 j 01:53	4° \mathring{C} 08'51	-7°-40'-32
minimum elong	-1188 Dec 22 j 13:21	21° \mathring{A} 24'48	4°07'32	minimum elong	-1179 Jan 04 j 01:42	4° \mathring{C} 08'50	7°40'34
max. Earth dist.	-1188 Dec 25 j 12:08	21° \mathring{A} 30'25	36.67351 AU	max. Earth dist.	-1179 Jan 07 j 04:48	4° \mathring{C} 14'29	38.71947 AU
retrograde	-1187 Apr 05 j 02:35	23° \mathring{A} 29'27		retrograde	-1179 Apr 17 j 15:45	6° \mathring{C} 06'44	
min. Earth dist.	-1187 Jun 23 j 08:34	22° \mathring{A} 20'09	34.80654 AU	min. Earth dist.	-1179 Jul 06 j 07:44	4° \mathring{C} 59'53	36.86481 AU
opposition	-1187 Jun 26 j 08:04	22° \mathring{A} 15'58	-4°-37'-14	opposition	-1179 Jul 09 j 11:16	4° \mathring{C} 55'39	-8°-18'-16
direct	-1187 Sep 14 j 22:01	21° \mathring{A} 03'33		direct	-1179 Sep 28 j 03:02	3° \mathring{C} 45'52	
conjunction	-1187 Dec 24 j 10:27	23° \mathring{A} 04'14	-4°-36'-19	conjunction	-1178 Jan 05 j 19:20	5° \mathring{C} 39'19	-8°-4'-20
minimum elong	-1187 Dec 24 j 10:18	23° \mathring{A} 04'13	4°36'21	minimum elong	-1178 Jan 05 j 19:07	5° \mathring{C} 39'18	8°04'23
max. Earth dist.	-1187 Dec 27 j 09:59	23° \mathring{A} 09'52	36.92916 AU	max. Earth dist.	-1178 Jan 08 j 22:05	5° \mathring{C} 44'53	38.97119 AU
retrograde	-1186 Apr 06 j 23:55	25° \mathring{A} 07'58		retrograde	-1178 Apr 19 j 12:02	7° \mathring{C} 36'24	
min. Earth dist.	-1186 Jun 25 j 06:08	23° \mathring{A} 59'03	35.06425 AU	min. Earth dist.	-1178 Jul 08 j 02:27	6° \mathring{C} 29'47	37.11851 AU
opposition	-1186 Jun 28 j 07:11	23° \mathring{A} 54'49	-5°-7'-15	opposition	-1178 Jul 11 j 06:31	6° \mathring{C} 25'33	-8°-42'-51
direct	-1186 Sep 16 j 21:12	22° \mathring{A} 42'46		direct	-1178 Sep 29 j 20:04	5° \mathring{C} 16'02	
conjunction	-1186 Dec 26 j 06:59	24° \mathring{A} 42'28	-5°-4'-31	conjunction	-1177 Jan 07 j 12:39	7° \mathring{C} 08'39	-8°-27'-31
minimum elong	-1186 Dec 26 j 06:50	24° \mathring{A} 42'28	5°04'32	minimum elong	-1177 Jan 07 j 12:27	7° \mathring{C} 08'38	8°27'33
max. Earth dist.	-1186 Dec 29 j 07:02	24° \mathring{A} 48'07	37.18603 AU	max. Earth dist.	-1177 Jan 10 j 16:51	7° \mathring{C} 14'17	39.22271 AU
retrograde	-1185 Apr 08 j 22:44	26° \mathring{A} 45'20		retrograde	-1177 Apr 21 j 04:26	9° \mathring{C} 04'57	
min. Earth dist.	-1185 Jun 27 j 04:10	25° \mathring{A} 36'45	35.32319 AU	min. Earth dist.	-1177 Jul 09 j 21:16	7° \mathring{C} 58'33	37.37207 AU
opposition	-1185 Jun 30 j 05:45	25° \mathring{A} 32'31	-5°-36'-34	opposition	-1177 Jul 13 j 01:04	7° \mathring{C} 54'21	-9°-6'-44
direct	-1185 Sep 18 j 18:13	24° \mathring{A} 20'50		direct	-1177 Oct 01 j 15:40	6° \mathring{C} 45'06	
conjunction	-1185 Dec 28 j 03:15	26° \mathring{A} 19'36	-5°-32'-5	conjunction	-1176 Jan 09 j 05:23	8° \mathring{C} 36'55	-8°-50'-3
minimum elong	-1185 Dec 28 j 03:05	26° \mathring{A} 19'35	5°32'07	minimum elong	-1176 Jan 09 j 05:11	8° \mathring{C} 36'54	8°50'05
max. Earth dist.	-1185 Dec 31 j 04:43	26° \mathring{A} 25'19	37.44362 AU	max. Earth dist.	-1176 Jan 12 j 09:05	8° \mathring{C} 42'30	39.47429 AU
retrograde	-1184 Apr 09 j 18:54	28° \mathring{A} 21'36		retrograde	-1176 Apr 21 j 20:08	10° \mathring{C} 32'28	
min. Earth dist.	-1184 Jun 28 j 02:08	27° \mathring{A} 13'20	35.58238 AU	min. Earth dist.	-1176 Jul 10 j 14:00	9° \mathring{C} 26'24	37.62586 AU
opposition	-1184 Jul 01 j 03:52	27° \mathring{A} 09'06	-6°-5'-13	opposition	-1176 Jul 13 j 19:18	9° \mathring{C} 22'07	-9°-29'-56
direct	-1184 Sep 19 j 17:19	25° \mathring{A} 57'47		direct	-1176 Oct 02 j 10:43	8° \mathring{C} 13'10	
conjunction	-1184 Dec 28 j 22:49	27° \mathring{A} 55'39	-5°-59'-1	conjunction	-1175 Jan 09 j 21:41	10° \mathring{C} 04'12	-9°-11'-57
minimum elong	-1184 Dec 28 j 22:39	27° \mathring{A} 55'38	5°59'03	minimum elong	-1175 Jan 09 j 21:29	10° \mathring{C} 04'11	9°12'00
max. Earth dist.	-1184 Dec 31 j 23:54	28° \mathring{A} 01'17	37.70104 AU	max. Earth dist.	-1175 Jan 13 j 02:52	10° \mathring{C} 09'51	39.72597 AU
retrograde	-1183 Apr 11 j 15:40	29° \mathring{A} 56'48		retrograde	-1175 Apr 23 j 10:09	11° \mathring{C} 59'02	
min. Earth dist.	-1183 Jun 29 j 22:34	28° \mathring{A} 48'54	35.84130 AU	min. Earth dist.	-1175 Jul 12 j 08:31	10° \mathring{C} 53'11	37.87972 AU
opposition	-1183 Jul 03 j 01:34	28° \mathring{A} 44'38	-6°-33'-11	opposition	-1175 Jul 15 j 13:16	10° \mathring{C} 48'56	-9°-52'-27
direct	-1183 Sep 21 j 14:21	27° \mathring{A} 33'39		direct	-1175 Oct 04 j 06:58	9° \mathring{C} 40'17	
conjunction	-1183 Dec 30 j 18:17	29° \mathring{A} 30'37	-6°-25'-20	conjunction	-1174 Jan 11 j 13:48	11° \mathring{C} 30'34	-9°-33'-14
minimum elong	-1183 Dec 30 j 18:05	29° \mathring{A} 30'36	6°25'22	minimum elong	-1174 Jan 11 j 13:35	11° \mathring{C} 30'33	9°33'15
max. Earth dist.	-1182 Jan 02 j 20:43	29° \mathring{A} 36'19	37.95769 AU	max. Earth dist.	-1174 Jan 14 j 18:52	11° \mathring{C} 36'10	39.97770 AU
	-1182 Jan 15 j 21:21	0° \mathring{C}		retrograde	-1174 Apr 25 j 01:46	13° \mathring{C} 24'42	
retrograde	-1182 Apr 13 j 08:20	1° \mathring{C} 30'57		min. Earth dist.	-1174 Jul 14 j 00:41	12° \mathring{C} 19'09	38.13335 AU
min. Earth dist.	-1182 Jul 01 j 20:34	0° \mathring{C} 23'17	36.09920 AU	opposition	-1174 Jul 17 j 06:35	12° \mathring{C} 14'52	-10°-14'-17

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Attention, astronomical year style is used: The year -1174 in astronomical counting style is the year 1175 BCE in historical counting style.

direct	-1174 Oct 06 j 00:52	11°☾06'30			minimum elong	-1165 Jan 24 j 01:06	23°☾50'50	12°18'12
					max. Earth dist.	-1165 Jan 27 j 06:01	23°☾56'08	42.15831 AU
conjunction	-1173 Jan 13 j 05:29	12°☾56'03	-9°-53'-53		retrograde	-1165 May 07 j 15:26	25°☾39'13	
minimum elong	-1173 Jan 13 j 05:17	12°☾56'02	9°53'55		min. Earth dist.	-1165 Jul 27 j 00:18	24°☾35'29	40.32285 AU
max. Earth dist.	-1173 Jan 16 j 10:49	13°☾01'39	40.22885 AU		opposition	-1165 Jul 30 j 03:19	24°☾31'30	-13°-2'-52
retrograde	-1173 Apr 26 j 19:04	14°☾49'31			direct	-1165 Oct 18 j 20:40	23°☾25'21	
min. Earth dist.	-1173 Jul 15 j 18:13	13°☾44'13	38.38630 AU		conjunction	-1164 Jan 25 j 14:17	25°☾09'00	-12°-33'-41
opposition	-1173 Jul 18 j 23:43	13°☾39'58	-10°-35'-28		minimum elong	-1164 Jan 25 j 14:06	25°☾08'59	12°33'43
direct	-1173 Oct 07 j 16:34	12°☾31'53			max. Earth dist.	-1164 Jan 28 j 17:57	25°☾14'11	42.38844 AU
conjunction	-1172 Jan 14 j 20:59	14°☾20'44	-10°-13'-55		retrograde	-1164 May 08 j 05:05	26°☾56'47	
minimum elong	-1172 Jan 14 j 20:46	14°☾20'43	10°13'57		min. Earth dist.	-1164 Jul 27 j 13:12	25°☾53'19	40.55431 AU
max. Earth dist.	-1172 Jan 18 j 03:04	14°☾26'21	40.47900 AU		opposition	-1164 Jul 30 j 17:09	25°☾49'18	-13°-18'-38
retrograde	-1172 Apr 27 j 11:30	16°☾13'32			direct	-1164 Oct 19 j 09:47	24°☾43'22	
min. Earth dist.	-1172 Jul 16 j 10:51	15°☾08'29	38.63773 AU		conjunction	-1163 Jan 26 j 03:07	26°☾26'27	-12°-48'-40
opposition	-1172 Jul 19 j 16:20	15°☾04'15	-10°-56'-1		minimum elong	-1163 Jan 26 j 02:55	26°☾26'26	12°48'42
direct	-1172 Oct 08 j 08:39	13°☾56'28			max. Earth dist.	-1163 Jan 29 j 07:30	26°☾31'40	42.61711 AU
conjunction	-1171 Jan 15 j 12:06	15°☾44'38	-10°-33'-22		retrograde	-1163 May 09 j 15:24	28°☾13'42	
minimum elong	-1171 Jan 15 j 11:54	15°☾44'37	10°33'24		min. Earth dist.	-1163 Jul 29 j 04:03	27°☾10'22	40.78433 AU
max. Earth dist.	-1171 Jan 18 j 17:13	15°☾50'08	40.72738 AU		opposition	-1163 Aug 01 j 06:50	27°☾06'26	-13°-33'-49
retrograde	-1171 Apr 29 j 05:18	17°☾36'46			direct	-1163 Oct 21 j 01:33	26°☾00'44	
min. Earth dist.	-1171 Jul 18 j 02:52	16°☾31'59	38.88727 AU		conjunction	-1162 Jan 27 j 15:42	27°☾43'15	-13°-3'-5
opposition	-1171 Jul 21 j 08:44	16°☾27'46	-11°-15'-55		minimum elong	-1162 Jan 27 j 15:32	27°☾43'15	13°03'07
direct	-1171 Oct 09 j 22:53	15°☾20'15			max. Earth dist.	-1162 Jan 30 j 19:48	27°☾48'26	42.84445 AU
conjunction	-1170 Jan 17 j 03:04	17°☾07'44	-10°-52'-13		retrograde	-1162 May 11 j 03:10	29°☾29'59	
minimum elong	-1170 Jan 17 j 02:52	17°☾07'44	10°52'15		min. Earth dist.	-1162 Jul 30 j 16:40	28°☾26'55	41.01267 AU
max. Earth dist.	-1170 Jan 20 j 09:00	17°☾13'16	40.97338 AU		opposition	-1162 Aug 02 j 20:04	28°☾22'57	-13°-48'-26
retrograde	-1170 Apr 30 j 18:43	18°☾59'14			direct	-1162 Oct 22 j 16:02	27°☾17'30	
min. Earth dist.	-1170 Jul 19 j 20:16	17°☾54'37	39.13398 AU		conjunction	-1161 Jan 29 j 04:02	28°☾59'30	-13°-16'-59
opposition	-1170 Jul 23 j 00:48	17°☾50'29	-11°-35'-13		minimum elong	-1161 Jan 29 j 03:50	28°☾59'29	13°17'00
direct	-1170 Oct 11 j 16:18	16°☾43'13			max. Earth dist.	-1161 Feb 01 j 07:38	29°☾04'36	43.06987 AU
conjunction	-1169 Jan 18 j 17:51	18°☾30'03	-11°-10'-31			-1161 Mar 09 j 21:45	0°≈	
minimum elong	-1169 Jan 18 j 17:38	18°☾30'02	11°10'33		retrograde	-1161 May 12 j 18:11	0°≈45'43	
max. Earth dist.	-1169 Jan 21 j 22:31	18°☾35'28	41.21639 AU			-1161 Jul 18 j 07:24	30°R☾	
retrograde	-1169 May 02 j 07:34	20°☾20'54			min. Earth dist.	-1161 Aug 01 j 06:19	29°☾42'50	41.23908 AU
min. Earth dist.	-1169 Jul 21 j 11:11	19°☾16'32	39.37748 AU		opposition	-1161 Aug 04 j 09:02	29°☾38'55	-14°-2'-30
opposition	-1169 Jul 24 j 16:16	19°☾12'23	-11°-53'-55		direct	-1161 Oct 24 j 02:43	28°☾33'43	
direct	-1169 Oct 13 j 09:38	18°☾05'22				-1160 Jan 21 j 05:21	0°≈	
conjunction	-1168 Jan 20 j 08:12	19°☾51'32	-11°-28'-16		conjunction	-1160 Jan 30 j 16:14	0°≈15'12	-13°-30'-21
minimum elong	-1168 Jan 20 j 08:00	19°☾51'31	11°28'17		minimum elong	-1160 Jan 30 j 16:05	0°≈15'12	13°30'23
max. Earth dist.	-1168 Jan 23 j 12:56	19°☾56'55	41.45604 AU		max. Earth dist.	-1160 Feb 02 j 20:20	0°≈20'19	43.29319 AU
retrograde	-1168 May 02 j 21:20	21°☾41'45			retrograde	-1160 May 13 j 06:25	2°≈00'56	
min. Earth dist.	-1168 Jul 22 j 03:50	20°☾37'31	39.61772 AU		min. Earth dist.	-1160 Aug 01 j 19:42	0°≈58'14	41.46285 AU
opposition	-1168 Jul 25 j 07:40	20°☾33'26	-12°-12'-2		opposition	-1160 Aug 04 j 21:46	0°≈54'22	-14°-16'-1
direct	-1168 Oct 14 j 01:50	19°☾26'39				-1160 Sep 25 j 02:28	30°R☾	
conjunction	-1167 Jan 20 j 22:11	21°☾12'09	-11°-45'-27		direct	-1160 Oct 24 j 15:30	29°☾49'25	
minimum elong	-1167 Jan 20 j 21:59	21°☾12'08	11°45'29			-1160 Nov 22 j 15:52	0°≈	
max. Earth dist.	-1167 Jan 24 j 02:45	21°☾17'30	41.69265 AU		conjunction	-1159 Jan 31 j 04:00	1°≈30'24	-13°-43'-14
retrograde	-1167 May 04 j 10:51	23°☾01'45			minimum elong	-1159 Jan 31 j 03:50	1°≈30'24	13°43'15
min. Earth dist.	-1167 Jul 23 j 18:36	21°☾57'42	39.85494 AU		max. Earth dist.	-1159 Feb 03 j 06:38	1°≈35'24	43.51365 AU
opposition	-1167 Jul 26 j 22:35	21°☾53'38	-12°-29'-34		retrograde	-1159 May 14 j 20:13	3°≈15'38	
direct	-1167 Oct 15 j 17:17	20°☾47'03			min. Earth dist.	-1159 Aug 03 j 08:14	2°≈13'10	41.68356 AU
conjunction	-1166 Jan 22 j 11:49	22°☾31'55	-12°-2'-5		opposition	-1159 Aug 06 j 10:20	2°≈09'19	-14°-29'-1
minimum elong	-1166 Jan 22 j 11:38	22°☾31'54	12°02'07		direct	-1159 Oct 26 j 01:58	1°≈04'35	
max. Earth dist.	-1166 Jan 25 j 15:35	22°☾37'10	41.92650 AU		conjunction	-1158 Feb 01 j 15:53	2°≈45'06	-13°-55'-37
retrograde	-1166 May 06 j 02:32	24°☾20'53			minimum elong	-1158 Feb 01 j 15:44	2°≈45'05	13°55'39
min. Earth dist.	-1166 Jul 25 j 09:23	23°☾17'00	40.08989 AU		max. Earth dist.	-1158 Feb 04 j 18:55	2°≈50'06	43.73061 AU
opposition	-1166 Jul 28 j 13:07	23°☾12'58	-12°-46'-31		retrograde	-1158 May 16 j 06:51	4°≈29'51	
direct	-1166 Oct 17 j 06:07	22°☾06'36			min. Earth dist.	-1158 Aug 04 j 22:18	3°≈27'29	41.90036 AU
conjunction	-1165 Jan 24 j 01:18	23°☾50'51	-12°-18'-10		opposition	-1158 Aug 07 j 22:33	3°≈23'44	-14°-41'-32
					direct	-1158 Oct 27 j 15:22	2°≈19'13	

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Attention, astronomical year style is used: The year -1157 in astronomical counting style is the year 1158 BCE in historical counting style.

conjunction	-1157 Feb 03 j 03:35	3°59'15	-14°-7'-32			-1149 Apr 26 j 20:23	15°	
minimum elong	-1157 Feb 03 j 03:26	3°59'15	14°07'34	retrograde		-1149 May 27 j 04:15	15°10'21	
max. Earth dist.	-1157 Feb 06 j 05:07	4°04'08	43.94354 AU			-1149 Jun 26 j 19:57	15°R	
retrograde	-1157 May 17 j 16:37	5°43'31		min. Earth dist.		-1149 Aug 16 j 05:49	14°09'08	43.68592 AU
min. Earth dist.	-1157 Aug 06 j 10:05	4°41'21	42.11278 AU	opposition		-1149 Aug 19 j 01:03	14°05'44	-16°-12'-51
opposition	-1157 Aug 09 j 10:32	4°37'36	-14°-53'-34	direct		-1149 Nov 07 j 20:56	13°02'42	
direct	-1157 Oct 29 j 04:39	3°33'17						
conjunction	-1156 Feb 04 j 14:52	5°12'49	-14°-19'-1	conjunction		-1148 Feb 14 j 01:42	14°38'38	-15°-34'-35
minimum elong	-1156 Feb 04 j 14:43	5°12'48	14°19'03	minimum elong		-1148 Feb 14 j 01:35	14°38'37	15°34'37
max. Earth dist.	-1156 Feb 07 j 15:34	5°17'37	44.15189 AU	max. Earth dist.		-1148 Feb 16 j 23:02	14°43'03	45.70128 AU
retrograde	-1156 May 18 j 03:18	6°56'36		retrograde		-1148 Feb 28 j 03:48	15°	
min. Earth dist.	-1156 Aug 06 j 23:34	5°54'31	42.32072 AU	min. Earth dist.		-1148 May 27 j 14:35	16°18'49	
opposition	-1156 Aug 09 j 22:23	5°50'51	-15°-5'-8	opposition		-1148 Aug 16 j 16:56	15°17'43	43.87031 AU
direct	-1156 Oct 29 j 17:56	4°46'42		opposition		-1148 Aug 19 j 10:52	15°14'24	-16°-20'-41
				direct		-1148 Aug 31 j 10:15	15°R	
						-1148 Nov 08 j 05:55	14°11'33	
						-1147 Jan 13 j 03:43	15°	
conjunction	-1155 Feb 05 j 02:07	6°25'44	-14°-30'-3	conjunction		-1147 Feb 14 j 11:14	15°47'07	-15°-42'-3
minimum elong	-1155 Feb 05 j 01:58	6°25'44	14°30'04	minimum elong		-1147 Feb 14 j 11:10	15°47'07	15°42'05
max. Earth dist.	-1155 Feb 08 j 02:38	6°30'30	44.35606 AU	max. Earth dist.		-1147 Feb 17 j 06:59	15°51'25	45.88288 AU
retrograde	-1155 May 19 j 14:52	8°09'01		retrograde		-1147 May 29 j 00:49	17°26'56	
min. Earth dist.	-1155 Aug 08 j 11:33	7°07'03	42.52443 AU	min. Earth dist.		-1147 Aug 18 j 02:23	16°26'01	44.05131 AU
opposition	-1155 Aug 11 j 09:48	7°03'26	-15°-16'-14	opposition		-1147 Aug 20 j 20:27	16°22'42	-16°-28'-6
direct	-1155 Oct 31 j 05:37	5°59'26		direct		-1147 Nov 09 j 14:12	15°20'02	
conjunction	-1154 Feb 06 j 12:55	7°37'59	-14°-40'-37	conjunction		-1146 Feb 15 j 20:42	16°55'15	-15°-49'-7
minimum elong	-1154 Feb 06 j 12:46	7°37'58	14°40'40	minimum elong		-1146 Feb 15 j 20:37	16°55'15	15°49'09
max. Earth dist.	-1154 Feb 09 j 11:53	7°42'37	44.55629 AU	max. Earth dist.		-1146 Feb 18 j 16:00	16°59'31	46.06062 AU
retrograde	-1154 May 21 j 04:03	9°20'46		retrograde		-1146 May 30 j 07:54	18°34'43	
min. Earth dist.	-1154 Aug 09 j 23:05	8°18'55	42.72462 AU	min. Earth dist.		-1146 Aug 19 j 13:59	17°33'52	44.22812 AU
opposition	-1154 Aug 12 j 21:01	8°15'20	-15°-26'-51	opposition		-1146 Aug 22 j 05:59	17°30'40	-16°-35'-6
direct	-1154 Nov 01 j 14:29	7°11'29		direct		-1146 Nov 11 j 02:05	16°28'10	
conjunction	-1153 Feb 07 j 23:39	8°49'32	-14°-50'-45	conjunction		-1145 Feb 17 j 06:11	18°03'02	-15°-55'-48
minimum elong	-1153 Feb 07 j 23:32	8°49'32	14°50'46	minimum elong		-1145 Feb 17 j 06:08	18°03'02	15°55'50
max. Earth dist.	-1153 Feb 10 j 23:04	8°54'11	44.75324 AU	max. Earth dist.		-1145 Feb 20 j 00:33	18°07'13	46.23403 AU
retrograde	-1153 May 22 j 13:13	10°31'50		retrograde		-1145 May 31 j 15:43	19°42'08	
min. Earth dist.	-1153 Aug 11 j 11:14	9°30'04	42.92169 AU	min. Earth dist.		-1145 Aug 20 j 23:31	18°41'27	44.40017 AU
opposition	-1153 Aug 14 j 07:47	9°26'33	-15°-37'00	opposition		-1145 Aug 23 j 15:05	18°38'15	-16°-41'-43
direct	-1153 Nov 03 j 02:20	8°22'51		direct		-1145 Nov 12 j 13:14	17°35'55	
conjunction	-1152 Feb 09 j 10:04	10°00'27	-15°00'-25	conjunction		-1144 Feb 18 j 15:19	19°10'27	-16°-2'-8
minimum elong	-1152 Feb 09 j 09:57	10°00'26	15°00'27	minimum elong		-1144 Feb 18 j 15:15	19°10'26	16°02'09
max. Earth dist.	-1152 Feb 12 j 08:16	10°04'59	44.94756 AU	max. Earth dist.		-1144 Feb 21 j 07:53	19°14'30	46.40259 AU
retrograde	-1152 May 22 j 21:53	11°42'16		retrograde		-1144 Jun 01 j 03:00	20°49'11	
min. Earth dist.	-1152 Aug 11 j 21:20	10°40'40	43.11628 AU	min. Earth dist.		-1144 Aug 21 j 09:57	19°48'34	44.56747 AU
opposition	-1152 Aug 14 j 18:24	10°37'08	-15°-46'-40	opposition		-1144 Aug 24 j 00:16	19°45'27	-16°-47'-58
direct	-1152 Nov 03 j 13:55	9°33'35		direct		-1144 Nov 12 j 20:48	18°43'15	
conjunction	-1151 Feb 09 j 20:07	11°10'44	-15°-9'-37	conjunction		-1143 Feb 19 j 00:18	20°17'25	-16°-8'-5
minimum elong	-1151 Feb 09 j 20:01	11°10'44	15°09'38	minimum elong		-1143 Feb 19 j 00:15	20°17'25	16°08'07
max. Earth dist.	-1151 Feb 12 j 18:20	11°15'16	45.13945 AU	max. Earth dist.		-1143 Feb 21 j 16:52	20°21'27	46.56652 AU
retrograde	-1151 May 24 j 06:47	12°52'08		retrograde		-1143 Jun 02 j 11:58	21°55'47	
min. Earth dist.	-1151 Aug 13 j 09:11	11°50'37	43.30857 AU	min. Earth dist.		-1143 Aug 22 j 20:13	20°55'13	44.73005 AU
opposition	-1151 Aug 16 j 04:57	11°47'09	-15°-55'-52	opposition		-1143 Aug 25 j 09:10	20°52'11	-16°-53'-50
direct	-1151 Nov 05 j 01:38	10°43'46		direct		-1143 Nov 14 j 06:00	19°50'07	
conjunction	-1150 Feb 11 j 06:15	12°20'30	-15°-18'-23	conjunction		-1142 Feb 20 j 09:07	21°23'55	-16°-13'-41
minimum elong	-1150 Feb 11 j 06:09	12°20'29	15°18'24	minimum elong		-1142 Feb 20 j 09:04	21°23'55	16°13'42
max. Earth dist.	-1150 Feb 14 j 04:20	12°25'00	45.32923 AU	max. Earth dist.		-1142 Feb 22 j 23:45	21°27'49	46.72613 AU
retrograde	-1150 May 25 j 15:45	14°01'28		retrograde		-1142 Jun 03 j 21:28	23°01'54	
min. Earth dist.	-1150 Aug 14 j 19:13	13°00'07	43.49847 AU	min. Earth dist.		-1142 Aug 24 j 04:54	22°01'28	44.88866 AU
opposition	-1150 Aug 17 j 14:59	12°56'40	-16°-4'-35	opposition		-1142 Aug 26 j 17:41	21°58'27	-16°-59'-19
direct	-1150 Nov 06 j 13:01	11°53'27		direct		-1142 Nov 15 j 12:54	20°56'29	
conjunction	-1149 Feb 12 j 16:03	13°29'46	-15°-26'-42	conjunction		-1141 Feb 21 j 17:46	22°29'57	-16°-18'-55
minimum elong	-1149 Feb 12 j 15:58	13°29'46	15°26'43					
max. Earth dist.	-1149 Feb 15 j 12:49	13°34'10	45.51659 AU					

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Attention, astronomical year style is used: The year -1141 in astronomical counting style is the year 1142 BCE in historical counting style.

minimum elong	-1141 Feb 21 j 17:44	22°≈29'57	16°18'57	conjunction	-1133 Mar 02 j 09:57	1°≈04'45	-16°-47'-27
max. Earth dist.	-1141 Feb 24 j 08:20	22°≈33'50	46.88197 AU	minimum elong	-1133 Mar 02 j 09:57	1°≈04'45	16°47'28
retrograde	-1141 Jun 05 j 04:24	24°≈07'35		max. Earth dist.	-1133 Mar 04 j 18:19	1°≈08'09	48.02337 AU
min. Earth dist.	-1141 Aug 25 j 15:13	23°≈07'09	45.04376 AU	retrograde	-1133 Jun 13 j 16:51	2°≈39'56	
opposition	-1141 Aug 28 j 02:11	23°≈04'14	-17°-4'-25	min. Earth dist.	-1133 Sep 03 j 11:28	1°≈40'16	46.17623 AU
direct	-1141 Nov 16 j 22:14	22°≈02'24		opposition	-1133 Sep 05 j 15:50	1°≈37'43	-17°-31'-35
				direct	-1133 Nov 25 j 16:07	0°≈36'55	
conjunction	-1140 Feb 23 j 02:08	23°≈35'31	-16°-23'-46				
minimum elong	-1140 Feb 23 j 02:06	23°≈35'31	16°23'47	conjunction	-1132 Mar 02 j 17:26	2°≈07'47	-16°-49'-31
max. Earth dist.	-1140 Feb 25 j 15:57	23°≈39'21	47.03476 AU	minimum elong	-1132 Mar 02 j 17:28	2°≈07'47	16°49'33
retrograde	-1140 Jun 05 j 09:53	25°≈12'48		max. Earth dist.	-1132 Mar 04 j 23:29	2°≈11'02	48.14851 AU
min. Earth dist.	-1140 Aug 25 j 23:05	24°≈12'31	45.19589 AU	retrograde	-1132 Jun 14 j 03:00	3°≈42'41	
opposition	-1140 Aug 28 j 10:23	24°≈09'35	-17°-9'-7	min. Earth dist.	-1132 Sep 03 j 19:29	2°≈43'05	46.29914 AU
direct	-1140 Nov 17 j 08:58	23°≈07'52		opposition	-1132 Sep 05 j 23:04	2°≈40'35	-17°-33'-28
				direct	-1132 Nov 25 j 20:53	1°≈39'53	
conjunction	-1139 Feb 23 j 10:20	24°≈40'40	-16°-28'-14				
minimum elong	-1139 Feb 23 j 10:18	24°≈40'39	16°28'16	conjunction	-1131 Mar 04 j 01:00	3°≈10'29	-16°-51'-17
max. Earth dist.	-1139 Feb 25 j 23:00	24°≈44'24	47.18476 AU	minimum elong	-1131 Mar 04 j 01:01	3°≈10'29	16°51'19
retrograde	-1139 Jun 06 j 18:38	26°≈17'37		max. Earth dist.	-1131 Mar 06 j 06:37	3°≈13'42	48.26848 AU
min. Earth dist.	-1139 Aug 27 j 08:22	25°≈17'24	45.34548 AU	retrograde	-1131 Jun 15 j 10:36	4°≈45'06	
opposition	-1139 Aug 29 j 18:30	25°≈14'31	-17°-13'-26	min. Earth dist.	-1131 Sep 05 j 04:39	3°≈45'29	46.41693 AU
direct	-1139 Nov 18 j 17:43	24°≈12'56		opposition	-1131 Sep 07 j 06:06	3°≈43'05	-17°-35'-3
				direct	-1131 Nov 27 j 03:34	2°≈42'28	
conjunction	-1138 Feb 24 j 18:35	25°≈45'25	-16°-32'-19				
minimum elong	-1138 Feb 24 j 18:34	25°≈45'25	16°32'20	conjunction	-1130 Mar 05 j 08:26	4°≈12'49	-16°-52'-46
max. Earth dist.	-1138 Feb 27 j 07:38	25°≈49'10	47.33235 AU	minimum elong	-1130 Mar 05 j 08:29	4°≈12'49	16°52'48
retrograde	-1138 Jun 08 j 04:01	27°≈22'03		max. Earth dist.	-1130 Mar 07 j 12:33	4°≈15'56	48.38376 AU
min. Earth dist.	-1138 Aug 28 j 17:03	26°≈21'56	45.49236 AU	retrograde	-1130 Jun 16 j 15:41	5°≈47'08	
opposition	-1138 Aug 31 j 02:24	26°≈19'06	-17°-17'-22	min. Earth dist.	-1130 Sep 06 j 11:33	4°≈47'36	46.53014 AU
direct	-1138 Nov 20 j 00:56	25°≈17'39		opposition	-1130 Sep 08 j 12:52	4°≈45'12	-17°-36'-19
				direct	-1130 Nov 28 j 11:29	3°≈44'40	
conjunction	-1137 Feb 26 j 02:34	26°≈49'51	-16°-36'-2				
minimum elong	-1137 Feb 26 j 02:33	26°≈49'51	16°36'04	conjunction	-1129 Mar 06 j 15:35	5°≈14'45	-16°-53'-56
max. Earth dist.	-1137 Feb 28 j 13:53	26°≈53'28	47.47730 AU	minimum elong	-1129 Mar 06 j 15:38	5°≈14'46	16°53'57
retrograde	-1137 Jun 09 j 14:38	28°≈26'10		max. Earth dist.	-1129 Mar 08 j 18:16	5°≈17'47	48.49463 AU
min. Earth dist.	-1137 Aug 30 j 00:45	27°≈26'11	45.63657 AU	retrograde	-1129 Jun 17 j 21:11	6°≈48'49	
opposition	-1137 Sep 01 j 10:04	27°≈23'22	-17°-20'-54	min. Earth dist.	-1129 Sep 07 j 19:59	5°≈49'17	46.63938 AU
direct	-1137 Nov 21 j 05:51	26°≈22'03		opposition	-1129 Sep 09 j 19:33	5°≈46'58	-17°-37'-16
				direct	-1129 Nov 29 j 20:13	4°≈46'31	
conjunction	-1136 Feb 27 j 10:29	27°≈53'58	-16°-39'-24				
minimum elong	-1136 Feb 27 j 10:29	27°≈53'58	16°39'25	conjunction	-1128 Mar 06 j 22:45	6°≈16'22	-16°-54'-47
max. Earth dist.	-1136 Feb 29 j 21:49	27°≈57'35	47.61940 AU	minimum elong	-1128 Mar 06 j 22:48	6°≈16'22	16°54'49
retrograde	-1136 Jun 09 j 20:49	29°≈29'59		max. Earth dist.	-1128 Mar 09 j 01:29	6°≈19'23	48.60196 AU
min. Earth dist.	-1136 Aug 30 j 10:14	28°≈30'04	45.77765 AU	retrograde	-1128 Jun 18 j 03:41	7°≈50'09	
opposition	-1136 Sep 01 j 17:46	28°≈27'20	-17°-24'-5	min. Earth dist.	-1128 Sep 08 j 03:08	6°≈50'41	46.74512 AU
direct	-1136 Nov 21 j 14:09	27°≈26'10		opposition	-1128 Sep 10 j 02:03	6°≈48'25	-17°-37'-54
				direct	-1128 Nov 30 j 03:58	5°≈48'02	
conjunction	-1135 Feb 27 j 18:16	28°≈57'49	-16°-42'-24				
minimum elong	-1135 Feb 27 j 18:16	28°≈57'49	16°42'26	conjunction	-1127 Mar 08 j 05:34	7°≈17'39	-16°-55'-20
max. Earth dist.	-1135 Mar 02 j 04:35	29°≈01'22	47.75831 AU	minimum elong	-1127 Mar 08 j 05:37	7°≈17'40	16°55'20
	-1135 Apr 15 j 04:35	0°≈		max. Earth dist.	-1127 Mar 10 j 06:24	7°≈20'33	48.70609 AU
retrograde	-1135 Jun 11 j 01:59	0°≈33'33		retrograde	-1127 Jun 19 j 13:20	8°≈51'13	
	-1135 Aug 08 j 10:37	30°≈		min. Earth dist.	-1127 Sep 09 j 09:58	7°≈51'49	46.84786 AU
min. Earth dist.	-1135 Aug 31 j 17:51	29°≈33'46	45.91507 AU	opposition	-1127 Sep 11 j 08:31	7°≈49'34	-17°-38'-11
opposition	-1135 Sep 03 j 01:13	29°≈31'03	-17°-26'-55	direct	-1127 Dec 01 j 07:46	6°≈49'17	
direct	-1135 Nov 22 j 23:33	28°≈30'01					
	-1134 Feb 28 j 02:44	0°≈		conjunction	-1126 Mar 09 j 12:32	8°≈18'42	-16°-55'-33
conjunction	-1134 Mar 01 j 02:04	0°≈01'25	-16°-45'-5	minimum elong	-1126 Mar 09 j 12:35	8°≈18'42	16°55'34
minimum elong	-1134 Mar 01 j 02:06	0°≈01'25	16°45'06	max. Earth dist.	-1126 Mar 11 j 13:21	8°≈21'35	48.80723 AU
max. Earth dist.	-1134 Mar 03 j 10:54	0°≈04'52	47.89312 AU	retrograde	-1126 Jun 20 j 19:43	9°≈52'01	
retrograde	-1134 Jun 12 j 09:46	1°≈36'53		min. Earth dist.	-1126 Sep 10 j 17:55	8°≈52'40	46.94755 AU
min. Earth dist.	-1134 Sep 02 j 03:02	0°≈37'09	46.04818 AU	opposition	-1126 Sep 12 j 14:45	8°≈50'30	-17°-38'-10
opposition	-1134 Sep 04 j 08:34	0°≈34'31	-17°-29'-24	direct	-1126 Dec 02 j 13:45	7°≈50'19	
	-1134 Oct 05 j 12:55	30°≈					
direct	-1134 Nov 24 j 07:42	29°≈33'37		conjunction	-1125 Mar 10 j 19:21	9°≈19'32	-16°-55'-27
	-1133 Jan 11 j 21:27	0°≈		minimum elong	-1125 Mar 10 j 19:26	9°≈19'33	16°55'28
				max. Earth dist.	-1125 Mar 12 j 19:00	9°≈22'21	48.90554 AU

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Attention, astronomical year style is used: The year -1125 in astronomical counting style is the year 1126 BCE in historical counting style.

retrograde	-1125 Jun 22 j 00:32	10° ✕ 52'38		direct	-1117 Dec 11 j 22:29	16° ✕ 51'59	
min. Earth dist.	-1125 Sep 11 j 23:57	9° ✕ 53'24	47.04424 AU				
opposition	-1125 Sep 13 j 20:55	9° ✕ 51'14	-17°-37'-49	conjunction	-1116 Mar 19 j 05:43	18° ✕ 19'40	-16°-42'-1
direct	-1125 Dec 03 j 20:45	8° ✕ 51'10		minimum elong	-1116 Mar 19 j 05:50	18° ✕ 19'41	16°42'02
				max. Earth dist.	-1116 Mar 20 j 18:43	18° ✕ 21'49	49.60039 AU
conjunction	-1124 Mar 11 j 01:51	10° ✕ 20'13	-16°-55'-3	retrograde	-1116 Jun 30 j 08:35	19° ✕ 51'01	
minimum elong	-1124 Mar 11 j 01:54	10° ✕ 20'13	16°55'05	min. Earth dist.	-1116 Sep 20 j 15:25	18° ✕ 51'57	47.71649 AU
max. Earth dist.	-1124 Mar 13 j 00:22	10° ✕ 22'58	49.00066 AU	opposition	-1116 Sep 22 j 00:37	18° ✕ 50'22	-17°-21'-57
retrograde	-1124 Jun 22 j 05:59	11° ✕ 53'08		direct	-1116 Dec 12 j 03:49	17° ✕ 50'54	
min. Earth dist.	-1124 Sep 12 j 07:57	10° ✕ 53'56	47.13763 AU				
opposition	-1124 Sep 14 j 03:09	10° ✕ 51'51	-17°-37'-9	conjunction	-1115 Mar 20 j 11:50	19° ✕ 18'26	-16°-39'-12
direct	-1124 Dec 04 j 04:12	9° ✕ 51'53		minimum elong	-1115 Mar 20 j 11:56	19° ✕ 18'26	16°39'13
				max. Earth dist.	-1115 Mar 21 j 23:29	19° ✕ 20'29	49.65583 AU
conjunction	-1123 Mar 12 j 08:37	11° ✕ 20'46	-16°-54'-21	retrograde	-1115 Jul 01 j 14:12	20° ✕ 49'35	
minimum elong	-1123 Mar 12 j 08:42	11° ✕ 20'47	16°54'22	min. Earth dist.	-1115 Sep 21 j 20:33	19° ✕ 50'34	47.76988 AU
max. Earth dist.	-1123 Mar 14 j 06:54	11° ✕ 23'30	49.09238 AU	opposition	-1115 Sep 23 j 05:44	19° ✕ 48'59	-17°-18'-49
retrograde	-1123 Jun 23 j 11:29	12° ✕ 53'30		direct	-1115 Dec 13 j 08:07	18° ✕ 49'33	
min. Earth dist.	-1123 Sep 13 j 14:37	11° ✕ 54'24	47.22712 AU				
opposition	-1123 Sep 15 j 09:04	11° ✕ 52'21	-17°-36'-11	conjunction	-1114 Mar 21 j 17:50	20° ✕ 16'57	-16°-36'-5
direct	-1123 Dec 05 j 11:53	10° ✕ 52'30		minimum elong	-1114 Mar 21 j 17:58	20° ✕ 16'57	16°36'06
				max. Earth dist.	-1114 Mar 23 j 04:20	20° ✕ 18'56	49.70822 AU
conjunction	-1122 Mar 13 j 15:15	12° ✕ 21'13	-16°-53'-22	retrograde	-1114 Jul 02 j 18:36	21° ✕ 47'56	
minimum elong	-1122 Mar 13 j 15:19	12° ✕ 21'13	16°53'23	min. Earth dist.	-1114 Sep 23 j 03:31	20° ✕ 48'54	47.82033 AU
max. Earth dist.	-1122 Mar 15 j 11:14	12° ✕ 23'48	49.17992 AU	opposition	-1114 Sep 24 j 11:00	20° ✕ 47'24	-17°-15'-24
retrograde	-1122 Jun 24 j 21:12	13° ✕ 53'46		direct	-1114 Dec 14 j 14:10	19° ✕ 48'00	
min. Earth dist.	-1122 Sep 14 j 21:44	12° ✕ 54'43	47.31218 AU				
opposition	-1122 Sep 16 j 15:01	12° ✕ 52'44	-17°-34'-56	conjunction	-1113 Mar 22 j 23:49	21° ✕ 15'16	-16°-32'-42
direct	-1122 Dec 06 j 15:38	11° ✕ 52'59		minimum elong	-1113 Mar 22 j 23:56	21° ✕ 15'17	16°32'43
				max. Earth dist.	-1113 Mar 24 j 10:08	21° ✕ 17'15	49.75783 AU
conjunction	-1121 Mar 14 j 21:55	13° ✕ 21'33	-16°-52'-7	retrograde	-1113 Jul 03 j 21:54	22° ✕ 46'06	
minimum elong	-1121 Mar 14 j 22:01	13° ✕ 21'33	16°52'08	min. Earth dist.	-1113 Sep 24 j 08:50	21° ✕ 47'08	47.86780 AU
max. Earth dist.	-1121 Mar 16 j 17:28	13° ✕ 24'06	49.26258 AU	opposition	-1113 Sep 25 j 16:00	21° ✕ 45'39	-17°-11'-41
retrograde	-1121 Jun 26 j 05:19	14° ✕ 53'55		direct	-1113 Dec 15 j 21:43	20° ✕ 46'19	
min. Earth dist.	-1121 Sep 16 j 05:41	13° ✕ 54'51	47.39199 AU				
opposition	-1121 Sep 17 j 20:52	13° ✕ 52'59	-17°-33'-26	conjunction	-1112 Mar 23 j 05:37	22° ✕ 13'28	-16°-29'-2
direct	-1121 Dec 07 j 19:50	12° ✕ 53'19		minimum elong	-1112 Mar 23 j 05:45	22° ✕ 13'29	16°29'03
				max. Earth dist.	-1112 Mar 24 j 14:01	22° ✕ 15'20	49.80453 AU
conjunction	-1120 Mar 15 j 04:31	14° ✕ 21'43	-16°-50'-36	retrograde	-1112 Jul 04 j 05:15	23° ✕ 44'11	
minimum elong	-1120 Mar 15 j 04:36	14° ✕ 21'43	16°50'37	opposition	-1112 Sep 25 j 21:05	22° ✕ 43'48	-17°-7'-41
max. Earth dist.	-1120 Mar 16 j 22:04	14° ✕ 24'08	49.34007 AU	min. Earth dist.	-1112 Sep 24 j 14:51	22° ✕ 45'14	47.91233 AU
retrograde	-1120 Jun 26 j 11:42	15° ✕ 53'52		direct	-1112 Dec 16 j 01:56	21° ✕ 44'32	
min. Earth dist.	-1120 Sep 16 j 11:47	14° ✕ 54'53	47.46645 AU				
opposition	-1120 Sep 18 j 02:37	14° ✕ 53'01	-17°-31'-40	conjunction	-1111 Mar 24 j 11:30	23° ✕ 11'36	-16°-25'-5
direct	-1120 Dec 08 j 00:33	13° ✕ 53'25		minimum elong	-1111 Mar 24 j 11:37	23° ✕ 11'36	16°25'07
				max. Earth dist.	-1111 Mar 25 j 19:49	23° ✕ 13'27	49.84797 AU
conjunction	-1119 Mar 16 j 10:55	15° ✕ 21'38	-16°-48'-51	retrograde	-1111 Jul 05 j 12:26	24° ✕ 42'12	
minimum elong	-1119 Mar 16 j 11:01	15° ✕ 21'39	16°48'52	min. Earth dist.	-1111 Sep 25 j 21:36	23° ✕ 43'15	47.95315 AU
max. Earth dist.	-1119 Mar 18 j 02:49	15° ✕ 23'58	49.41213 AU	opposition	-1111 Sep 27 j 02:06	23° ✕ 41'54	-17°-3'-25
retrograde	-1119 Jun 27 j 14:57	16° ✕ 53'36		direct	-1111 Dec 17 j 05:49	22° ✕ 42'43	
min. Earth dist.	-1119 Sep 17 j 19:51	15° ✕ 54'33	47.53560 AU				
opposition	-1119 Sep 19 j 08:24	15° ✕ 52'49	-17°-29'-38	conjunction	-1110 Mar 25 j 17:28	24° ✕ 09'42	-16°-20'-53
direct	-1119 Dec 09 j 09:17	14° ✕ 53'15		minimum elong	-1110 Mar 25 j 17:37	24° ✕ 09'43	16°20'54
				max. Earth dist.	-1110 Mar 27 j 00:00	24° ✕ 11'27	49.88757 AU
conjunction	-1118 Mar 17 j 17:27	16° ✕ 21'17	-16°-46'-50	retrograde	-1110 Jul 06 j 19:42	25° ✕ 40'11	
minimum elong	-1118 Mar 17 j 17:33	16° ✕ 21'18	16°46'51	min. Earth dist.	-1110 Sep 27 j 02:44	24° ✕ 41'19	47.98977 AU
max. Earth dist.	-1118 Mar 19 j 08:47	16° ✕ 23'35	49.47919 AU	opposition	-1110 Sep 28 j 06:52	24° ✕ 39'59	-16°-58'-53
retrograde	-1118 Jun 28 j 18:09	17° ✕ 53'02		direct	-1110 Dec 18 j 08:35	23° ✕ 40'51	
min. Earth dist.	-1118 Sep 19 j 02:03	16° ✕ 54'01	47.59985 AU				
opposition	-1118 Sep 20 j 13:46	16° ✕ 52'18	-17°-27'-21	conjunction	-1109 Mar 26 j 23:22	25° ✕ 07'47	-16°-16'-27
direct	-1118 Dec 10 j 18:15	15° ✕ 52'46		minimum elong	-1109 Mar 26 j 23:30	25° ✕ 07'47	16°16'27
				max. Earth dist.	-1109 Mar 28 j 04:17	25° ✕ 09'26	49.92250 AU
conjunction	-1117 Mar 18 j 23:40	17° ✕ 20'38	-16°-44'-34	retrograde	-1109 Jul 07 j 23:42	26° ✕ 38'10	
minimum elong	-1117 Mar 18 j 23:47	17° ✕ 20'38	16°44'35	min. Earth dist.	-1109 Sep 28 j 10:09	25° ✕ 39'15	48.02149 AU
max. Earth dist.	-1117 Mar 20 j 12:44	17° ✕ 22'47	49.54172 AU	opposition	-1109 Sep 29 j 11:54	25° ✕ 38'02	-16°-54'-7
retrograde	-1117 Jun 30 j 02:13	18° ✕ 52'10		direct	-1109 Dec 19 j 14:59	24° ✕ 38'58	
min. Earth dist.	-1117 Sep 20 j 08:27	17° ✕ 53'09	47.66002 AU				
opposition	-1117 Sep 21 j 19:13	17° ✕ 51'29	-17°-24'-48	conjunction	-1108 Mar 27 j 05:14	26° ✕ 05'49	-16°-11'-46

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Attention, astronomical year style is used: The year -1108 in astronomical counting style is the year 1109 BCE in historical counting style.

minimum elong	-1108 Mar 27 j 05:23	26° ✕ 05'49	16°11'47	conjunction	-1100 Apr 04 j 02:28	3° ∇ 46'00	-15°-25'-42
max. Earth dist.	-1108 Mar 28 j 09:28	26° ✕ 07'26	49.95241 AU	minimum elong	-1100 Apr 04 j 02:38	3° ∇ 46'00	15°25'43
retrograde	-1108 Jul 08 j 02:19	27° ✕ 36'06		max. Earth dist.	-1100 Apr 04 j 20:37	3° ∇ 47'01	50.03472 AU
opposition	-1108 Sep 29 j 16:48	26° ✕ 36'02	-16°-49'-6	retrograde	-1100 Jul 16 j 01:04	5° ∇ 15'32	
min. Earth dist.	-1108 Sep 28 j 15:48	26° ✕ 37'13	48.04784 AU	opposition	-1100 Oct 07 j 05:30	4° ∇ 15'46	-16°00'-6
direct	-1108 Dec 19 j 23:11	25° ✕ 36'59		min. Earth dist.	-1100 Oct 06 j 12:47	4° ∇ 16'33	48.10742 AU
				direct	-1100 Dec 27 j 09:56	3° ∇ 16'51	
conjunction	-1107 Mar 28 j 11:03	27° ✕ 03'46	-16°-6'-52				
minimum elong	-1107 Mar 28 j 11:11	27° ✕ 03'46	16°06'53	conjunction	-1099 Apr 05 j 08:04	4° ∇ 43'13	-15°-18'-47
max. Earth dist.	-1107 Mar 29 j 12:37	27° ✕ 05'14	49.97700 AU	minimum elong	-1099 Apr 05 j 08:15	4° ∇ 43'14	15°18'48
retrograde	-1107 Jul 09 j 09:48	28° ✕ 33'56		max. Earth dist.	-1099 Apr 06 j 00:58	4° ∇ 44'10	50.03005 AU
opposition	-1107 Sep 30 j 21:34	27° ✕ 33'55	-16°-43'-52	retrograde	-1099 Jul 17 j 05:45	6° ∇ 12'43	
min. Earth dist.	-1107 Sep 29 j 22:01	27° ✕ 35'02	48.06903 AU	opposition	-1099 Oct 08 j 09:57	5° ∇ 12'59	-15°-52'-47
direct	-1107 Dec 21 j 03:07	26° ✕ 34'54		min. Earth dist.	-1099 Oct 07 j 19:26	5° ∇ 13'41	48.09980 AU
				direct	-1099 Dec 28 j 14:19	4° ∇ 14'06	
conjunction	-1106 Mar 29 j 16:58	28° ✕ 01'36	-16°-1'-44				
minimum elong	-1106 Mar 29 j 17:08	28° ✕ 01'37	16°01'46	conjunction	-1098 Apr 06 j 13:50	5° ∇ 40'28	-15°-11'-38
max. Earth dist.	-1106 Mar 30 j 18:02	28° ✕ 03'02	49.99651 AU	minimum elong	-1098 Apr 06 j 14:00	5° ∇ 40'29	15°11'39
retrograde	-1106 Jul 10 j 16:05	29° ✕ 31'40		max. Earth dist.	-1098 Apr 07 j 06:08	5° ∇ 41'24	50.02159 AU
min. Earth dist.	-1106 Oct 01 j 04:38	28° ✕ 32'43	48.08523 AU	retrograde	-1098 Jul 18 j 07:23	7° ∇ 09'56	
opposition	-1106 Oct 02 j 02:21	28° ✕ 31'41	-16°-38'-24	opposition	-1098 Oct 09 j 14:22	6° ∇ 10'15	-15°-45'-14
direct	-1106 Dec 22 j 07:47	27° ✕ 32'41		min. Earth dist.	-1098 Oct 09 j 00:29	6° ∇ 10'54	48.08788 AU
				direct	-1098 Dec 29 j 22:19	5° ∇ 11'23	
conjunction	-1105 Mar 30 j 22:38	28° ✕ 59'18	-15°-56'-22				
minimum elong	-1105 Mar 30 j 22:47	28° ✕ 59'18	15°56'22	conjunction	-1097 Apr 07 j 19:23	6° ∇ 37'45	-15°-4'-15
max. Earth dist.	-1105 Mar 31 j 21:59	29° ∇ 00'38	50.01148 AU	minimum elong	-1097 Apr 07 j 19:35	6° ∇ 37'46	15°04'16
	-1105 May 18 j 13:26	0° ∇		max. Earth dist.	-1097 Apr 08 j 09:07	6° ∇ 38'32	50.00844 AU
retrograde	-1105 Jul 11 j 21:57	0° ∇ 29'14		retrograde	-1097 Jul 19 j 12:56	8° ∇ 07'12	
	-1105 Sep 04 j 21:06	30° ∇		opposition	-1097 Oct 10 j 18:52	7° ∇ 07'33	-15°-37'-27
min. Earth dist.	-1105 Oct 02 j 09:27	29° ✕ 30'18	48.09720 AU	min. Earth dist.	-1097 Oct 10 j 06:34	7° ∇ 08'08	48.07106 AU
opposition	-1105 Oct 03 j 06:54	29° ✕ 29'17	-16°-32'-41	direct	-1097 Dec 31 j 03:28	6° ∇ 08'41	
direct	-1105 Dec 23 j 10:59	28° ✕ 30'17					
				conjunction	-1096 Apr 08 j 01:11	7° ∇ 35'03	-14°-56'-39
conjunction	-1104 Mar 31 j 04:14	29° ✕ 56'50	-15°-50'-45	minimum elong	-1096 Apr 08 j 01:21	7° ∇ 35'04	14°56'40
minimum elong	-1104 Mar 31 j 04:24	29° ✕ 56'51	15°50'47	max. Earth dist.	-1096 Apr 08 j 14:14	7° ∇ 35'48	49.99009 AU
max. Earth dist.	-1104 Apr 01 j 02:14	29° ✕ 58'06	50.02242 AU	retrograde	-1096 Jul 19 j 18:39	9° ∇ 04'28	
	-1104 Apr 02 j 11:44	0° ∇		opposition	-1096 Oct 10 j 23:22	8° ∇ 04'50	-15°-29'-27
retrograde	-1104 Jul 12 j 01:55	1° ∇ 26'41		min. Earth dist.	-1096 Oct 10 j 12:59	8° ∇ 05'19	48.04875 AU
opposition	-1104 Oct 03 j 11:32	0° ∇ 26'45	-16°-26'-42	direct	-1096 Dec 31 j 08:23	7° ∇ 05'58	
min. Earth dist.	-1104 Oct 02 j 16:03	0° ∇ 27'40	48.10548 AU				
	-1104 Oct 27 j 20:36	30° ∇		conjunction	-1095 Apr 09 j 06:53	8° ∇ 32'19	-14°-48'-50
direct	-1104 Dec 23 j 16:28	29° ✕ 27'46		minimum elong	-1095 Apr 09 j 07:05	8° ∇ 32'20	14°48'51
	-1103 Feb 17 j 14:03	0° ∇		max. Earth dist.	-1095 Apr 09 j 17:51	8° ∇ 32'57	49.96638 AU
				retrograde	-1095 Jul 21 j 01:41	10° ∇ 01'41	
conjunction	-1103 Apr 01 j 09:54	0° ∇ 54'15	-15°-44'-53	opposition	-1095 Oct 12 j 03:49	9° ∇ 02'03	-15°-21'-14
minimum elong	-1103 Apr 01 j 10:04	0° ∇ 54'16	15°44'53	min. Earth dist.	-1095 Oct 11 j 18:04	9° ∇ 02'31	48.02102 AU
max. Earth dist.	-1103 Apr 02 j 07:37	0° ∇ 55'29	50.03003 AU	direct	-1094 Jan 01 j 11:05	8° ∇ 03'10	
retrograde	-1103 Jul 13 j 04:04	2° ∇ 24'00					
opposition	-1103 Oct 04 j 16:02	1° ∇ 24'05	-16°-20'-27	conjunction	-1094 Apr 10 j 12:37	9° ∇ 29'31	-14°-40'-49
min. Earth dist.	-1103 Oct 03 j 20:48	1° ∇ 25'00	48.11042 AU	minimum elong	-1094 Apr 10 j 12:47	9° ∇ 29'32	14°40'49
direct	-1103 Dec 25 j 00:08	0° ∇ 25'07		max. Earth dist.	-1094 Apr 10 j 21:42	9° ∇ 30'02	49.93719 AU
				retrograde	-1094 Jul 22 j 06:50	10° ∇ 58'50	
conjunction	-1102 Apr 02 j 15:27	1° ∇ 51'33	-15°-38'-45	opposition	-1094 Oct 13 j 08:13	9° ∇ 59'12	-15°-12'-47
minimum elong	-1102 Apr 02 j 15:37	1° ∇ 51'33	15°38'46	min. Earth dist.	-1094 Oct 13 j 00:48	9° ∇ 59'33	47.98811 AU
max. Earth dist.	-1102 Apr 03 j 11:08	1° ∇ 52'40	50.03448 AU	direct	-1093 Jan 02 j 15:44	9° ∇ 00'16	
retrograde	-1102 Jul 14 j 09:57	3° ∇ 21'13					
opposition	-1102 Oct 05 j 20:29	2° ∇ 21'21	-16°-13'-56	conjunction	-1093 Apr 11 j 18:21	10° ∇ 26'38	-14°-32'-33
min. Earth dist.	-1102 Oct 05 j 02:23	2° ∇ 22'13	48.11244 AU	minimum elong	-1093 Apr 11 j 18:32	10° ∇ 26'38	14°32'34
direct	-1102 Dec 26 j 04:46	1° ∇ 22'23		max. Earth dist.	-1093 Apr 12 j 02:51	10° ∇ 27'07	49.90325 AU
				retrograde	-1093 Jul 23 j 09:01	11° ∇ 55'54	
conjunction	-1101 Apr 03 j 21:05	2° ∇ 48'47	-15°-32'-21	opposition	-1093 Oct 14 j 12:34	10° ∇ 56'14	-15°-4'-6
minimum elong	-1101 Apr 03 j 21:16	2° ∇ 48'48	15°32'21	min. Earth dist.	-1093 Oct 14 j 05:38	10° ∇ 56'34	47.95058 AU
max. Earth dist.	-1101 Apr 04 j 16:43	2° ∇ 49'54	50.03602 AU	direct	-1092 Jan 03 j 22:53	9° ∇ 57'16	
retrograde	-1101 Jul 15 j 16:37	4° ∇ 18'23					
min. Earth dist.	-1101 Oct 06 j 08:12	3° ∇ 19'22	48.11144 AU	conjunction	-1092 Apr 11 j 23:44	11° ∇ 23'38	-14°-24'-4
opposition	-1101 Oct 07 j 01:02	3° ∇ 18'34	-16°-7'-9	minimum elong	-1092 Apr 11 j 23:55	11° ∇ 23'39	14°24'04
direct	-1101 Dec 27 j 08:42	2° ∇ 19'38		max. Earth dist.	-1092 Apr 12 j 06:00	11° ∇ 24'00	49.86500 AU

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Attention, astronomical year style is used: The year -1092 in astronomical counting style is the year 1093 BCE in historical counting style.

retrograde	-1092 Jul 23 j 14:17	12°V52'54		direct	-1083 Jan 11 j 13:05	18°V32'06	
opposition	-1092 Oct 14 j 16:59	11°V53'13	-14°-55'-11				
min. Earth dist.	-1092 Oct 14 j 11:26	11°V53'29	47.90915 AU	conjunction	-1083 Apr 21 j 03:33	19°V59'10	-12°-56'-39
direct	-1091 Jan 04 j 03:39	10°V54'13		minimum elong	-1083 Apr 21 j 03:44	19°V59'11	12°56'39
				max. Earth dist.	-1083 Apr 20 j 23:12	19°V58'55	49.36257 AU
conjunction	-1091 Apr 13 j 05:27	12°V20'36	-14°-15'-20	retrograde	-1083 Aug 01 j 15:22	21°V28'46	
minimum elong	-1091 Apr 13 j 05:38	12°V20'36	14°15'21	opposition	-1083 Oct 23 j 08:32	20°V29'05	-13°-23'-27
max. Earth dist.	-1091 Apr 13 j 11:26	12°V20'56	49.82298 AU	min. Earth dist.	-1083 Oct 23 j 13:24	20°V28'51	47.37602 AU
retrograde	-1091 Jul 24 j 19:32	13°V49'51		direct	-1082 Jan 12 j 20:11	19°V29'50	
opposition	-1091 Oct 15 j 21:16	12°V50'10	-14°-46'00				
min. Earth dist.	-1091 Oct 15 j 17:05	12°V50'21	47.86409 AU	conjunction	-1082 Apr 22 j 09:33	20°V57'00	-12°-45'-46
direct	-1090 Jan 05 j 08:40	11°V51'07		minimum elong	-1082 Apr 22 j 09:45	20°V57'01	12°45'47
				max. Earth dist.	-1082 Apr 22 j 02:32	20°V56'36	49.28449 AU
conjunction	-1090 Apr 14 j 11:05	13°V17'33	-14°-6'-22	retrograde	-1082 Aug 02 j 20:24	22°V26'40	
minimum elong	-1090 Apr 14 j 11:17	13°V17'33	14°06'22	opposition	-1082 Oct 24 j 13:08	21°V26'55	-13°-12'-4
max. Earth dist.	-1090 Apr 14 j 15:30	13°V17'47	49.77774 AU	min. Earth dist.	-1082 Oct 24 j 19:47	21°V26'36	47.29406 AU
retrograde	-1090 Jul 26 j 03:28	14°V46'47		direct	-1081 Jan 14 j 01:45	20°V27'36	
opposition	-1090 Oct 17 j 01:33	13°V47'06	-14°-36'-34				
min. Earth dist.	-1090 Oct 16 j 21:31	13°V47'17	47.81595 AU	conjunction	-1081 Apr 23 j 15:30	21°V54'51	-12°-34'-40
direct	-1089 Jan 06 j 10:18	12°V48'02		minimum elong	-1081 Apr 23 j 15:42	21°V54'51	12°34'41
				max. Earth dist.	-1081 Apr 23 j 07:59	21°V54'25	49.20165 AU
conjunction	-1089 Apr 15 j 16:34	14°V14'31	-13°-57'-8	retrograde	-1081 Aug 04 j 00:11	23°V24'34	
minimum elong	-1089 Apr 15 j 16:45	14°V14'32	13°57'09	opposition	-1081 Oct 25 j 17:42	22°V24'46	-13°00'-27
max. Earth dist.	-1089 Apr 15 j 19:47	14°V14'42	49.72936 AU	min. Earth dist.	-1081 Oct 26 j 01:42	22°V24'23	47.20754 AU
retrograde	-1089 Jul 27 j 09:13	15°V43'47		direct	-1080 Jan 15 j 08:31	21°V25'21	
opposition	-1089 Oct 18 j 06:00	14°V44'06	-14°-26'-52				
min. Earth dist.	-1089 Oct 18 j 03:53	14°V44'12	47.76478 AU	conjunction	-1080 Apr 23 j 21:28	22°V52'41	-12°-23'-20
direct	-1088 Jan 07 j 13:36	13°V45'01		minimum elong	-1080 Apr 23 j 21:40	22°V52'42	12°23'21
				max. Earth dist.	-1080 Apr 23 j 12:15	22°V52'09	49.11475 AU
conjunction	-1088 Apr 15 j 22:16	15°V11'35	-13°-47'-39	retrograde	-1080 Aug 04 j 08:18	24°V22'28	
minimum elong	-1088 Apr 15 j 22:29	15°V11'35	13°47'39	opposition	-1080 Oct 25 j 22:08	23°V22'36	-12°-48'-35
max. Earth dist.	-1088 Apr 16 j 01:12	15°V11'45	49.67817 AU	min. Earth dist.	-1080 Oct 26 j 06:35	23°V22'12	47.11728 AU
retrograde	-1088 Jul 27 j 11:08	16°V40'53		direct	-1079 Jan 15 j 10:49	22°V23'05	
opposition	-1088 Oct 18 j 10:16	15°V41'13	-14°-16'-54				
min. Earth dist.	-1088 Oct 18 j 08:19	15°V41'18	47.71057 AU	conjunction	-1079 Apr 25 j 03:30	23°V50'32	-12°-11'-45
direct	-1087 Jan 07 j 21:10	14°V42'07		minimum elong	-1079 Apr 25 j 03:42	23°V50'33	12°11'45
				max. Earth dist.	-1079 Apr 24 j 16:56	23°V49'56	49.02418 AU
conjunction	-1087 Apr 17 j 03:53	16°V08'46	-13°-37'-55	retrograde	-1079 Aug 05 j 16:03	25°V20'22	
minimum elong	-1087 Apr 17 j 04:04	16°V08'47	13°37'56	opposition	-1079 Oct 27 j 02:49	24°V20'27	-12°-36'-27
max. Earth dist.	-1087 Apr 17 j 04:33	16°V08'49	49.62376 AU	min. Earth dist.	-1079 Oct 27 j 13:14	24°V19'57	47.02362 AU
retrograde	-1087 Jul 28 j 16:11	17°V38'08		direct	-1078 Jan 16 j 13:17	23°V20'50	
opposition	-1087 Oct 19 j 14:41	16°V38'29	-14°-6'-41				
min. Earth dist.	-1087 Oct 19 j 14:12	16°V38'30	47.65298 AU	conjunction	-1078 Apr 26 j 09:38	24°V48'25	-11°-59'-55
direct	-1086 Jan 09 j 02:36	15°V39'23		minimum elong	-1078 Apr 26 j 09:50	24°V48'26	11°59'56
				max. Earth dist.	-1078 Apr 25 j 22:41	24°V47'47	48.93053 AU
conjunction	-1086 Apr 18 j 09:47	17°V06'08	-13°-27'-56	retrograde	-1078 Aug 06 j 18:57	26°V18'20	
minimum elong	-1086 Apr 18 j 10:00	17°V06'09	13°27'56	opposition	-1078 Oct 28 j 07:19	25°V18'20	-12°-24'-3
max. Earth dist.	-1086 Apr 18 j 10:07	17°V06'10	49.56556 AU	min. Earth dist.	-1078 Oct 28 j 17:47	25°V17'50	46.92699 AU
retrograde	-1086 Jul 29 j 22:08	18°V35'34		direct	-1077 Jan 17 j 20:30	24°V18'38	
opposition	-1086 Oct 20 j 19:02	17°V35'56	-13°-56'-13				
min. Earth dist.	-1086 Oct 20 j 20:13	17°V35'53	47.59118 AU	conjunction	-1077 Apr 27 j 15:38	25°V46'22	-11°-47'-50
direct	-1085 Jan 10 j 07:05	16°V36'50		minimum elong	-1077 Apr 27 j 15:51	25°V46'23	11°47'50
				max. Earth dist.	-1077 Apr 27 j 02:38	25°V45'37	48.83409 AU
conjunction	-1085 Apr 19 j 15:37	18°V03'41	-13°-17'-44	retrograde	-1077 Aug 07 j 23:10	27°V16'23	
minimum elong	-1085 Apr 19 j 15:48	18°V03'41	13°17'44	opposition	-1077 Oct 29 j 12:03	26°V16'21	-12°-11'-23
max. Earth dist.	-1085 Apr 19 j 13:58	18°V03'35	49.50303 AU	min. Earth dist.	-1077 Oct 29 j 23:47	26°V15'47	46.82777 AU
retrograde	-1085 Jul 31 j 06:11	19°V33'11		direct	-1076 Jan 19 j 02:37	25°V16'34	
opposition	-1085 Oct 21 j 23:28	18°V33'33	-13°-45'-32				
min. Earth dist.	-1085 Oct 22 j 01:16	18°V33'28	47.52476 AU	conjunction	-1076 Apr 27 j 21:46	26°V44'28	-11°-35'-29
direct	-1084 Jan 11 j 08:56	17°V34'25		minimum elong	-1076 Apr 27 j 21:58	26°V44'28	11°35'30
				max. Earth dist.	-1076 Apr 27 j 08:46	26°V43'43	48.73500 AU
conjunction	-1084 Apr 19 j 21:26	19°V01'23	-13°-7'-18	retrograde	-1076 Aug 08 j 03:53	28°V14'37	
minimum elong	-1084 Apr 19 j 21:39	19°V01'23	13°07'18	opposition	-1076 Oct 29 j 16:53	27°V14'31	-11°-58'-27
max. Earth dist.	-1084 Apr 19 j 17:58	19°V01'11	49.43540 AU	min. Earth dist.	-1076 Oct 30 j 05:45	27°V13'54	46.72570 AU
retrograde	-1084 Jul 31 j 12:31	20°V30'56		direct	-1075 Jan 19 j 08:48	26°V14'41	
opposition	-1084 Oct 22 j 04:08	19°V31'17	-13°-34'-36				
min. Earth dist.	-1084 Oct 22 j 08:18	19°V31'05	47.45306 AU	conjunction	-1075 Apr 29 j 04:02	27°V42'45	-11°-22'-52

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Attention, astronomical year style is used: The year -1075 in astronomical counting style is the year 1076 BCE in historical counting style.

minimum elong	-1075 Apr 29 j 04:15	27° Υ 42'46	11°22'52	max. Earth dist.	-1067 May 06 j 07:26	5° Υ 36'44	47.66104 AU
max. Earth dist.	-1075 Apr 28 j 13:23	27° Υ 41'54	48.63312 AU				
retrograde	-1075 Aug 09 j 11:55	29° Υ 13'03		conjunction	-1067 May 07 j 10:17	5° Υ 38'18	-9°-33'-16
opposition	-1075 Oct 30 j 21:32	28° Υ 12'56	-11°-45'-15	minimum elong	-1067 May 07 j 10:28	5° Υ 38'19	9°33'17
min. Earth dist.	-1075 Oct 31 j 10:49	28° Υ 12'17	46.62064 AU	retrograde	-1067 Aug 17 j 15:01	7° Υ 10'00	
direct	-1074 Jan 20 j 11:32	27° Υ 13'02		opposition	-1067 Nov 07 j 15:02	6° Υ 09'19	-9°-50'-33
				min. Earth dist.	-1067 Nov 08 j 15:20	6° Υ 08'08	45.61886 AU
conjunction	-1074 Apr 30 j 10:29	28° Υ 41'18	-11°-10'00	direct	-1066 Jan 28 j 06:55	5° Υ 08'35	
minimum elong	-1074 Apr 30 j 10:41	28° Υ 41'19	11°10'01				
max. Earth dist.	-1074 Apr 29 j 18:21	28° Υ 40'22	48.52773 AU	conjunction	-1066 May 08 j 17:34	6° Υ 38'43	-9°-18'-27
	-1074 Jul 08 j 09:11	0° Υ		minimum elong	-1066 May 08 j 17:45	6° Υ 38'44	9°18'27
retrograde	-1074 Aug 10 j 19:24	0° Υ 11'45		max. Earth dist.	-1066 May 07 j 14:37	6° Υ 37'09	47.52084 AU
	-1074 Sep 13 j 06:04	30° Υ		retrograde	-1066 Aug 18 j 19:07	8° Υ 10'38	
opposition	-1074 Nov 01 j 02:32	29° Υ 11'37	-11°-31'-47	opposition	-1066 Nov 08 j 20:40	7° Υ 09'52	-9°-35'-2
min. Earth dist.	-1074 Nov 01 j 18:00	29° Υ 10'52	46.51179 AU	min. Earth dist.	-1066 Nov 09 j 21:51	7° Υ 08'38	45.47574 AU
direct	-1073 Jan 21 j 15:16	28° Υ 11'39		direct	-1065 Jan 29 j 15:13	6° Υ 09'00	
				max. Earth dist.	-1065 May 08 j 20:02	7° Υ 37'43	47.37792 AU
conjunction	-1073 May 01 j 16:58	29° Υ 40'08	-10°-56'-54				
minimum elong	-1073 May 01 j 17:11	29° Υ 40'09	10°56'54	conjunction	-1065 May 10 j 00:37	7° Υ 39'23	-9°-3'-22
max. Earth dist.	-1073 May 01 j 00:15	29° Υ 39'11	48.41832 AU	minimum elong	-1065 May 10 j 00:47	7° Υ 39'24	9°03'23
	-1073 May 16 j 04:46	0° Υ		retrograde	-1065 Aug 20 j 03:20	9° Υ 11'33	
retrograde	-1073 Aug 12 j 00:33	1° Υ 10'46		opposition	-1065 Nov 10 j 02:19	8° Υ 10'40	-9°-19'-14
opposition	-1073 Nov 02 j 07:29	0° Υ 10'35	-11°-18'-4	min. Earth dist.	-1065 Nov 11 j 03:50	8° Υ 09'25	45.33006 AU
min. Earth dist.	-1073 Nov 02 j 23:27	0° Υ 09'49	46.39850 AU	direct	-1064 Jan 30 j 19:22	7° Υ 09'40	
	-1073 Nov 11 j 12:03	30° Υ		max. Earth dist.	-1064 May 09 j 02:20	8° Υ 38'37	47.23232 AU
direct	-1072 Jan 22 j 21:38	29° Υ 10'33					
	-1072 Apr 02 j 14:01	0° Υ		conjunction	-1064 May 10 j 08:01	8° Υ 40'22	-8°-48'-1
conjunction	-1072 May 01 j 23:35	0° Υ 39'16	-10°-43'-33	minimum elong	-1064 May 10 j 08:12	8° Υ 40'22	8°48'02
minimum elong	-1072 May 01 j 23:47	0° Υ 39'17	10°43'34	retrograde	-1064 Aug 20 j 12:08	10° Υ 12'46	
max. Earth dist.	-1072 May 01 j 04:08	0° Υ 38'09	48.30414 AU	opposition	-1064 Nov 10 j 08:08	9° Υ 11'48	-9°-3'-9
retrograde	-1072 Aug 12 j 06:46	2° Υ 10'04		min. Earth dist.	-1064 Nov 11 j 11:28	9° Υ 10'28	45.18171 AU
opposition	-1072 Nov 02 j 12:34	1° Υ 09'50	-11°-4'-6	direct	-1063 Jan 30 j 23:13	8° Υ 10'41	
min. Earth dist.	-1072 Nov 03 j 06:31	1° Υ 08'58	46.28032 AU	max. Earth dist.	-1063 May 10 j 09:30	9° Υ 39'55	47.08408 AU
direct	-1071 Jan 23 j 03:19	0° Υ 09'43					
max. Earth dist.	-1071 May 02 j 10:18	1° Υ 37'29	48.18484 AU	conjunction	-1063 May 11 j 15:39	9° Υ 41'41	-8°-32'-24
				minimum elong	-1063 May 11 j 15:49	9° Υ 41'42	8°32'25
conjunction	-1071 May 03 j 06:31	1° Υ 38'39	-10°-29'-59	retrograde	-1063 Aug 21 j 20:37	11° Υ 14'21	
minimum elong	-1071 May 03 j 06:44	1° Υ 38'40	10°30'00	opposition	-1063 Nov 11 j 14:00	10° Υ 13'18	-8°-46'-47
retrograde	-1071 Aug 13 j 11:08	3° Υ 09'38		min. Earth dist.	-1063 Nov 12 j 17:32	10° Υ 11'57	45.03041 AU
opposition	-1071 Nov 03 j 17:48	2° Υ 09'20	-10°-49'-54	direct	-1062 Feb 01 j 04:58	9° Υ 12'04	
min. Earth dist.	-1071 Nov 04 j 13:12	2° Υ 08'23	46.15684 AU	conjunction	-1062 May 12 j 23:17	10° Υ 43'25	-8°-16'-31
direct	-1070 Jan 24 j 10:34	1° Υ 09'06		minimum elong	-1062 May 12 j 23:28	10° Υ 43'25	8°16'31
				max. Earth dist.	-1062 May 11 j 14:48	10° Υ 41'30	46.93251 AU
conjunction	-1070 May 04 j 13:22	2° Υ 38'16	-10°-16'-10	retrograde	-1062 Aug 23 j 04:30	12° Υ 16'21	
minimum elong	-1070 May 04 j 13:33	2° Υ 38'16	10°16'10	opposition	-1062 Nov 12 j 20:03	11° Υ 15'13	-8°-30'-8
max. Earth dist.	-1070 May 03 j 15:02	2° Υ 36'58	48.06048 AU	min. Earth dist.	-1062 Nov 14 j 01:29	11° Υ 13'46	44.87561 AU
retrograde	-1070 Aug 14 j 19:38	4° Υ 09'25		direct	-1061 Feb 02 j 11:19	10° Υ 13'51	
opposition	-1070 Nov 04 j 22:56	3° Υ 09'02	-10°-35'-27	max. Earth dist.	-1061 May 12 j 22:21	11° Υ 43'36	46.77704 AU
min. Earth dist.	-1070 Nov 05 j 19:09	3° Υ 08'03	46.02850 AU				
direct	-1069 Jan 25 j 13:53	2° Υ 08'42		conjunction	-1061 May 14 j 07:17	11° Υ 45'33	-8°00'-22
				minimum elong	-1061 May 14 j 07:27	11° Υ 45'33	8°00'22
conjunction	-1069 May 05 j 20:18	3° Υ 38'05	-10°-2'-7	retrograde	-1061 Aug 24 j 09:09	13° Υ 18'46	
minimum elong	-1069 May 05 j 20:30	3° Υ 38'06	10°02'08	opposition	-1061 Nov 14 j 02:18	12° Υ 17'32	-8°-13'-13
max. Earth dist.	-1069 May 04 j 20:21	3° Υ 36'42	47.93130 AU	min. Earth dist.	-1061 Nov 15 j 08:52	12° Υ 16'02	44.71652 AU
retrograde	-1069 Aug 16 j 04:56	5° Υ 09'25		direct	-1060 Feb 03 j 19:54	11° Υ 16'02	
opposition	-1069 Nov 06 j 04:19	4° Υ 08'56	-10°-20'-45	max. Earth dist.	-1060 May 13 j 04:08	12° Υ 45'59	46.61707 AU
min. Earth dist.	-1069 Nov 07 j 02:44	4° Υ 07'51	45.89568 AU				
direct	-1068 Jan 26 j 16:33	3° Υ 08'28		conjunction	-1060 May 14 j 15:15	12° Υ 48'04	-7°-43'-58
max. Earth dist.	-1068 May 05 j 02:40	4° Υ 36'40	47.79805 AU	minimum elong	-1060 May 14 j 15:25	12° Υ 48'05	7°43'58
				retrograde	-1060 Aug 24 j 16:52	14° Υ 21'36	
conjunction	-1068 May 06 j 03:13	4° Υ 38'06	-9°-47'-49	opposition	-1060 Nov 14 j 08:40	13° Υ 20'15	-7°-56'-2
minimum elong	-1068 May 06 j 03:25	4° Υ 38'06	9°47'49	min. Earth dist.	-1060 Nov 15 j 16:19	13° Υ 18'41	44.55270 AU
retrograde	-1068 Aug 16 j 10:04	6° Υ 09'36		direct	-1059 Feb 04 j 02:12	12° Υ 18'35	
opposition	-1068 Nov 06 j 09:38	5° Υ 09'02	-10°-5'-47	max. Earth dist.	-1059 May 14 j 10:47	13° Υ 48'47	46.45196 AU
min. Earth dist.	-1068 Nov 07 j 08:14	5° Υ 07'56	45.75894 AU				
direct	-1067 Jan 26 j 23:34	4° Υ 08'26		conjunction	-1059 May 15 j 23:38	13° Υ 50'58	-7°-27'-18

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Attention, astronomical year style is used: The year -1059 in astronomical counting style is the year 1060 BCE in historical counting style.

minimum elong	-1059 May 15 j 23:48	13°♃50'59	7°27'18	conjunction	-1051 May 24 j 23:11	22°♃26'40	-5°-4'-30
	-1059 Jul 09 j 00:12	15°♃		minimum elong	-1051 May 24 j 23:18	22°♃26'41	5°04'30
retrograde	-1059 Aug 26 j 02:26	15°♃24'48		retrograde	-1051 Sep 03 j 22:38	24°♃03'18	
	-1059 Oct 13 j 13:46	15°♃		opposition	-1051 Nov 24 j 00:38	23°♃00'33	-5°-8'-43
opposition	-1059 Nov 15 j 15:14	14°♃23'19	-7°-38'-35	min. Earth dist.	-1051 Nov 25 j 18:18	22°♃58'25	42.90060 AU
min. Earth dist.	-1059 Nov 17 j 01:11	14°♃21'37	44.38373 AU	direct	-1050 Feb 13 j 19:04	21°♃57'06	
direct	-1058 Feb 05 j 06:53	13°♃21'28		max. Earth dist.	-1050 May 24 j 08:58	23°♃30'20	44.79626 AU
max. Earth dist.	-1058 May 15 j 18:13	14°♃51'56	46.28196 AU				
				conjunction	-1050 May 26 j 08:57	23°♃33'18	-4°-45'-24
conjunction	-1058 May 17 j 08:09	14°♃54'12	-7°-10'-24	minimum elong	-1050 May 26 j 09:04	23°♃33'18	4°45'24
minimum elong	-1058 May 17 j 08:19	14°♃54'13	7°10'24	retrograde	-1050 Sep 05 j 07:13	25°♃10'23	
	-1058 May 21 j 09:08	15°♃		opposition	-1050 Nov 25 j 08:40	24°♃07'29	-4°-48'-39
retrograde	-1058 Aug 27 j 11:10	16°♃28'19		min. Earth dist.	-1050 Nov 27 j 03:24	24°♃05'18	42.70359 AU
opposition	-1058 Nov 16 j 21:52	15°♃26'41	-7°-20'-52	direct	-1049 Feb 15 j 03:32	23°♃03'52	
min. Earth dist.	-1058 Nov 18 j 08:11	15°♃24'59	44.20996 AU	max. Earth dist.	-1049 May 25 j 18:04	24°♃37'34	44.59846 AU
	-1058 Dec 09 j 23:21	15°♃					
direct	-1057 Feb 06 j 13:06	14°♃24'39		conjunction	-1049 May 27 j 18:57	24°♃40'36	-4°-26'-1
	-1057 Apr 05 j 10:17	15°♃		minimum elong	-1049 May 27 j 19:04	24°♃40'36	4°26'01
max. Earth dist.	-1057 May 17 j 00:09	15°♃55'20	46.10722 AU	retrograde	-1049 Sep 06 j 16:55	26°♃18'10	
				opposition	-1049 Nov 26 j 17:03	25°♃15'07	-4°-28'-17
conjunction	-1057 May 18 j 16:29	15°♃57'45	-6°-53'-14	min. Earth dist.	-1049 Nov 28 j 13:36	25°♃12'49	42.50307 AU
minimum elong	-1057 May 18 j 16:38	15°♃57'45	6°53'14	direct	-1048 Feb 16 j 10:48	24°♃11'17	
retrograde	-1057 Aug 28 j 19:20	17°♃32'10		max. Earth dist.	-1048 May 26 j 03:13	25°♃45'26	44.39697 AU
opposition	-1057 Nov 18 j 04:44	16°♃30'21	-7°-2'-52				
min. Earth dist.	-1057 Nov 19 j 17:05	16°♃28'33	44.03185 AU	conjunction	-1048 May 28 j 05:21	25°♃48'33	-4°-6'-22
direct	-1056 Feb 07 j 20:46	15°♃28'07		minimum elong	-1048 May 28 j 05:27	25°♃48'34	4°06'22
max. Earth dist.	-1056 May 17 j 08:40	16°♃59'09	45.92837 AU	retrograde	-1048 Sep 07 j 04:57	27°♃26'37	
				opposition	-1048 Nov 27 j 01:25	26°♃23'24	-4°-7'-37
conjunction	-1056 May 19 j 01:17	17°♃01'36	-6°-35'-48	min. Earth dist.	-1048 Nov 28 j 22:23	26°♃21'05	42.29859 AU
minimum elong	-1056 May 19 j 01:27	17°♃01'36	6°35'49	direct	-1047 Feb 16 j 16:40	25°♃19'21	
retrograde	-1056 Aug 29 j 00:31	18°♃36'19		max. Earth dist.	-1047 May 27 j 11:32	26°♃53'54	44.19113 AU
opposition	-1056 Nov 18 j 11:33	17°♃34'21	-6°-44'-35				
min. Earth dist.	-1056 Nov 20 j 00:49	17°♃32'29	43.84989 AU	conjunction	-1047 May 29 j 16:03	26°♃57'10	-3°-46'-26
direct	-1055 Feb 08 j 06:58	16°♃31'54		minimum elong	-1047 May 29 j 16:09	26°♃57'11	3°46'26
max. Earth dist.	-1055 May 18 j 15:24	18°♃03'11	45.74604 AU	retrograde	-1047 Sep 08 j 17:00	28°♃35'43	
				opposition	-1047 Nov 28 j 10:19	27°♃32'18	-3°-46'-40
conjunction	-1055 May 20 j 10:06	18°♃05'46	-6°-18'-6	min. Earth dist.	-1047 Nov 30 j 09:34	27°♃29'52	42.08980 AU
minimum elong	-1055 May 20 j 10:14	18°♃05'46	6°18'05	direct	-1046 Feb 18 j 00:59	26°♃28'01	
retrograde	-1055 Aug 30 j 09:05	19°♃40'49		max. Earth dist.	-1046 May 28 j 22:03	28°♃03'04	43.98099 AU
opposition	-1055 Nov 19 j 18:35	18°♃38'41	-6°-26'00				
min. Earth dist.	-1055 Nov 21 j 08:35	18°♃36'46	43.66482 AU	conjunction	-1046 May 31 j 02:59	28°♃06'24	-3°-26'-14
direct	-1054 Feb 09 j 13:46	17°♃36'01		minimum elong	-1046 May 31 j 03:04	28°♃06'24	3°26'14
max. Earth dist.	-1054 May 19 j 23:30	19°♃07'39	45.56061 AU	retrograde	-1046 Sep 10 j 02:47	29°♃45'24	
				opposition	-1046 Nov 29 j 19:18	28°♃41'47	-3°-25'-25
conjunction	-1054 May 21 j 19:06	19°♃10'17	-6°00'-7	min. Earth dist.	-1046 Dec 01 j 19:10	28°♃39'18	41.87678 AU
minimum elong	-1054 May 21 j 19:14	19°♃10'18	6°00'08	direct	-1045 Feb 19 j 12:44	27°♃37'14	
retrograde	-1054 Aug 31 j 17:47	20°♃45'43		max. Earth dist.	-1045 May 30 j 06:36	29°♃12'42	43.76687 AU
opposition	-1054 Nov 21 j 01:52	19°♃43'24	-6°-7'-8				
min. Earth dist.	-1054 Nov 22 j 17:30	19°♃41'24	43.47699 AU	conjunction	-1045 Jun 01 j 14:00	29°♃16'12	-3°-5'-46
direct	-1053 Feb 10 j 20:12	18°♃40'32		minimum elong	-1045 Jun 01 j 14:05	29°♃16'12	3°05'46
max. Earth dist.	-1053 May 21 j 08:08	20°♃12'33	45.37286 AU		-1045 Jul 01 j 10:16	0°♂	
				retrograde	-1045 Sep 11 j 13:47	0°♂55'41	
conjunction	-1053 May 23 j 04:14	20°♃15'14	-5°-41'-52		-1045 Nov 24 j 15:23	30°♂	
minimum elong	-1053 May 23 j 04:22	20°♃15'14	5°41'51	opposition	-1045 Dec 01 j 04:27	29°♃51'50	-3°-3'-52
retrograde	-1053 Sep 02 j 04:21	21°♃51'02		min. Earth dist.	-1045 Dec 03 j 05:40	29°♃49'17	41.66017 AU
opposition	-1053 Nov 22 j 09:12	20°♃48'34	-5°-47'-58	direct	-1044 Feb 20 j 22:42	28°♃47'00	
min. Earth dist.	-1053 Nov 24 j 00:43	20°♃46'34	43.28703 AU		-1044 May 15 j 10:15	0°♂	
direct	-1052 Feb 12 j 02:30	19°♃45'30		max. Earth dist.	-1044 May 30 j 17:17	0°♂22'59	43.54915 AU
max. Earth dist.	-1052 May 21 j 15:24	21°♃17'52	45.18292 AU				
				conjunction	-1044 Jun 02 j 01:22	0°♂26'32	-2°-45'-1
conjunction	-1052 May 23 j 13:28	21°♃20'40	-5°-23'-19	minimum elong	-1044 Jun 02 j 01:27	0°♂26'33	2°45'00
minimum elong	-1052 May 23 j 13:36	21°♃20'41	5°23'20	retrograde	-1044 Sep 11 j 21:48	2°♂06'33	
retrograde	-1052 Sep 02 j 15:25	22°♃56'53		opposition	-1044 Dec 01 j 13:59	1°♂02'27	-2°-42'-2
opposition	-1052 Nov 22 j 16:54	21°♃54'15	-5°-28'-30	min. Earth dist.	-1044 Dec 03 j 16:38	0°♂59'48	41.44022 AU
min. Earth dist.	-1052 Nov 24 j 10:08	21°♃52'10	43.09499 AU		-1043 Feb 06 j 07:13	30°♂	
direct	-1051 Feb 12 j 09:14	20°♃51'00		direct	-1043 Feb 21 j 09:37	29°♃57'20	
max. Earth dist.	-1051 May 23 j 01:08	22°♃23'51	44.99083 AU		-1043 Mar 08 j 07:20	0°♂	

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Attention, astronomical year style is used: The year -1043 in astronomical counting style is the year 1044 BCE in historical counting style.

max. Earth dist.	-1043 Jun 01 j 03:47	1°II33'47	43.32849 AU	min. Earth dist.	-1036 Dec 13 j 13:21	10°II49'33	39.61237 AU
				direct	-1035 Mar 02 j 19:18	9°II45'13	
conjunction	-1043 Jun 03 j 12:57	1°II37'26	-2°-23'-59	max. Earth dist.	-1035 Jun 11 j 02:31	11°II26'38	41.49405 AU
minimum elong	-1043 Jun 03 j 13:01	1°II37'27	2°23'59				
retrograde	-1043 Sep 13 j 09:20	3°II17'58		conjunction	-1035 Jun 13 j 20:51	11°II31'05	0°34'03
opposition	-1043 Dec 02 j 23:32	2°II13'38	-2°-19'-53	minimum elong	-1035 Jun 13 j 20:50	11°II31'05	0°34'04
min. Earth dist.	-1043 Dec 05 j 02:25	2°II10'57	41.21775 AU	retrograde	-1035 Sep 23 j 21:36	13°II16'44	
direct	-1042 Feb 22 j 18:11	1°II08'12		opposition	-1035 Dec 12 j 16:33	12°II10'29	0°47'57
max. Earth dist.	-1042 Jun 02 j 13:56	2°II45'09	43.10535 AU	min. Earth dist.	-1035 Dec 15 j 03:42	12°II07'16	39.37325 AU
				direct	-1034 Mar 04 j 06:44	11°II02'44	
conjunction	-1042 Jun 05 j 00:47	2°II48'56	-2°-2'-41	max. Earth dist.	-1034 Jun 12 j 16:59	12°II44'56	41.25303 AU
minimum elong	-1042 Jun 05 j 00:51	2°II48'56	2°02'41				
retrograde	-1042 Sep 14 j 23:19	4°II30'00		conjunction	-1034 Jun 15 j 11:42	12°II49'26	0°57'29
opposition	-1042 Dec 04 j 09:38	3°II25'24	-1°-57'-26	minimum elong	-1034 Jun 15 j 11:40	12°II49'26	0°57'31
min. Earth dist.	-1042 Dec 06 j 14:17	3°II22'37	40.99325 AU	retrograde	-1034 Sep 25 j 10:32	14°II35'49	
direct	-1041 Feb 24 j 01:09	2°II19'41		opposition	-1034 Dec 14 j 05:25	13°II29'18	1°12'44
max. Earth dist.	-1041 Jun 04 j 02:06	3°II57'15	42.88048 AU	min. Earth dist.	-1034 Dec 16 j 17:21	13°II26'01	39.13077 AU
				direct	-1033 Mar 05 j 21:15	12°II21'13	
conjunction	-1041 Jun 06 j 12:47	4°II01'02	-1°-41'-7	max. Earth dist.	-1033 Jun 14 j 06:00	14°II04'06	41.00883 AU
minimum elong	-1041 Jun 06 j 12:50	4°II01'02	1°41'07				
retrograde	-1041 Sep 16 j 10:53	5°II42'40		conjunction	-1033 Jun 17 j 02:35	14°II08'46	1°21'11
opposition	-1041 Dec 05 j 19:54	4°II37'50	-1°-34'-42	minimum elong	-1033 Jun 17 j 02:33	14°II08'45	1°21'11
min. Earth dist.	-1041 Dec 08 j 00:21	4°II35'03	40.76720 AU	retrograde	-1033 Sep 27 j 00:40	15°II55'53	
direct	-1040 Feb 25 j 12:22	3°II31'49		opposition	-1033 Dec 15 j 18:31	14°II49'05	1°37'47
max. Earth dist.	-1040 Jun 04 j 12:33	5°II09'55	42.65416 AU	min. Earth dist.	-1033 Dec 18 j 07:20	14°II45'44	38.88543 AU
				direct	-1032 Mar 06 j 10:55	13°II40'39	
conjunction	-1040 Jun 07 j 01:08	5°II13'51	-1°-19'-15	max. Earth dist.	-1032 Jun 14 j 20:30	15°II24'16	40.76170 AU
minimum elong	-1040 Jun 07 j 01:10	5°II13'51	1°19'15				
retrograde	-1040 Sep 16 j 23:49	6°II56'04		conjunction	-1032 Jun 17 j 18:10	15°II29'02	1°45'07
opposition	-1040 Dec 06 j 06:24	5°II51'00	-1°-11'-39	minimum elong	-1032 Jun 17 j 18:07	15°II29'02	1°45'08
min. Earth dist.	-1040 Dec 08 j 12:05	5°II48'08	40.53998 AU	retrograde	-1032 Sep 27 j 14:41	17°II16'57	
direct	-1039 Feb 25 j 23:20	4°II44'42		opposition	-1032 Dec 16 j 08:01	16°II09'50	2°03'06
max. Earth dist.	-1039 Jun 06 j 01:23	6°II23'29	42.42648 AU	min. Earth dist.	-1032 Dec 18 j 22:37	16°II06'21	38.63755 AU
				direct	-1031 Mar 07 j 23:10	15°II01'01	
conjunction	-1039 Jun 08 j 14:03	6°II27'27	0°-57'-8	max. Earth dist.	-1031 Jun 16 j 11:46	16°II45'26	40.51239 AU
minimum elong	-1039 Jun 08 j 14:04	6°II27'27	0°57'09				
retrograde	-1039 Sep 18 j 10:20	8°II10'18		conjunction	-1031 Jun 19 j 10:04	16°II50'17	2°09'17
opposition	-1039 Dec 07 j 17:23	7°II05'00	0°-48'-19	minimum elong	-1031 Jun 19 j 10:00	16°II50'17	2°09'17
min. Earth dist.	-1039 Dec 09 j 23:59	7°II02'04	40.31129 AU	retrograde	-1031 Sep 29 j 06:56	18°II38'59	
direct	-1038 Feb 27 j 12:09	5°II58'26		opposition	-1031 Dec 17 j 21:53	17°II31'33	2°28'41
max. Earth dist.	-1038 Jun 07 j 13:05	7°II37'50	42.19727 AU	min. Earth dist.	-1031 Dec 20 j 12:21	17°II28'04	38.38789 AU
				direct	-1030 Mar 09 j 11:46	16°II22'21	
conjunction	-1038 Jun 10 j 03:01	7°II41'54	0°-34'-44	max. Earth dist.	-1030 Jun 18 j 02:10	18°II07'32	40.26134 AU
minimum elong	-1038 Jun 10 j 03:02	7°II41'54	0°34'44				
retrograde	-1038 Sep 19 j 23:38	9°II25'25		conjunction	-1030 Jun 21 j 02:10	18°II12'32	2°33'40
opposition	-1038 Dec 09 j 04:33	8°II19'54	0°-24'-40	minimum elong	-1030 Jun 21 j 02:05	18°II12'31	2°33'42
min. Earth dist.	-1038 Dec 11 j 11:26	8°II16'57	40.08095 AU	retrograde	-1030 Oct 01 j 01:05	20°II02'03	
direct	-1037 Feb 28 j 22:17	7°II13'04		opposition	-1030 Dec 19 j 12:17	18°II54'17	2°54'31
max. Earth dist.	-1037 Jun 09 j 01:13	8°II53'07	41.96581 AU	min. Earth dist.	-1030 Dec 22 j 04:22	18°II50'42	38.13705 AU
				direct	-1029 Mar 11 j 00:38	17°II44'42	
conjunction	-1037 Jun 11 j 16:33	8°II57'18	0°-12'-6	max. Earth dist.	-1029 Jun 19 j 19:18	19°II30'49	40.00939 AU
minimum elong	-1037 Jun 11 j 16:34	8°II57'18	0°12'06				
behind sun begin	-1037 Jun 11 j 12:14	8°II57'02		conjunction	-1029 Jun 22 j 18:51	19°II35'49	2°58'17
behind sun end	-1037 Jun 11 j 20:53	8°II57'35		minimum elong	-1029 Jun 22 j 18:45	19°II35'48	2°58'18
retrograde	-1037 Sep 21 j 13:30	10°II41'32		retrograde	-1029 Oct 02 j 18:54	21°II26'10	
opposition	-1037 Dec 10 j 16:11	9°II35'47	0°00'-45	opposition	-1029 Dec 21 j 03:01	20°II18'04	3°20'35
min. Earth dist.	-1037 Dec 13 j 01:05	9°II32'43	39.84818 AU	min. Earth dist.	-1029 Dec 23 j 19:01	20°II14'28	37.88564 AU
asc. node	-1037 Dec 22 j 06:00	9°II20'54		direct	-1028 Mar 11 j 16:45	19°II08'06	
direct	-1036 Mar 01 j 07:49	8°II28'39		max. Earth dist.	-1028 Jun 20 j 10:35	20°II55'02	39.75706 AU
max. Earth dist.	-1036 Jun 09 j 14:44	10°II09'27	41.73164 AU				
				conjunction	-1028 Jun 23 j 11:51	21°II00'12	3°23'06
conjunction	-1036 Jun 12 j 06:31	10°II13'42	0°10'54	minimum elong	-1028 Jun 23 j 11:44	21°II00'11	3°23'07
minimum elong	-1036 Jun 12 j 06:30	10°II13'42	0°10'55	retrograde	-1028 Oct 03 j 13:21	22°II51'26	
behind sun begin	-1036 Jun 12 j 01:38	10°II13'24		opposition	-1028 Dec 21 j 18:15	21°II43'00	3°46'53
behind sun end	-1036 Jun 12 j 11:22	10°II14'00		min. Earth dist.	-1028 Dec 24 j 11:01	21°II39'21	37.63417 AU
retrograde	-1036 Sep 22 j 05:07	11°II58'38		direct	-1027 Mar 13 j 07:20	20°II32'40	
opposition	-1036 Dec 11 j 04:10	10°II52'39	0°23'27	max. Earth dist.	-1027 Jun 22 j 04:15	22°II20'34	39.50449 AU

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Attention, astronomical year style is used: The year -1027 in astronomical counting style is the year 1028 BCE in historical counting style.

conjunction	-1027 Jun 25 j 05:32	22°II25'46	3°48'06	max. Earth dist.	-1019 Jul 04 j 14:26	4°♁33'01	37.45074 AU
minimum elong	-1027 Jun 25 j 05:25	22°II25'46	3°48'07				
retrograde	-1027 Oct 05 j 04:22	24°II17'54		conjunction	-1019 Jul 07 j 22:09	4°♁39'06	7°13'25
opposition	-1027 Dec 23 j 10:03	23°II09'11	4°13'23	minimum elong	-1019 Jul 07 j 21:54	4°♁39'05	7°13'26
min. Earth dist.	-1027 Dec 26 j 03:37	23°II05'26	37.38256 AU	retrograde	-1019 Oct 17 j 23:42	6°♁39'25	
direct	-1026 Mar 15 j 00:27	21°II58'28		opposition	-1018 Jan 04 j 11:55	5°♁27'48	7°51'24
max. Earth dist.	-1026 Jun 23 j 21:36	23°II47'18	39.25186 AU	min. Earth dist.	-1018 Jan 07 j 10:46	5°♁23'33	35.33772 AU
				direct	-1018 Mar 26 j 20:42	4°♁13'38	
conjunction	-1026 Jun 26 j 23:34	23°II52'37	4°13'17	max. Earth dist.	-1018 Jul 06 j 12:01	6°♁10'51	37.19044 AU
minimum elong	-1026 Jun 26 j 23:26	23°II52'36	4°13'18				
retrograde	-1026 Oct 06 j 22:14	25°II45'42		conjunction	-1018 Jul 09 j 20:47	6°♁17'03	7°39'27
opposition	-1026 Dec 25 j 02:15	24°II36'40	4°40'05	minimum elong	-1018 Jul 09 j 20:32	6°♁17'02	7°39'28
min. Earth dist.	-1026 Dec 27 j 19:44	24°II32'55	37.13085 AU	retrograde	-1018 Oct 19 j 22:27	8°♁18'31	
direct	-1025 Mar 16 j 15:40	23°II25'34		opposition	-1017 Jan 06 j 08:54	7°♁06'28	8°19'05
max. Earth dist.	-1025 Jun 25 j 15:00	25°II15'22	38.99854 AU	min. Earth dist.	-1017 Jan 09 j 09:04	7°♁02'07	35.08014 AU
				direct	-1017 Mar 28 j 14:58	5°♁51'49	
conjunction	-1025 Jun 28 j 18:07	25°II20'48	4°38'38	max. Earth dist.	-1017 Jul 08 j 12:00	7°♁50'18	36.93133 AU
minimum elong	-1025 Jun 28 j 17:58	25°II20'48	4°38'39				
retrograde	-1025 Oct 08 j 16:56	27°II14'53		conjunction	-1017 Jul 11 j 19:54	7°♁56'30	8°05'28
opposition	-1025 Dec 26 j 19:08	26°II05'31	5°06'59	minimum elong	-1017 Jul 11 j 19:38	7°♁56'29	8°05'30
min. Earth dist.	-1025 Dec 29 j 14:26	26°II01'39	36.87836 AU	retrograde	-1017 Oct 21 j 22:25	9°♁59'08	
direct	-1024 Mar 17 j 04:56	24°II54'03		opposition	-1016 Jan 08 j 06:27	8°♁46'40	8°46'46
max. Earth dist.	-1024 Jun 26 j 10:13	26°II44'54	38.74416 AU	min. Earth dist.	-1016 Jan 11 j 05:56	8°♁42'20	34.82410 AU
				direct	-1016 Mar 29 j 12:53	7°♁31'33	
conjunction	-1024 Jun 29 j 13:25	26°II50'23	5°04'08	max. Earth dist.	-1016 Jul 09 j 10:34	9°♁31'12	36.67398 AU
minimum elong	-1024 Jun 29 j 13:15	26°II50'22	5°04'09				
retrograde	-1024 Oct 09 j 12:57	28°II45'28		conjunction	-1016 Jul 12 j 19:44	9°♁37'33	8°31'27
opposition	-1024 Dec 27 j 12:23	27°II35'46	5°34'03	minimum elong	-1016 Jul 12 j 19:27	9°♁37'32	8°31'27
min. Earth dist.	-1024 Dec 30 j 07:38	27°II31'52	36.62460 AU	retrograde	-1016 Oct 23 j 01:09	11°♁41'23	
direct	-1023 Mar 18 j 22:25	26°II23'54		opposition	-1015 Jan 09 j 04:36	10°♁28'30	9°14'23
max. Earth dist.	-1023 Jun 28 j 03:55	28°II15'40	38.48816 AU	min. Earth dist.	-1015 Jan 12 j 04:39	10°♁24'07	34.57036 AU
				direct	-1015 Mar 31 j 09:48	9°♁12'55	
conjunction	-1023 Jul 01 j 09:15	28°II21'21	5°29'47	max. Earth dist.	-1015 Jul 11 j 12:13	11°♁13'57	36.41896 AU
minimum elong	-1023 Jul 01 j 09:05	28°II21'21	5°29'48				
retrograde	-1023 Sep 05 j 15:16	0°♁		conjunction	-1015 Jul 14 j 20:23	11°♁20'18	8°57'19
opposition	-1023 Oct 11 j 11:49	0°♁17'27		minimum elong	-1015 Jul 14 j 20:04	11°♁20'16	8°57'20
min. Earth dist.	-1023 Nov 16 j 15:55	30°RII		retrograde	-1015 Oct 25 j 01:35	13°♁25'22	
direct	-1023 Dec 29 j 06:24	29°II07'24	6°01'17	opposition	-1014 Jan 11 j 03:41	12°♁12'06	9°41'54
max. Earth dist.	-1022 Jan 01 j 03:15	29°II03'24	36.36936 AU	min. Earth dist.	-1014 Jan 14 j 03:36	12°♁07'41	34.31910 AU
				direct	-1014 Apr 02 j 08:47	10°♁56'04	
conjunction	-1022 Jul 03 j 05:38	29°II53'43	5°55'34	max. Earth dist.	-1014 Jul 13 j 12:45	12°♁58'24	36.16655 AU
minimum elong	-1022 Jul 03 j 05:26	29°II53'42	5°55'34				
retrograde	-1022 Jul 06 j 18:15	0°♁		conjunction	-1014 Jul 16 j 21:23	13°♁04'51	9°23'04
opposition	-1022 Oct 13 j 08:14	1°♁50'51		minimum elong	-1014 Jul 16 j 21:04	13°♁04'50	9°23'04
min. Earth dist.	-1022 Dec 31 j 01:01	0°♁40'25	6°28'39	retrograde	-1014 Oct 27 j 04:34	15°♁11'12	
max. Earth dist.	-1021 Jan 02 j 22:22	0°♁36'21	36.11254 AU	opposition	-1013 Jan 13 j 03:20	13°♁57'34	10°09'17
				min. Earth dist.	-1013 Jan 16 j 02:54	13°♁53'09	34.07055 AU
direct	-1021 Jan 30 j 11:41	30°RII		direct	-1013 Apr 04 j 08:10	12°♁41'06	
max. Earth dist.	-1021 Mar 22 j 10:43	29°II27'41		max. Earth dist.	-1013 Jul 15 j 14:57	14°♁44'50	35.91640 AU
conjunction	-1021 Jul 05 j 02:30	1°♁27'28	6°21'26	conjunction	-1013 Jul 18 j 23:23	14°♁51'20	9°48'39
minimum elong	-1021 Jul 05 j 02:17	1°♁27'27	6°21'27	minimum elong	-1013 Jul 18 j 23:03	14°♁51'18	9°48'40
retrograde	-1021 Oct 15 j 06:00	3°♁25'38		retrograde	-1013 Oct 29 j 06:37	16°♁58'59	
opposition	-1020 Jan 01 j 19:58	2°♁14'49	6°56'09	opposition	-1012 Jan 15 j 03:45	15°♁44'59	10°36'30
min. Earth dist.	-1020 Jan 04 j 17:58	2°♁10'41	35.85473 AU	min. Earth dist.	-1012 Jan 18 j 04:17	15°♁40'28	33.82419 AU
direct	-1020 Mar 23 j 05:32	1°♁01'37		direct	-1012 Apr 05 j 07:07	14°♁28'06	
max. Earth dist.	-1020 Jul 02 j 16:43	2°♁56'35	37.71126 AU	max. Earth dist.	-1012 Jul 16 j 17:48	16°♁33'14	35.66832 AU
conjunction	-1020 Jul 06 j 00:07	3°♁02'35	6°47'24	conjunction	-1012 Jul 20 j 02:06	16°♁39'47	10°14'02
minimum elong	-1020 Jul 05 j 23:53	3°♁02'34	6°47'24	minimum elong	-1012 Jul 20 j 01:46	16°♁39'45	10°14'03
retrograde	-1020 Oct 16 j 01:41	5°♁01'49		retrograde	-1012 Oct 30 j 10:03	18°♁48'47	
opposition	-1019 Jan 02 j 15:44	3°♁50'36	7°23'45	opposition	-1011 Jan 16 j 05:00	17°♁34'25	11°03'30
min. Earth dist.	-1019 Jan 05 j 15:00	3°♁46'22	35.59617 AU	min. Earth dist.	-1011 Jan 19 j 04:44	17°♁29'55	33.57972 AU
direct	-1019 Mar 25 j 01:28	2°♁36'56		direct	-1011 Apr 07 j 06:52	16°♁17'04	
				max. Earth dist.	-1011 Jul 18 j 20:26	18°♁23'33	35.42170 AU
				conjunction	-1011 Jul 22 j 05:36	18°♁30'14	10°39'11

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Attention, astronomical year style is used: The year -1011 in astronomical counting style is the year 1012 BCE in historical counting style.

minimum elong	-1011 Jul 22 j 05:14	18° \mathfrak{E} 30'13	10°39'13	conjunction	-1003 Aug 07 j 12:48	4° \mathfrak{Q} 24'04	13°45'25
retrograde	-1011 Nov 01 j 13:26	20° \mathfrak{E} 40'35		minimum elong	-1003 Aug 07 j 12:24	4° \mathfrak{Q} 24'02	13°45'26
opposition	-1010 Jan 18 j 07:11	19° \mathfrak{E} 25'50	11°30'16	retrograde	-1003 Nov 18 j 04:51	6° \mathfrak{Q} 45'24	
min. Earth dist.	-1010 Jan 21 j 08:08	19° \mathfrak{E} 21'14	33.33683 AU	opposition	-1002 Feb 03 j 06:02	5° \mathfrak{Q} 27'10	14°48'00
direct	-1010 Apr 09 j 06:18	18° \mathfrak{E} 08'02		min. Earth dist.	-1002 Feb 06 j 02:58	5° \mathfrak{Q} 22'36	31.49615 AU
max. Earth dist.	-1010 Jul 21 j 01:42	20° \mathfrak{E} 16'01	35.17669 AU	direct	-1002 Apr 24 j 22:26	4° \mathfrak{Q} 05'31	
				max. Earth dist.	-1002 Aug 06 j 18:52	6° \mathfrak{Q} 25'20	33.32736 AU
conjunction	-1010 Jul 24 j 09:54	20° \mathfrak{E} 22'41	11°04'04				
minimum elong	-1010 Jul 24 j 09:33	20° \mathfrak{E} 22'40	11°04'04	conjunction	-1002 Aug 09 j 23:09	6° \mathfrak{Q} 32'12	14°05'46
retrograde	-1010 Nov 03 j 18:24	22° \mathfrak{E} 34'24		minimum elong	-1002 Aug 09 j 22:46	6° \mathfrak{Q} 32'10	14°05'46
opposition	-1009 Jan 20 j 10:08	21° \mathfrak{E} 19'13	11°56'43	retrograde	-1002 Nov 20 j 15:57	8° \mathfrak{Q} 54'57	
min. Earth dist.	-1009 Jan 23 j 10:21	21° \mathfrak{E} 14'39	33.09557 AU	opposition	-1001 Feb 05 j 15:49	7° \mathfrak{Q} 36'20	15°09'30
direct	-1009 Apr 11 j 08:10	20° \mathfrak{E} 00'58		min. Earth dist.	-1001 Feb 08 j 12:33	7° \mathfrak{Q} 31'45	31.28875 AU
max. Earth dist.	-1009 Jul 23 j 05:27	22° \mathfrak{E} 10'16	34.93335 AU	direct	-1001 Apr 27 j 05:22	6° \mathfrak{Q} 14'17	
				max. Earth dist.	-1001 Aug 09 j 08:27	8° \mathfrak{Q} 35'46	33.12005 AU
conjunction	-1009 Jul 26 j 14:50	22° \mathfrak{E} 17'06	11°28'36				
minimum elong	-1009 Jul 26 j 14:27	22° \mathfrak{E} 17'04	11°28'37	conjunction	-1001 Aug 12 j 10:19	8° \mathfrak{Q} 42'30	14°25'14
retrograde	-1009 Nov 06 j 01:21	24° \mathfrak{E} 30'11		minimum elong	-1001 Aug 12 j 09:56	8° \mathfrak{Q} 42'27	14°25'15
opposition	-1008 Jan 22 j 13:53	23° \mathfrak{E} 14'34	12°22'50	retrograde	-1001 Nov 23 j 03:46	11° \mathfrak{Q} 06'39	
min. Earth dist.	-1008 Jan 25 j 14:47	23° \mathfrak{E} 09'55	32.85627 AU	opposition	-1000 Feb 08 j 02:32	9° \mathfrak{Q} 47'42	15°30'02
direct	-1008 Apr 12 j 09:21	21° \mathfrak{E} 55'49		min. Earth dist.	-1000 Feb 10 j 21:49	9° \mathfrak{Q} 43'11	31.08744 AU
max. Earth dist.	-1008 Jul 24 j 12:28	24° \mathfrak{E} 06'39	34.69202 AU	direct	-1000 Apr 28 j 15:19	8° \mathfrak{Q} 25'15	
				max. Earth dist.	-1000 Aug 10 j 20:33	10° \mathfrak{Q} 48'13	32.91884 AU
conjunction	-1008 Jul 27 j 20:46	24° \mathfrak{E} 13'27	11°52'46				
minimum elong	-1008 Jul 27 j 20:24	24° \mathfrak{E} 13'25	11°52'46	conjunction	-1000 Aug 13 j 22:17	10° \mathfrak{Q} 54'59	14°43'43
retrograde	-1008 Nov 07 j 08:02	26° \mathfrak{E} 27'53		minimum elong	-1000 Aug 13 j 21:55	10° \mathfrak{Q} 54'57	14°43'44
opposition	-1007 Jan 23 j 18:26	25° \mathfrak{E} 11'51	12°48'31	retrograde	-1000 Nov 24 j 18:15	13° \mathfrak{Q} 20'35	
min. Earth dist.	-1007 Jan 26 j 19:06	25° \mathfrak{E} 07'11	32.61921 AU	opposition	-999 Feb 09 j 14:07	12° \mathfrak{Q} 01'16	15°49'30
direct	-1007 Apr 14 j 14:50	23° \mathfrak{E} 52'36		min. Earth dist.	-999 Feb 12 j 08:39	11° \mathfrak{Q} 56'47	30.89215 AU
max. Earth dist.	-1007 Jul 26 j 18:25	26° \mathfrak{E} 04'48	34.45338 AU	direct	-999 May 01 j 00:26	10° \mathfrak{Q} 38'27	
				max. Earth dist.	-999 Aug 13 j 11:42	13° \mathfrak{Q} 03'04	32.72351 AU
conjunction	-1007 Jul 30 j 03:18	26° \mathfrak{E} 11'44	12°16'29				
minimum elong	-1007 Jul 30 j 02:54	26° \mathfrak{E} 11'42	12°16'30	conjunction	-999 Aug 16 j 11:15	13° \mathfrak{Q} 09'42	15°01'11
retrograde	-1007 Nov 09 j 17:43	28° \mathfrak{E} 27'31		minimum elong	-999 Aug 16 j 10:53	13° \mathfrak{Q} 09'40	15°01'13
opposition	-1006 Jan 25 j 23:49	27° \mathfrak{E} 11'01	13°13'43				
min. Earth dist.	-1006 Jan 28 j 23:59	27° \mathfrak{E} 06'22	32.38534 AU	retrograde	-999 Nov 27 j 08:14	15° \mathfrak{Q} 36'40	
direct	-1006 Apr 16 j 20:40	25° \mathfrak{E} 51'16					
max. Earth dist.	-1006 Jul 29 j 02:46	28° \mathfrak{E} 05'01	34.21807 AU	opposition	-998 Jan 15 j 04:08	15° \mathfrak{R} \mathfrak{Q}	
				min. Earth dist.	-998 Feb 12 j 02:52	14° \mathfrak{Q} 17'01	16°07'52
conjunction	-1006 Aug 01 j 10:31	28° \mathfrak{E} 11'55	12°39'41	min. Earth dist.	-998 Feb 14 j 20:33	14° \mathfrak{Q} 12'35	30.70248 AU
minimum elong	-1006 Aug 01 j 10:08	28° \mathfrak{E} 11'52	12°39'41	direct	-998 May 03 j 12:41	12° \mathfrak{Q} 53'51	
retrograde	-1006 Sep 29 j 22:19	0° \mathfrak{Q}		max. Earth dist.	-998 Aug 07 j 03:13	15° \mathfrak{Q}	
opposition	-1006 Nov 12 j 00:45	0° \mathfrak{Q} 29'04					
				conjunction	-998 Aug 19 j 00:40	15° \mathfrak{Q} 26'33	15°17'34
opposition	-1005 Jan 28 j 06:09	29° \mathfrak{E} 12'07	13°38'21	minimum elong	-998 Aug 19 j 00:19	15° \mathfrak{Q} 26'31	15°17'33
min. Earth dist.	-1005 Jan 31 j 06:30	29° \mathfrak{E} 07'25	32.15522 AU	retrograde	-998 Nov 30 j 01:13	17° \mathfrak{Q} 54'54	
direct	-1005 Apr 19 j 02:28	27° \mathfrak{E} 51'52		opposition	-997 Feb 14 j 16:21	16° \mathfrak{Q} 34'54	16°25'01
				min. Earth dist.	-997 Feb 17 j 08:26	16° \mathfrak{Q} 30'32	30.51858 AU
max. Earth dist.	-1005 Jul 31 j 11:25	0° \mathfrak{Q} 07'05	33.98711 AU	direct	-997 May 06 j 02:02	15° \mathfrak{Q} 11'22	
				max. Earth dist.	-997 Aug 18 j 18:01	17° \mathfrak{Q} 38'59	32.35036 AU
conjunction	-1005 Aug 03 j 18:27	0° \mathfrak{Q} 14'00	13°02'17				
minimum elong	-1005 Aug 03 j 18:03	0° \mathfrak{Q} 13'58	13°02'18	conjunction	-997 Aug 21 j 15:11	17° \mathfrak{Q} 45'30	15°32'46
retrograde	-1005 Nov 14 j 09:40	2° \mathfrak{Q} 32'32		minimum elong	-997 Aug 21 j 14:51	17° \mathfrak{Q} 45'28	15°32'47
opposition	-1004 Jan 30 j 13:03	1° \mathfrak{Q} 15'08	14°02'20	retrograde	-997 Dec 02 j 15:53	20° \mathfrak{Q} 15'09	
min. Earth dist.	-1004 Feb 02 j 11:55	1° \mathfrak{Q} 10'30	31.92988 AU	opposition	-996 Feb 17 j 06:45	18° \mathfrak{Q} 54'49	16°40'54
				min. Earth dist.	-996 Feb 19 j 22:36	18° \mathfrak{Q} 50'27	30.34041 AU
direct	-1004 Apr 01 j 00:29	30° \mathfrak{R} \mathfrak{E}		direct	-996 May 07 j 15:18	17° \mathfrak{Q} 30'56	
				max. Earth dist.	-996 Aug 20 j 10:27	19° \mathfrak{Q} 59'58	32.17292 AU
max. Earth dist.	-1004 Apr 20 j 09:15	29° \mathfrak{E} 54'23					
conjunction	-1004 May 09 j 10:56	0° \mathfrak{Q}		conjunction	-996 Aug 23 j 06:18	20° \mathfrak{Q} 06'25	15°46'43
				minimum elong	-996 Aug 23 j 05:59	20° \mathfrak{Q} 06'23	15°46'43
max. Earth dist.	-1004 Aug 01 j 20:50	2° \mathfrak{Q} 11'06	33.76115 AU	retrograde	-996 Dec 04 j 09:10	22° \mathfrak{Q} 37'20	
				opposition	-995 Feb 18 j 21:59	21° \mathfrak{Q} 16'40	16°55'26
conjunction	-1004 Aug 05 j 03:19	2° \mathfrak{Q} 18'02	13°24'13	min. Earth dist.	-995 Feb 21 j 11:34	21° \mathfrak{Q} 12'26	30.16844 AU
minimum elong	-1004 Aug 05 j 02:55	2° \mathfrak{Q} 18'00	13°24'14	direct	-995 May 10 j 06:27	19° \mathfrak{Q} 52'26	
retrograde	-1004 Nov 15 j 18:47	4° \mathfrak{Q} 37'57		max. Earth dist.	-995 Aug 23 j 03:42	22° \mathfrak{Q} 22'51	32.00197 AU
opposition	-1003 Jan 31 j 21:09	3° \mathfrak{Q} 20'08	14°25'35				
min. Earth dist.	-1003 Feb 03 j 20:08	3° \mathfrak{Q} 15'27	31.70999 AU				
direct	-1003 Apr 22 j 14:44	1° \mathfrak{Q} 58'55					
max. Earth dist.	-1003 Aug 04 j 08:11	4° \mathfrak{Q} 17'14	33.54112 AU				

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Attention, astronomical year style is used: The year -995 in astronomical counting style is the year 996 BCE in historical counting style.

conjunction	-995 Aug 25 j 22:03	22°♁29'12	15°59'21	conjunction	-987 Sep 14 j 22:53	12°♃26'41	16°42'51
minimum elong	-995 Aug 25 j 21:46	22°♁29'11	15°59'22	minimum elong	-987 Sep 14 j 22:52	12°♃26'41	16°42'52
retrograde	-995 Dec 07 j 02:08	25°♁01'21		retrograde	-987 Dec 27 j 09:54	15°♃06'16	
opposition	-994 Feb 21 j 14:12	23°♁40'19	17°08'29	opposition	-986 Mar 14 j 00:06	13°♃43'17	17°49'52
min. Earth dist.	-994 Feb 24 j 03:19	23°♁36'07	30.00318 AU	min. Earth dist.	-986 Mar 15 j 17:36	13°♃40'22	29.00658 AU
direct	-994 May 12 j 20:31	22°♁15'45		direct	-986 Jun 01 j 22:26	12°♃17'05	
max. Earth dist.	-994 Aug 25 j 22:29	24°♁47'34	31.83844 AU	max. Earth dist.	-986 Sep 16 j 00:55	14°♃57'43	30.87527 AU
conjunction	-994 Aug 28 j 14:25	24°♁53'45	16°10'35	conjunction	-986 Sep 17 j 18:57	15°♃01'58	16°40'11
minimum elong	-994 Aug 28 j 14:09	24°♁53'43	16°10'35	minimum elong	-986 Sep 17 j 18:58	15°♃01'58	16°40'11
retrograde	-994 Dec 09 j 19:08	27°♁27'02		retrograde	-986 Dec 30 j 06:00	17°♃42'06	
opposition	-993 Feb 24 j 06:56	26°♁05'41	17°20'00	opposition	-985 Mar 16 j 21:57	16°♃19'00	17°46'13
min. Earth dist.	-993 Feb 26 j 17:18	26°♁01'38	29.84538 AU	min. Earth dist.	-985 Mar 18 j 13:49	16°♃16'12	28.92692 AU
direct	-993 May 15 j 13:02	24°♁40'47		direct	-985 Jun 04 j 19:36	14°♃52'45	
max. Earth dist.	-993 Aug 28 j 16:47	27°♁13'50	31.68291 AU	max. Earth dist.	-985 Sep 18 j 23:37	17°♃34'02	30.80130 AU
conjunction	-993 Aug 31 j 07:19	27°♁19'56	16°20'18	conjunction	-985 Sep 20 j 15:10	17°♃38'02	16°35'38
minimum elong	-993 Aug 31 j 07:05	27°♁19'54	16°20'19	minimum elong	-985 Sep 20 j 15:14	17°♃38'02	16°35'38
retrograde	-993 Dec 12 j 12:00	29°♁54'19		retrograde	-984 Jan 02 j 04:23	20°♃18'37	
opposition	-992 Feb 27 j 00:36	28°♁32'38	17°29'52	opposition	-984 Mar 18 j 20:08	18°♃55'25	17°40'32
min. Earth dist.	-992 Feb 29 j 09:55	28°♁28'39	29.69588 AU	min. Earth dist.	-984 Mar 20 j 08:20	18°♃52'52	28.85686 AU
direct	-992 May 17 j 04:35	27°♁07'25		direct	-984 Jun 06 j 18:18	17°♃29'07	
max. Earth dist.	-992 Aug 30 j 13:44	29°♁41'51	31.53638 AU	max. Earth dist.	-984 Sep 20 j 23:02	20°♃10'58	30.73711 AU
conjunction	-992 Sep 02 j 00:48	29°♁47'38	16°28'26	conjunction	-984 Sep 22 j 11:36	20°♃14'41	16°29'10
minimum elong	-992 Sep 02 j 00:36	29°♁47'37	16°28'26	minimum elong	-984 Sep 22 j 11:41	20°♃14'41	16°29'10
	-992 Sep 07 j 07:11	0°♃		retrograde	-983 Jan 04 j 01:36	22°♃55'37	
retrograde	-992 Dec 14 j 05:38	2°♃23'02		opposition	-983 Mar 21 j 18:47	21°♃32'18	17°32'48
opposition	-991 Feb 28 j 18:55	1°♃01'04	17°37'59	min. Earth dist.	-983 Mar 23 j 05:13	21°♃29'52	28.79641 AU
min. Earth dist.	-991 Mar 03 j 01:22	0°♃57'16	29.55543 AU	direct	-983 Jun 09 j 16:10	20°♃06'00	
	-991 Apr 10 j 09:49	30°♃♁		max. Earth dist.	-983 Sep 23 j 22:42	22°♃48'18	30.68309 AU
direct	-991 May 19 j 22:06	29°♁35'35		conjunction	-983 Sep 25 j 08:05	22°♃51'41	16°20'48
	-991 Jun 27 j 10:49	0°♃		minimum elong	-983 Sep 25 j 08:14	22°♃51'42	16°20'49
max. Earth dist.	-991 Sep 02 j 09:19	2°♃11'08	31.39968 AU	retrograde	-982 Jan 06 j 23:26	25°♃32'51	
conjunction	-991 Sep 04 j 18:43	2°♃16'47	16°34'54	opposition	-982 Mar 24 j 17:31	24°♃09'27	17°23'00
minimum elong	-991 Sep 04 j 18:33	2°♃16'46	16°34'55	min. Earth dist.	-982 Mar 26 j 00:09	24°♃07'17	28.74577 AU
retrograde	-991 Dec 17 j 00:54	4°♃53'11		direct	-982 Jun 12 j 16:09	22°♃43'08	
opposition	-990 Mar 03 j 13:59	3°♃30'56	17°44'16	max. Earth dist.	-982 Sep 26 j 21:47	25°♃25'43	30.63927 AU
min. Earth dist.	-990 Mar 05 j 18:19	3°♃27'16	29.42506 AU	conjunction	-982 Sep 28 j 04:27	25°♃28'50	16°10'33
direct	-990 May 22 j 14:22	2°♃05'13		minimum elong	-982 Sep 28 j 04:37	25°♃28'51	16°10'32
max. Earth dist.	-990 Sep 05 j 07:42	4°♃42'02	31.27356 AU	retrograde	-981 Jan 09 j 19:37	28°♃10'07	
conjunction	-990 Sep 07 j 13:07	4°♃47'20	16°39'37	opposition	-981 Mar 27 j 16:24	26°♃46'38	17°11'09
minimum elong	-990 Sep 07 j 12:59	4°♃47'19	16°39'37	min. Earth dist.	-981 Mar 28 j 20:55	26°♃44'38	28.70531 AU
retrograde	-990 Dec 19 j 18:58	7°♃24'38		direct	-981 Jun 15 j 13:47	25°♃20'20	
opposition	-989 Mar 06 j 09:42	6°♃02'10	17°48'38	max. Earth dist.	-981 Sep 29 j 22:07	28°♃03'13	30.60620 AU
min. Earth dist.	-989 Mar 08 j 11:21	5°♃58'41	29.30495 AU	conjunction	-981 Oct 01 j 00:49	28°♃05'56	15°58'23
direct	-989 May 25 j 10:09	4°♃36'17		minimum elong	-981 Oct 01 j 01:03	28°♃05'57	15°58'23
max. Earth dist.	-989 Sep 08 j 04:17	7°♃14'05	31.15822 AU		-981 Nov 21 j 18:36	0°♁	
conjunction	-989 Sep 10 j 07:57	7°♃19'14	16°42'33	retrograde	-980 Jan 12 j 16:07	0°♁47'12	
minimum elong	-989 Sep 10 j 07:52	7°♃19'13	16°42'33		-980 Mar 07 j 10:00	30°♃♁	
retrograde	-989 Dec 22 j 15:58	9°♃57'22		opposition	-980 Mar 29 j 15:09	29°♃23'40	16°57'15
opposition	-988 Mar 08 j 05:46	8°♃34'42	17°51'03	min. Earth dist.	-980 Mar 30 j 16:01	29°♃21'55	28.67541 AU
min. Earth dist.	-988 Mar 10 j 04:37	8°♃31'25	29.19537 AU	direct	-980 Jun 17 j 13:45	27°♃57'25	
direct	-988 May 27 j 05:02	7°♃08'40			-980 Sep 15 j 03:34	0°♁	
max. Earth dist.	-988 Sep 10 j 03:37	9°♃47'36	31.05353 AU	conjunction	-980 Oct 02 j 20:55	0°♁42'47	15°44'21
conjunction	-988 Sep 12 j 03:23	9°♃52'23	16°43'38	minimum elong	-980 Oct 02 j 21:09	0°♁42'48	15°44'20
minimum elong	-988 Sep 12 j 03:19	9°♃52'23	16°43'37	max. Earth dist.	-980 Oct 01 j 20:52	0°♁40'20	30.58434 AU
retrograde	-988 Dec 24 j 11:27	12°♃31'18		retrograde	-979 Jan 14 j 12:50	3°♁23'58	
opposition	-987 Mar 11 j 02:45	11°♃08'28	17°51'28	opposition	-979 Apr 01 j 14:07	2°♁00'23	16°41'20
min. Earth dist.	-987 Mar 12 j 23:34	11°♃05'19	29.09594 AU	min. Earth dist.	-979 Apr 02 j 11:52	1°♁58'51	28.65697 AU
direct	-987 May 30 j 00:25	9°♃42'21		direct	-979 Jun 20 j 11:05	0°♁34'12	
max. Earth dist.	-987 Sep 13 j 01:18	12°♃22'06	30.95935 AU	conjunction	-979 Oct 05 j 16:45	3°♁19'13	15°28'27

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Attention, astronomical year style is used: The year -979 in astronomical counting style is the year 980 BCE in historical counting style.

minimum elong	-979 Oct 05 j 17:03	3° <u>♁</u> 19'15	15°28'26	opposition	-970 Apr 25 j 17:44	24° <u>♁</u> 59'41	12°56'37
max. Earth dist.	-979 Oct 04 j 21:24	3° <u>♁</u> 17'15	30.57448 AU	min. Earth dist.	-970 Apr 25 j 09:13	25° <u>♁</u> 00'16	29.01979 AU
retrograde	-978 Jan 17 j 07:23	6° <u>♁</u> 00'13		direct	-970 Jul 14 j 15:14	23° <u>♁</u> 35'48	
opposition	-978 Apr 04 j 12:58	4° <u>♁</u> 36'39	16°23'24				
min. Earth dist.	-978 Apr 05 j 07:06	4° <u>♁</u> 35'23	28.65040 AU	conjunction	-970 Oct 28 j 11:19	26° <u>♁</u> 13'43	11°51'50
direct	-978 Jun 23 j 11:00	3° <u>♁</u> 10'36		minimum elong	-970 Oct 28 j 11:43	26° <u>♁</u> 13'45	11°51'50
				max. Earth dist.	-970 Oct 28 j 22:31	26° <u>♁</u> 14'49	31.01950 AU
conjunction	-978 Oct 08 j 12:19	5° <u>♁</u> 55'10	15°10'43	retrograde	-969 Feb 09 j 05:52	28° <u>♁</u> 49'25	
minimum elong	-978 Oct 08 j 12:36	5° <u>♁</u> 55'12	15°10'42	opposition	-969 Apr 28 j 13:08	27° <u>♁</u> 27'15	12°24'22
max. Earth dist.	-978 Oct 07 j 19:35	5° <u>♁</u> 53'28	30.57709 AU	min. Earth dist.	-969 Apr 28 j 01:06	27° <u>♁</u> 28'05	29.11196 AU
retrograde	-977 Jan 20 j 03:42	8° <u>♁</u> 35'54		direct	-969 Jul 17 j 13:16	26° <u>♁</u> 03'41	
opposition	-977 Apr 07 j 11:26	7° <u>♁</u> 12'23	16°03'30				
min. Earth dist.	-977 Apr 08 j 01:40	7° <u>♁</u> 11'23	28.65635 AU	conjunction	-969 Oct 31 j 02:48	28° <u>♁</u> 40'25	11°21'17
direct	-977 Jun 26 j 08:06	5° <u>♁</u> 46'29		minimum elong	-969 Oct 31 j 03:12	28° <u>♁</u> 40'28	11°21'16
				max. Earth dist.	-969 Oct 31 j 16:23	28° <u>♁</u> 41'45	31.12021 AU
conjunction	-977 Oct 11 j 07:46	8° <u>♁</u> 30'33	14°51'12		-969 Dec 05 j 14:48	0° <u>♁</u>	
minimum elong	-977 Oct 11 j 08:06	8° <u>♁</u> 30'35	14°51'11	retrograde	-968 Feb 11 j 22:21	1° <u>♁</u> 15'09	
max. Earth dist.	-977 Oct 10 j 19:51	8° <u>♁</u> 29'20	30.59242 AU		-968 Apr 26 j 03:20	30° <u>♁</u>	
retrograde	-976 Jan 22 j 22:18	11° <u>♁</u> 10'56		opposition	-968 Apr 30 j 08:08	29° <u>♁</u> 53'10	11°51'04
opposition	-976 Apr 09 j 09:56	9° <u>♁</u> 47'31	15°41'43	min. Earth dist.	-968 Apr 29 j 17:13	29° <u>♁</u> 54'11	29.21354 AU
min. Earth dist.	-976 Apr 09 j 21:09	9° <u>♁</u> 46'44	28.67457 AU	direct	-968 Jul 19 j 08:41	28° <u>♁</u> 29'55	
direct	-976 Jun 28 j 05:51	8° <u>♁</u> 21'51			-968 Oct 03 j 20:27	0° <u>♁</u>	
				conjunction	-968 Nov 01 j 17:32	1° <u>♁</u> 05'23	10°49'46
conjunction	-976 Oct 13 j 02:36	11° <u>♁</u> 05'17	14°29'58	minimum elong	-968 Nov 01 j 17:55	1° <u>♁</u> 05'25	10°49'46
minimum elong	-976 Oct 13 j 02:56	11° <u>♁</u> 05'19	14°29'58	max. Earth dist.	-968 Nov 02 j 11:01	1° <u>♁</u> 07'05	31.23036 AU
max. Earth dist.	-976 Oct 12 j 17:23	11° <u>♁</u> 04'21	30.62024 AU	retrograde	-967 Feb 13 j 11:00	3° <u>♁</u> 39'05	
retrograde	-975 Jan 24 j 18:24	13° <u>♁</u> 45'15		min. Earth dist.	-967 May 02 j 08:33	2° <u>♁</u> 18'31	29.32459 AU
opposition	-975 Apr 12 j 08:07	12° <u>♁</u> 21'58	15°18'07	opposition	-967 May 03 j 02:29	2° <u>♁</u> 17'19	11°16'48
min. Earth dist.	-975 Apr 12 j 14:57	12° <u>♁</u> 21'29	28.70499 AU	direct	-967 Jul 22 j 04:58	0° <u>♁</u> 54'23	
direct	-975 Jul 01 j 04:05	10° <u>♁</u> 56'33					
				conjunction	-967 Nov 04 j 07:28	3° <u>♁</u> 28'32	10°17'24
conjunction	-975 Oct 15 j 21:17	13° <u>♁</u> 39'18	14°07'07	minimum elong	-967 Nov 04 j 07:51	3° <u>♁</u> 28'34	10°17'24
minimum elong	-975 Oct 15 j 21:40	13° <u>♁</u> 39'20	14°07'07	max. Earth dist.	-967 Nov 05 j 03:10	3° <u>♁</u> 30'27	31.35012 AU
max. Earth dist.	-975 Oct 15 j 16:41	13° <u>♁</u> 38'50	30.66008 AU	retrograde	-966 Feb 16 j 00:46	6° <u>♁</u> 01'09	
retrograde	-974 Jan 27 j 12:28	16° <u>♁</u> 18'46		opposition	-966 May 05 j 19:58	4° <u>♁</u> 39'36	10°41'39
opposition	-974 Apr 15 j 06:05	14° <u>♁</u> 55'38	14°52'49	min. Earth dist.	-966 May 04 j 22:21	4° <u>♁</u> 41'04	29.44573 AU
min. Earth dist.	-974 Apr 15 j 10:26	14° <u>♁</u> 55'20	28.74700 AU	direct	-966 Jul 24 j 22:20	3° <u>♁</u> 17'01	
direct	-974 Jul 04 j 01:48	13° <u>♁</u> 30'30					
				conjunction	-966 Nov 06 j 20:47	5° <u>♁</u> 49'51	9°44'16
conjunction	-974 Oct 18 j 15:22	16° <u>♁</u> 12'27	13°42'44	minimum elong	-966 Nov 06 j 21:09	5° <u>♁</u> 49'53	9°44'16
minimum elong	-974 Oct 18 j 15:44	16° <u>♁</u> 12'29	13°42'44	max. Earth dist.	-966 Nov 07 j 20:45	5° <u>♁</u> 52'09	31.47993 AU
max. Earth dist.	-974 Oct 18 j 13:25	16° <u>♁</u> 12'15	30.71144 AU	retrograde	-965 Feb 18 j 12:18	8° <u>♁</u> 21'22	
retrograde	-973 Jan 30 j 08:09	18° <u>♁</u> 51'20		opposition	-965 May 08 j 12:50	7° <u>♁</u> 00'04	10°05'45
opposition	-973 Apr 18 j 03:33	17° <u>♁</u> 28'23	14°25'54	min. Earth dist.	-965 May 07 j 12:44	7° <u>♁</u> 01'41	29.57696 AU
min. Earth dist.	-973 Apr 18 j 03:31	17° <u>♁</u> 28'23	28.80003 AU	direct	-965 Jul 27 j 15:57	5° <u>♁</u> 37'50	
direct	-973 Jul 06 j 23:09	16° <u>♁</u> 03'33					
				conjunction	-965 Nov 09 j 09:15	8° <u>♁</u> 09'19	9°10'28
conjunction	-973 Oct 21 j 09:09	18° <u>♁</u> 44'37	13°16'55	minimum elong	-965 Nov 09 j 09:37	8° <u>♁</u> 09'21	9°10'27
minimum elong	-973 Oct 21 j 09:34	18° <u>♁</u> 44'40	13°16'54	max. Earth dist.	-965 Nov 10 j 11:21	8° <u>♁</u> 11'49	31.61980 AU
max. Earth dist.	-973 Oct 21 j 11:02	18° <u>♁</u> 44'49	30.77348 AU	retrograde	-964 Feb 21 j 01:07	10° <u>♁</u> 39'44	
retrograde	-972 Feb 02 j 02:08	21° <u>♁</u> 22'50		min. Earth dist.	-964 May 09 j 00:30	9° <u>♁</u> 20'36	29.71839 AU
opposition	-972 Apr 20 j 00:44	20° <u>♁</u> 00'05	13°57'29	opposition	-964 May 10 j 04:51	9° <u>♁</u> 18'43	9°29'11
min. Earth dist.	-972 Apr 19 j 22:34	20° <u>♁</u> 00'14	28.86345 AU	direct	-964 Jul 29 j 07:56	7° <u>♁</u> 56'53	
direct	-972 Jul 08 j 20:48	18° <u>♁</u> 35'34					
				conjunction	-964 Nov 10 j 21:09	10° <u>♁</u> 27'02	8°36'06
conjunction	-972 Oct 23 j 02:26	21° <u>♁</u> 15'40	12°49'45	minimum elong	-964 Nov 10 j 21:29	10° <u>♁</u> 27'03	8°36'05
minimum elong	-972 Oct 23 j 02:50	21° <u>♁</u> 15'42	12°49'45	max. Earth dist.	-964 Nov 12 j 03:14	10° <u>♁</u> 29'53	31.76954 AU
max. Earth dist.	-972 Oct 23 j 07:12	21° <u>♁</u> 16'08	30.84588 AU	retrograde	-963 Feb 22 j 11:41	12° <u>♁</u> 56'21	
retrograde	-971 Feb 03 j 21:01	23° <u>♁</u> 53'07		opposition	-963 May 12 j 20:22	11° <u>♁</u> 35'37	8°52'04
opposition	-971 Apr 22 j 21:27	22° <u>♁</u> 30'34	13°27'41	min. Earth dist.	-963 May 11 j 13:56	11° <u>♁</u> 37'38	29.86963 AU
min. Earth dist.	-971 Apr 22 j 15:12	22° <u>♁</u> 30'59	28.93682 AU	direct	-963 Jul 31 j 23:16	10° <u>♁</u> 14'13	
direct	-971 Jul 11 j 19:32	21° <u>♁</u> 06'22					
				conjunction	-963 Nov 13 j 08:11	12° <u>♁</u> 43'00	8°01'14
conjunction	-971 Oct 25 j 19:06	23° <u>♁</u> 45'25	12°21'22	minimum elong	-963 Nov 13 j 08:30	12° <u>♁</u> 43'02	8°01'13
minimum elong	-971 Oct 25 j 19:30	23° <u>♁</u> 45'27	12°21'21	max. Earth dist.	-963 Nov 14 j 16:28	12° <u>♁</u> 46'03	31.92870 AU
max. Earth dist.	-971 Oct 26 j 02:59	23° <u>♁</u> 46'12	30.92793 AU		-962 Jan 29 j 21:17	15° <u>♁</u>	
retrograde	-970 Feb 06 j 13:32	26° <u>♁</u> 22'03					

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Attention, astronomical year style is used: The year -962 in astronomical counting style is the year 963 BCE in historical counting style.

retrograde	-962 Feb 24 j 23:45	15°♄11'12		conjunction	-955 Nov 30 j 00:44	29°♄48'58	3°16'11
	-962 Mar 23 j 18:48	15°♄♄		minimum elong	-955 Nov 30 j 00:52	29°♄48'59	3°16'09
min. Earth dist.	-962 May 14 j 00:38	13°♄53'04	30.02999 AU	max. Earth dist.	-955 Dec 02 j 03:18	29°♄53'27	33.44643 AU
opposition	-962 May 15 j 10:59	13°♄50'49	8°14'31		-955 Dec 05 j 05:30	0°♂♂	
direct	-962 Aug 03 j 13:45	12°♄29'51		retrograde	-954 Mar 13 j 14:09	2°♂♂07'53	
				min. Earth dist.	-954 May 31 j 02:53	0°♂♂53'20	31.55454 AU
conjunction	-962 Nov 15 j 18:40	14°♄57'17	7°26'01	opposition	-954 Jun 02 j 06:00	0°♂♂50'07	3°09'44
minimum elong	-962 Nov 15 j 18:58	14°♄57'19	7°26'01		-954 Jul 08 j 08:55	30°♄♄	
	-962 Nov 16 j 23:43	15°♄		direct	-954 Aug 21 j 14:49	29°♄32'31	
max. Earth dist.	-962 Nov 17 j 06:04	15°♄00'36	32.09628 AU		-954 Oct 03 j 02:42	0°♂♂	
retrograde	-961 Feb 27 j 10:22	17°♄24'22		conjunction	-954 Dec 02 j 05:35	1°♂♂49'04	2°40'52
min. Earth dist.	-961 May 16 j 12:49	16°♄06'40	30.19873 AU	minimum elong	-954 Dec 02 j 05:42	1°♂♂49'04	2°40'51
opposition	-961 May 18 j 00:52	16°♄04'19	7°36'38	max. Earth dist.	-954 Dec 04 j 09:30	1°♂♂53'37	33.66021 AU
	-961 Jul 04 j 11:12	15°♄♄		retrograde	-953 Mar 15 j 19:10	4°♂♂06'48	
direct	-961 Aug 06 j 03:06	14°♄43'48		min. Earth dist.	-953 Jun 02 j 07:34	2°♂♂52'43	31.77000 AU
	-961 Sep 07 j 00:26	15°♄		opposition	-953 Jun 04 j 13:41	2°♂♂49'21	2°32'15
conjunction	-961 Nov 18 j 04:31	17°♄09'54	6°50'31	direct	-953 Aug 23 j 22:03	1°♂♂32'07	
minimum elong	-961 Nov 18 j 04:48	17°♄09'55	6°50'29	conjunction	-953 Dec 04 j 09:44	3°♂♂47'21	2°05'49
max. Earth dist.	-961 Nov 19 j 18:24	17°♄13'24	32.27169 AU	minimum elong	-953 Dec 04 j 09:50	3°♂♂47'21	2°05'48
retrograde	-960 Feb 29 j 21:15	19°♄35'49		max. Earth dist.	-953 Dec 06 j 15:57	3°♂♂52'04	33.87947 AU
min. Earth dist.	-960 May 17 j 22:55	18°♄18'41	30.37491 AU	retrograde	-952 Mar 16 j 23:44	6°♂♂03'57	
opposition	-960 May 19 j 14:06	18°♄16'08	6°58'30	min. Earth dist.	-952 Jun 03 j 13:24	4°♂♂50'14	31.99138 AU
direct	-960 Aug 07 j 18:29	16°♄56'04		opposition	-952 Jun 05 j 21:00	4°♂♂46'48	1°55'05
conjunction	-960 Nov 19 j 13:30	19°♄20'49	6°14'49	direct	-952 Aug 25 j 04:43	3°♂♂29'58	
minimum elong	-960 Nov 19 j 13:45	19°♄20'50	6°14'49	conjunction	-952 Dec 05 j 13:12	5°♂♂43'54	1°31'05
max. Earth dist.	-960 Nov 21 j 05:29	19°♄24'29	32.45385 AU	minimum elong	-952 Dec 05 j 13:16	5°♂♂43'54	1°31'05
retrograde	-959 Mar 03 j 08:01	21°♄45'37		max. Earth dist.	-952 Dec 07 j 21:40	5°♂♂48'46	34.10442 AU
min. Earth dist.	-959 May 20 j 09:26	20°♄28'55	30.55790 AU	retrograde	-951 Mar 19 j 03:55	7°♂♂59'22	
opposition	-959 May 22 j 02:46	20°♄26'16	6°20'15	min. Earth dist.	-951 Jun 05 j 17:28	6°♂♂46'07	32.21829 AU
direct	-959 Aug 10 j 07:01	19°♄06'39		opposition	-951 Jun 08 j 03:26	6°♂♂42'33	1°18'19
conjunction	-959 Nov 21 j 22:05	21°♄30'02	5°39'01	direct	-951 Aug 27 j 12:58	5°♂♂26'08	
minimum elong	-959 Nov 21 j 22:19	21°♄30'03	5°39'00	conjunction	-951 Dec 07 j 16:01	7°♂♂38'49	0°56'43
max. Earth dist.	-959 Nov 23 j 16:48	21°♄33'56	32.64220 AU	minimum elong	-951 Dec 07 j 16:03	7°♂♂38'49	0°56'42
retrograde	-958 Mar 05 j 15:04	23°♄53'40		max. Earth dist.	-951 Dec 10 j 01:47	7°♂♂43'45	34.33446 AU
min. Earth dist.	-958 May 22 j 19:08	22°♄37'27	30.74675 AU	retrograde	-950 Mar 21 j 08:49	9°♂♂53'10	
opposition	-958 May 24 j 14:27	22°♄34'40	5°41'57	min. Earth dist.	-950 Jun 07 j 21:05	8°♂♂40'22	32.45048 AU
direct	-958 Aug 12 j 20:33	21°♄15'29		opposition	-950 Jun 10 j 09:05	8°♂♂36'42	0°41'59
conjunction	-958 Nov 24 j 05:49	23°♄37'31	5°03'11	direct	-950 Aug 29 j 18:13	7°♂♂20'41	
minimum elong	-958 Nov 24 j 06:01	23°♄37'32	5°03'11	conjunction	-950 Dec 09 j 18:22	9°♂♂32'09	0°22'45
max. Earth dist.	-958 Nov 26 j 01:32	23°♄41'28	32.83590 AU	minimum elong	-950 Dec 09 j 18:23	9°♂♂32'09	0°22'45
retrograde	-957 Mar 07 j 23:04	25°♄59'58		max. Earth dist.	-950 Dec 12 j 06:40	9°♂♂37'16	34.56918 AU
min. Earth dist.	-957 May 25 j 03:38	24°♄44'13	30.94105 AU	retrograde	-949 Mar 23 j 09:20	11°♂♂45'25	
opposition	-957 May 27 j 01:29	24°♄41'18	5°03'41	min. Earth dist.	-949 Jun 10 j 01:06	10°♂♂33'01	32.68700 AU
direct	-957 Aug 15 j 08:15	23°♄22'32		opposition	-949 Jun 12 j 14:08	10°♂♂29'18	0°06'08
conjunction	-957 Nov 26 j 12:56	25°♄43'11	4°27'24	desc. node	-949 Aug 14 j 21:38	9°♂♂18'00	
minimum elong	-957 Nov 26 j 13:07	25°♄43'12	4°27'22	direct	-949 Sep 01 j 00:54	9°♂♂13'42	
max. Earth dist.	-957 Nov 28 j 11:37	25°♄47'23	33.03453 AU	conjunction	-949 Dec 11 j 19:50	11°♂♂23'57	0°-10'-50
retrograde	-956 Mar 09 j 04:21	28°♄04'28		minimum elong	-949 Dec 11 j 19:50	11°♂♂23'57	0°10'53
min. Earth dist.	-956 May 26 j 12:46	26°♄49'06	31.14028 AU	behind sun begin	-949 Dec 11 j 14:57	11°♂♂23'34	
opposition	-956 May 28 j 11:47	26°♄46'06	4°25'30	behind sun end	-949 Dec 12 j 00:44	11°♂♂24'21	
direct	-956 Aug 16 j 20:20	25°♄27'44		max. Earth dist.	-949 Dec 14 j 08:41	11°♂♂29'05	34.80771 AU
conjunction	-956 Nov 27 j 19:12	27°♄47'01	3°51'42	retrograde	-948 Mar 24 j 10:43	13°♂♂36'10	
minimum elong	-956 Nov 27 j 19:21	27°♄47'02	3°51'42	min. Earth dist.	-948 Jun 11 j 03:07	12°♂♂24'14	32.92728 AU
max. Earth dist.	-956 Nov 29 j 18:50	27°♄51'16	33.23800 AU	opposition	-948 Jun 13 j 18:33	12°♂♂20'23	0°-29'-12
	-955 Feb 18 j 00:37	0°♂♂♂		direct	-948 Sep 02 j 06:16	11°♂♂05'13	
retrograde	-955 Mar 11 j 10:21	0°♂♂07'07		conjunction	-948 Dec 12 j 21:03	13°♂♂14'17	0°-43'-53
	-955 Apr 02 j 06:39	30°♄♄		minimum elong	-948 Dec 12 j 21:01	13°♂♂14'17	0°43'54
min. Earth dist.	-955 May 28 j 19:08	28°♄52'13	31.34473 AU	max. Earth dist.	-948 Dec 15 j 12:20	13°♂♂19'35	35.04933 AU
opposition	-955 May 30 j 21:14	28°♄49'03	3°47'30	retrograde	-947 Mar 26 j 10:24	15°♂♂25'27	
direct	-955 Aug 19 j 06:02	27°♄31'04		min. Earth dist.	-947 Jun 13 j 06:45	14°♂♂13'52	33.17047 AU

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Attention, astronomical year style is used: The year -947 in astronomical counting style is the year 948 BCE in historical counting style.

opposition	-947 Jun 15 j 22:26	14° ♁ 10'01	-1°-4'00	conjunction	-939 Dec 28 j 06:36	28° ♁ 42'03	-5°-16'-44
direct	-947 Sep 04 j 11:10	12° ♁ 55'16		minimum elong	-939 Dec 28 j 06:26	28° ♁ 42'02	5°16'46
				max. Earth dist.	-939 Dec 31 j 06:44	28° ♁ 47'41	37.29209 AU
conjunction	-947 Dec 14 j 21:36	15° ♁ 03'09	-1°-16'-27		-938 Feb 11 j 10:50	0° ♁	
minimum elong	-947 Dec 14 j 21:33	15° ♁ 03'09	1°16'29	retrograde	-938 Apr 10 j 19:34	0° ♁ 44'28	
max. Earth dist.	-947 Dec 17 j 13:15	15° ♁ 08'26	35.29332 AU		-938 Jun 11 j 04:56	30° ♁ R ♁	
retrograde	-946 Mar 28 j 11:01	17° ♁ 13'18		min. Earth dist.	-938 Jun 29 j 03:34	29° ♁ 35'58	35.42973 AU
min. Earth dist.	-946 Jun 15 j 07:41	16° ♁ 02'09	33.41574 AU	opposition	-938 Jul 02 j 04:44	29° ♁ 31'45	-5°-49'-17
opposition	-946 Jun 18 j 01:31	15° ♁ 58'12	-1°-38'-14	direct	-938 Sep 20 j 19:27	28° ♁ 20'09	
direct	-946 Sep 06 j 14:27	14° ♁ 43'50			-938 Dec 20 j 02:44	0° ♁	
conjunction	-946 Dec 16 j 21:41	16° ♁ 50'35	-1°-48'-30	conjunction	-938 Dec 30 j 02:30	0° ♁ 18'31	-5°-44'-1
minimum elong	-946 Dec 16 j 21:38	16° ♁ 50'34	1°48'32	minimum elong	-938 Dec 30 j 02:20	0° ♁ 18'30	5°44'03
max. Earth dist.	-946 Dec 19 j 14:42	16° ♁ 55'56	35.53873 AU	max. Earth dist.	-937 Jan 02 j 03:39	0° ♁ 24'11	37.54948 AU
retrograde	-945 Mar 30 j 11:20	18° ♁ 59'42		retrograde	-937 Apr 12 j 15:54	2° ♁ 20'05	
min. Earth dist.	-945 Jun 17 j 10:07	17° ♁ 48'51	33.66246 AU	min. Earth dist.	-937 Jul 01 j 00:12	1° ♁ 11'56	35.68927 AU
opposition	-945 Jun 20 j 04:05	17° ♁ 44'55	-2°-11'-52	opposition	-937 Jul 04 j 02:26	1° ♁ 07'41	-6°-17'-37
direct	-945 Sep 08 j 16:15	16° ♁ 30'55			-937 Sep 06 j 15:06	30° ♁ R ♁	
				direct	-937 Sep 22 j 16:27	29° ♁ 56'26	
					-937 Oct 08 j 14:56	0° ♁	
conjunction	-945 Dec 18 j 21:20	18° ♁ 36'32	-2°-20'-1				
minimum elong	-945 Dec 18 j 21:15	18° ♁ 36'32	2°20'02	conjunction	-937 Dec 31 j 21:50	1° ♁ 53'54	-6°-10'-40
max. Earth dist.	-945 Dec 21 j 15:13	18° ♁ 41'55	35.78532 AU	minimum elong	-937 Dec 31 j 21:39	1° ♁ 53'54	6°10'41
retrograde	-944 Mar 31 j 11:35	20° ♁ 44'38		max. Earth dist.	-936 Jan 03 j 23:10	1° ♁ 59'33	37.80785 AU
min. Earth dist.	-944 Jun 18 j 10:43	19° ♁ 34'09	33.91017 AU	retrograde	-936 Apr 13 j 13:18	3° ♁ 54'39	
opposition	-944 Jun 21 j 06:01	19° ♁ 30'10	-2°-44'-54	min. Earth dist.	-936 Jul 01 j 20:46	2° ♁ 46'51	35.94980 AU
direct	-944 Sep 09 j 18:13	18° ♁ 16'31		opposition	-936 Jul 04 j 23:54	2° ♁ 42'35	-6°-45'-15
				direct	-936 Sep 23 j 12:51	1° ♁ 31'42	
conjunction	-944 Dec 19 j 20:08	20° ♁ 21'01	-2°-50'-58	conjunction	-935 Jan 01 j 16:53	3° ♁ 28'17	-6°-36'-40
minimum elong	-944 Dec 19 j 20:03	20° ♁ 21'00	2°50'59	minimum elong	-935 Jan 01 j 16:42	3° ♁ 28'16	6°36'42
max. Earth dist.	-944 Dec 22 j 14:32	20° ♁ 26'23	36.03267 AU	max. Earth dist.	-935 Jan 04 j 19:54	3° ♁ 34'00	38.06669 AU
retrograde	-943 Apr 02 j 11:31	22° ♁ 28'07		retrograde	-935 Apr 15 j 07:38	5° ♁ 28'12	
min. Earth dist.	-943 Jun 20 j 11:07	21° ♁ 17'57	34.15904 AU	min. Earth dist.	-935 Jul 03 j 17:55	4° ♁ 20'42	36.21032 AU
opposition	-943 Jun 23 j 07:26	21° ♁ 13'55	-3°-17'-17	opposition	-935 Jul 06 j 20:51	4° ♁ 16'27	-7°-12'-11
direct	-943 Sep 11 j 18:46	20° ♁ 00'36		direct	-935 Sep 25 j 11:30	3° ♁ 05'56	
conjunction	-943 Dec 21 j 18:39	22° ♁ 04'00	-3°-21'-20	conjunction	-934 Jan 03 j 11:34	5° ♁ 01'39	-7°-2'-2
minimum elong	-943 Dec 21 j 18:32	22° ♁ 03'59	3°21'22	minimum elong	-934 Jan 03 j 11:23	5° ♁ 01'38	7°02'03
max. Earth dist.	-943 Dec 24 j 14:52	22° ♁ 09'29	36.28110 AU	max. Earth dist.	-934 Jan 06 j 13:54	5° ♁ 07'17	38.32512 AU
retrograde	-942 Apr 04 j 08:19	24° ♁ 10'06		retrograde	-934 Apr 17 j 03:22	7° ♁ 00'46	
min. Earth dist.	-942 Jun 22 j 11:12	23° ♁ 00'13	34.40915 AU	min. Earth dist.	-934 Jul 05 j 12:57	5° ♁ 53'38	36.47024 AU
opposition	-942 Jun 25 j 07:56	22° ♁ 56'11	-3°-49'-2	opposition	-934 Jul 08 j 17:06	5° ♁ 49'20	-7°-38'-27
direct	-942 Sep 13 j 22:00	21° ♁ 43'11		direct	-934 Sep 27 j 07:45	4° ♁ 39'08	
conjunction	-942 Dec 23 j 16:23	23° ♁ 45'31	-3°-51'-7	conjunction	-933 Jan 05 j 05:57	6° ♁ 34'01	-7°-26'-46
minimum elong	-942 Dec 23 j 16:16	23° ♁ 45'31	3°51'08	minimum elong	-933 Jan 05 j 05:46	6° ♁ 34'00	7°26'49
max. Earth dist.	-942 Dec 26 j 12:34	23° ♁ 50'58	36.53091 AU	max. Earth dist.	-933 Jan 08 j 09:22	6° ♁ 39'42	38.58240 AU
retrograde	-941 Apr 06 j 06:10	25° ♁ 50'38		retrograde	-933 Apr 18 j 19:06	8° ♁ 32'21	
min. Earth dist.	-941 Jun 24 j 09:17	24° ♁ 41'09	34.66114 AU	min. Earth dist.	-933 Jul 07 j 10:01	7° ♁ 25'26	36.72877 AU
opposition	-941 Jun 27 j 07:57	24° ♁ 37'01	-4°-20'-8	opposition	-933 Jul 10 j 13:10	7° ♁ 21'12	-8°-4'-2
direct	-941 Sep 15 j 22:54	23° ♁ 24'21		direct	-933 Sep 29 j 05:34	6° ♁ 11'20	
conjunction	-941 Dec 25 j 13:35	25° ♁ 25'39	-4°-20'-17	conjunction	-932 Jan 06 j 23:52	8° ♁ 05'20	-7°-50'-54
minimum elong	-941 Dec 25 j 13:27	25° ♁ 25'38	4°20'19	minimum elong	-932 Jan 06 j 23:40	8° ♁ 05'20	7°50'55
max. Earth dist.	-941 Dec 28 j 11:56	25° ♁ 31'13	36.78255 AU	max. Earth dist.	-932 Jan 10 j 02:52	8° ♁ 10'58	38.83809 AU
retrograde	-940 Apr 07 j 01:36	27° ♁ 29'50		retrograde	-932 Apr 19 j 12:13	10° ♁ 02'54	
min. Earth dist.	-940 Jun 25 j 08:45	26° ♁ 20'37	34.91521 AU	min. Earth dist.	-932 Jul 08 j 04:34	8° ♁ 56'17	36.98544 AU
opposition	-940 Jun 28 j 07:30	26° ♁ 16'30	-4°-50'-32	opposition	-932 Jul 11 j 08:42	8° ♁ 52'01	-8°-28'-57
direct	-940 Sep 16 j 23:47	25° ♁ 04'11		direct	-932 Sep 30 j 02:02	7° ♁ 42'26	
conjunction	-940 Dec 26 j 10:22	27° ♁ 04'27	-4°-48'-50	conjunction	-931 Jan 07 j 17:25	9° ♁ 35'36	-8°-14'-24
minimum elong	-940 Dec 26 j 10:13	27° ♁ 04'26	4°48'51	minimum elong	-931 Jan 07 j 17:13	9° ♁ 35'35	8°14'26
max. Earth dist.	-940 Dec 29 j 09:07	27° ♁ 10'01	37.03637 AU	max. Earth dist.	-931 Jan 10 j 20:34	9° ♁ 41'12	39.09172 AU
retrograde	-939 Apr 08 j 21:51	29° ♁ 07'44		retrograde	-931 Apr 21 j 07:24	11° ♁ 32'23	
min. Earth dist.	-939 Jun 27 j 05:25	27° ♁ 58'56	35.17150 AU	min. Earth dist.	-931 Jul 10 j 00:09	10° ♁ 25'58	37.24030 AU
opposition	-939 Jun 30 j 06:18	27° ♁ 54'42	-5°-20'-15	opposition	-931 Jul 13 j 03:50	10° ♁ 21'45	-8°-53'-12
direct	-939 Sep 18 j 22:49	26° ♁ 42'44					

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Attention, astronomical year style is used: The year -931 in astronomical counting style is the year 932 BCE in historical counting style.

direct	-931 Oct 01 j 19:20	9°♁12'26		minimum elong	-922 Jan 20 j 14:18	22°♁22'25	11°18'14
				max. Earth dist.	-922 Jan 23 j 19:08	22°♁27'50	41.32629 AU
conjunction	-930 Jan 09 j 10:39	11°♁04'46	-8°-37'-17	retrograde	-922 May 04 j 05:17	24°♁12'59	
minimum elong	-930 Jan 09 j 10:26	11°♁04'45	8°37'19	min. Earth dist.	-922 Jul 23 j 07:09	23°♁08'45	39.48890 AU
max. Earth dist.	-930 Jan 12 j 14:24	11°♁10'21	39.34362 AU	opposition	-922 Jul 26 j 12:25	23°♁04'36	-12°-1'-44
retrograde	-930 Apr 22 j 23:52	13°♁00'45		direct	-922 Oct 15 j 04:45	21°♁57'43	
min. Earth dist.	-930 Jul 11 j 18:36	11°♁54'33	37.49339 AU	conjunction	-921 Jan 22 j 04:42	23°♁43'39	-11°-35'-39
opposition	-930 Jul 14 j 22:23	11°♁50'21	-9°-16'-47	minimum elong	-921 Jan 22 j 04:29	23°♁43'38	11°35'41
direct	-930 Oct 03 j 14:59	10°♁41'16		max. Earth dist.	-921 Jan 25 j 09:57	23°♁49'04	41.56722 AU
conjunction	-929 Jan 11 j 03:14	12°♁32'47	-8°-59'-34	retrograde	-921 May 05 j 18:09	25°♁33'37	
minimum elong	-929 Jan 11 j 03:02	12°♁32'46	8°59'36	min. Earth dist.	-921 Jul 24 j 23:55	24°♁29'32	39.73039 AU
max. Earth dist.	-929 Jan 14 j 06:21	12°♁38'18	39.59397 AU	opposition	-921 Jul 28 j 03:39	24°♁25'29	-12°-19'-32
retrograde	-929 Apr 24 j 18:11	14°♁28'00		direct	-921 Oct 16 j 21:12	23°♁18'52	
min. Earth dist.	-929 Jul 13 j 12:02	13°♁22'03	37.74545 AU	conjunction	-920 Jan 23 j 18:44	25°♁04'11	-11°-52'-33
opposition	-929 Jul 16 j 16:30	13°♁17'49	-9°-39'-42	minimum elong	-920 Jan 23 j 18:33	25°♁04'10	11°52'35
direct	-929 Oct 05 j 07:59	12°♁09'00		max. Earth dist.	-920 Jan 26 j 23:03	25°♁09'30	41.80491 AU
conjunction	-928 Jan 12 j 19:37	13°♁59'44	-9°-21'-13	retrograde	-920 May 06 j 06:52	26°♁53'33	
minimum elong	-928 Jan 12 j 19:25	13°♁59'43	9°21'14	min. Earth dist.	-920 Jul 25 j 14:18	25°♁49'44	39.96833 AU
max. Earth dist.	-928 Jan 16 j 00:13	14°♁05'19	39.84350 AU	opposition	-920 Jul 28 j 18:31	25°♁45'40	-12°-36'-47
retrograde	-928 Apr 25 j 09:16	15°♁54'11		direct	-920 Oct 17 j 13:28	24°♁39'16	
min. Earth dist.	-928 Jul 14 j 06:20	14°♁48'25	37.99686 AU	conjunction	-919 Jan 24 j 08:22	26°♁23'59	-12°-8'-56
opposition	-928 Jul 17 j 10:17	14°♁44'14	-10°-1'-57	minimum elong	-919 Jan 24 j 08:09	26°♁23'58	12°08'57
direct	-928 Oct 06 j 03:19	13°♁35'41		max. Earth dist.	-919 Jan 27 j 12:04	26°♁29'13	42.03884 AU
conjunction	-927 Jan 13 j 11:30	15°♁25'38	-9°-42'-14	retrograde	-919 May 07 j 21:50	28°♁12'46	
minimum elong	-927 Jan 13 j 11:17	15°♁25'37	9°42'16	min. Earth dist.	-919 Jul 27 j 06:05	27°♁09'05	40.20260 AU
max. Earth dist.	-927 Jan 16 j 15:35	15°♁31'09	40.09261 AU	opposition	-919 Jul 30 j 09:10	27°♁05'05	-12°-53'-27
retrograde	-927 Apr 27 j 00:28	17°♁19'22		direct	-919 Oct 19 j 03:31	25°♁58'55	
min. Earth dist.	-927 Jul 15 j 22:13	16°♁13'55	38.24791 AU	conjunction	-918 Jan 25 j 21:54	27°♁43'01	-12°-24'-46
opposition	-927 Jul 19 j 03:34	16°♁09'40	-10°-23'-32	minimum elong	-918 Jan 25 j 21:43	27°♁43'00	12°24'48
direct	-927 Oct 07 j 21:01	15°♁01'22		max. Earth dist.	-918 Jan 29 j 01:43	27°♁48'14	42.26926 AU
conjunction	-926 Jan 15 j 03:09	16°♁50'35	-10°-2'-38	retrograde	-918 May 09 j 11:57	29°♁31'12	
minimum elong	-926 Jan 15 j 02:56	16°♁50'34	10°02'39	min. Earth dist.	-918 Jul 28 j 20:38	28°♁27'40	40.43332 AU
max. Earth dist.	-926 Jan 18 j 08:05	16°♁56'08	40.34124 AU	opposition	-918 Jul 31 j 23:08	28°♁23'43	-13°-9'-35
retrograde	-926 Apr 28 j 14:44	18°♁43'39		direct	-918 Oct 20 j 16:42	27°♁17'45	
min. Earth dist.	-926 Jul 17 j 15:46	17°♁38'23	38.49854 AU	conjunction	-917 Jan 27 j 10:53	29°♁01'14	-12°-40'-5
opposition	-926 Jul 20 j 20:24	17°♁34'11	-10°-44'-27	minimum elong	-917 Jan 27 j 10:41	29°♁01'13	12°40'07
direct	-926 Oct 09 j 15:10	16°♁26'10		max. Earth dist.	-917 Jan 30 j 13:28	29°♁06'20	42.49648 AU
conjunction	-925 Jan 16 j 18:30	18°♁14'40	-10°-22'-25	retrograde	-917 Mar 06 j 07:23	0°≈	
minimum elong	-925 Jan 16 j 18:17	18°♁14'39	10°22'27	retrograde	-917 May 11 j 02:31	0°≈48'50	
max. Earth dist.	-925 Jan 19 j 23:40	18°♁20'12	40.58944 AU		-917 Jul 18 j 18:37	30°R♁	
retrograde	-925 Apr 30 j 06:20	20°♁07'04		min. Earth dist.	-917 Jul 30 j 10:15	29°♁45'28	40.66133 AU
min. Earth dist.	-925 Jul 19 j 07:32	19°♁02'06	38.74840 AU	opposition	-917 Aug 02 j 12:59	29°♁41'32	-13°-25'-8
opposition	-925 Jul 22 j 12:53	18°♁57'53	-11°-4'-43	direct	-917 Oct 22 j 05:05	28°♁35'46	
direct	-925 Oct 11 j 07:29	17°♁50'09			-916 Jan 17 j 12:20	0°≈	
conjunction	-924 Jan 18 j 09:15	19°♁37'58	-10°-41'-36	conjunction	-916 Jan 28 j 23:32	0°≈18'39	-12°-54'-52
minimum elong	-924 Jan 18 j 09:03	19°♁37'58	10°41'37	minimum elong	-916 Jan 28 j 23:21	0°≈18'39	12°54'54
max. Earth dist.	-924 Jan 21 j 14:13	19°♁43'27	40.83665 AU	max. Earth dist.	-916 Feb 01 j 03:04	0°≈23'48	42.72122 AU
retrograde	-924 Apr 30 j 23:38	21°♁29'45		retrograde	-916 May 11 j 13:02	2°≈05'40	
min. Earth dist.	-924 Jul 19 j 23:45	20°♁25'01	38.99724 AU	min. Earth dist.	-916 Jul 31 j 00:54	1°≈02'26	40.88702 AU
opposition	-924 Jul 23 j 05:11	20°♁20'49	-11°-24'-20	opposition	-916 Aug 03 j 02:31	0°≈58'33	-13°-40'-8
direct	-924 Oct 11 j 21:13	19°♁13'22			-916 Sep 29 j 02:08	30°R♁	
conjunction	-923 Jan 19 j 00:04	21°♁00'33	-11°00'-11	direct	-916 Oct 22 j 20:23	29°♁52'59	
minimum elong	-923 Jan 18 j 23:51	21°♁00'32	11°00'13		-916 Nov 15 j 08:02	0°≈	
max. Earth dist.	-923 Jan 22 j 05:58	21°♁06'04	41.08252 AU	conjunction	-915 Jan 29 j 12:03	1°≈35'18	-13°-9'-7
retrograde	-923 May 02 j 14:10	22°♁51'42		minimum elong	-915 Jan 29 j 11:51	1°≈35'17	13°09'08
min. Earth dist.	-923 Jul 21 j 16:11	21°♁47'11	39.24425 AU	max. Earth dist.	-915 Feb 01 j 14:35	1°≈40'21	42.94407 AU
opposition	-923 Jul 24 j 20:56	21°♁43'03	-11°-43'-20	retrograde	-915 May 12 j 23:50	3°≈21'45	
direct	-923 Oct 13 j 13:37	20°♁35'53		min. Earth dist.	-915 Aug 01 j 13:06	2°≈18'44	41.11095 AU
conjunction	-922 Jan 20 j 14:29	22°♁22'26	-11°-18'-12	opposition	-915 Aug 04 j 15:31	2°≈14'50	-13°-54'-34
				direct	-915 Oct 24 j 10:41	1°≈09'27	

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Attention, astronomical year style is used: The year -914 in astronomical counting style is the year 915 BCE in historical counting style.

conjunction	-914 Jan 31 j 00:15	2°51'13	-13°-22'-50	retrograde	-906 May 24 j 06:40	14°19'38	
minimum elong	-914 Jan 31 j 00:05	2°51'13	13°22'52	min. Earth dist.	-906 Aug 13 j 05:51	13°17'57	43.01227 AU
max. Earth dist.	-914 Feb 03 j 03:03	2°56'16	43.16515 AU	opposition	-906 Aug 16 j 02:10	13°14'28	-15°-41'00
retrograde	-914 May 14 j 11:09	4°37'09		direct	-906 Nov 04 j 22:19	12°10'51	
min. Earth dist.	-914 Aug 03 j 03:07	3°34'15	41.33321 AU				
opposition	-914 Aug 06 j 04:27	3°30'25	-14°-8'-26	conjunction	-905 Feb 11 j 04:52	13°48'17	-15°-4'-13
direct	-914 Oct 26 j 00:41	2°25'15		minimum elong	-905 Feb 11 j 04:46	13°48'16	15°04'15
				max. Earth dist.	-905 Feb 14 j 02:17	13°52'46	45.03670 AU
					-905 Apr 03 j 14:33	15°	
conjunction	-913 Feb 01 j 12:12	4°06'28	-13°-36'-1	retrograde	-905 May 25 j 18:20	15°29'55	
minimum elong	-913 Feb 01 j 12:02	4°06'28	13°36'02				
max. Earth dist.	-913 Feb 04 j 15:09	4°11'30	43.38470 AU	min. Earth dist.	-905 Jul 18 j 03:37	15°R	
retrograde	-913 May 15 j 22:29	5°51'53		opposition	-905 Aug 14 j 16:19	14°28'23	43.20493 AU
min. Earth dist.	-913 Aug 04 j 15:19	4°49'12	41.55364 AU	opposition	-905 Aug 17 j 12:47	14°24'54	-15°-50'-28
opposition	-913 Aug 07 j 16:58	4°45'22	-14°-21'-45	direct	-905 Nov 06 j 07:16	13°21'26	
direct	-913 Oct 27 j 14:13	3°40'24					
				conjunction	-904 Feb 12 j 15:02	14°58'25	-15°-13'-16
conjunction	-912 Feb 02 j 23:51	5°21'07	-13°-48'-41	minimum elong	-904 Feb 12 j 14:54	14°58'25	15°13'17
minimum elong	-912 Feb 02 j 23:42	5°21'06	13°48'44		-904 Feb 13 j 15:31	15°	
max. Earth dist.	-912 Feb 06 j 01:51	5°26'03	43.60239 AU	max. Earth dist.	-904 Feb 15 j 12:44	15°02'54	45.22627 AU
retrograde	-912 May 16 j 13:38	7°06'02		retrograde	-904 May 26 j 02:49	16°39'37	
min. Earth dist.	-912 Aug 05 j 03:55	6°03'32	41.77223 AU	min. Earth dist.	-904 Aug 15 j 04:22	15°38'09	43.39455 AU
opposition	-912 Aug 08 j 05:22	5°59'43	-14°-34'-33	opposition	-904 Aug 17 j 23:10	15°34'45	-15°-59'-29
direct	-912 Oct 27 j 23:33	4°54'58		direct	-904 Sep 17 j 01:32	15°R	
					-904 Nov 06 j 18:30	14°31'27	
					-904 Dec 26 j 02:33	15°	
conjunction	-911 Feb 03 j 11:26	6°35'11	-14°00'-52	conjunction	-903 Feb 13 j 01:00	16°08'00	-15°-21'-51
minimum elong	-911 Feb 03 j 11:17	6°35'11	14°00'53	minimum elong	-903 Feb 13 j 00:55	16°08'00	15°21'53
max. Earth dist.	-911 Feb 06 j 14:11	6°40'09	43.81799 AU	max. Earth dist.	-903 Feb 15 j 22:01	16°12'26	45.41322 AU
retrograde	-911 May 18 j 01:45	8°19'37		retrograde	-903 May 27 j 10:05	17°48'47	
min. Earth dist.	-911 Aug 06 j 17:11	7°17'15	41.98823 AU	min. Earth dist.	-903 Aug 16 j 13:58	16°47'29	43.58154 AU
opposition	-911 Aug 09 j 17:28	7°13'31	-14°-46'-49	opposition	-903 Aug 19 j 09:13	16°44'05	-16°-8'-3
direct	-911 Oct 29 j 11:13	6°08'59		direct	-903 Nov 08 j 07:08	15°40'56	
conjunction	-910 Feb 04 j 22:50	7°48'44	-14°-12'-33	conjunction	-902 Feb 14 j 10:42	17°17'05	-15°-30'00
minimum elong	-910 Feb 04 j 22:40	7°48'43	14°12'35	minimum elong	-902 Feb 14 j 10:36	17°17'05	15°30'01
max. Earth dist.	-910 Feb 08 j 00:08	7°53'34	44.03083 AU	max. Earth dist.	-902 Feb 17 j 06:53	17°21'26	45.59764 AU
retrograde	-910 May 19 j 12:46	9°32'40		retrograde	-902 May 28 j 20:46	18°57'28	
min. Earth dist.	-910 Aug 08 j 04:35	8°30'32	42.20120 AU	min. Earth dist.	-902 Aug 18 j 00:48	17°56'17	43.76623 AU
opposition	-910 Aug 11 j 05:07	8°26'47	-14°-58'-35	opposition	-902 Aug 20 j 19:03	17°52'55	-16°-16'-9
direct	-910 Oct 30 j 22:38	7°22'28		direct	-902 Nov 09 j 17:03	16°49'57	
conjunction	-909 Feb 06 j 10:02	9°01'45	-14°-23'-46	conjunction	-901 Feb 15 j 20:19	18°25'43	-15°-37'-43
minimum elong	-909 Feb 06 j 09:54	9°01'44	14°23'47	minimum elong	-901 Feb 15 j 20:15	18°25'43	15°37'45
max. Earth dist.	-909 Feb 09 j 11:18	9°06'34	44.24024 AU	max. Earth dist.	-901 Feb 18 j 16:55	18°30'05	45.77993 AU
retrograde	-909 May 20 j 21:55	10°45'14		retrograde	-901 May 30 j 06:50	20°05'43	
min. Earth dist.	-909 Aug 09 j 18:00	9°43'11	42.41045 AU	min. Earth dist.	-901 Aug 19 j 10:59	19°04'40	43.94852 AU
opposition	-909 Aug 12 j 16:50	9°39'32	-15°-9'-52	opposition	-901 Aug 22 j 04:42	19°01'21	-16°-23'-48
direct	-909 Nov 01 j 12:19	8°35'26		direct	-901 Nov 11 j 02:12	17°58'34	
conjunction	-908 Feb 07 j 21:03	10°14'14	-14°-34'-31	conjunction	-900 Feb 17 j 05:33	19°33'57	-15°-45'-1
minimum elong	-908 Feb 07 j 20:54	10°14'14	14°34'33	minimum elong	-900 Feb 17 j 05:28	19°33'57	15°45'01
max. Earth dist.	-908 Feb 10 j 21:28	10°18'59	44.44581 AU	max. Earth dist.	-900 Feb 20 j 00:41	19°38'12	45.95988 AU
retrograde	-908 May 21 j 07:34	11°57'16		retrograde	-900 May 30 j 18:34	21°13'35	
min. Earth dist.	-908 Aug 10 j 05:33	10°55'24	42.61541 AU	min. Earth dist.	-900 Aug 19 j 20:31	20°12'42	44.12839 AU
opposition	-908 Aug 13 j 04:12	10°51'46	-15°-20'-41	opposition	-900 Aug 22 j 14:15	20°09'24	-16°-31'-1
direct	-908 Nov 02 j 01:17	9°47'50		direct	-900 Nov 11 j 09:15	19°06'48	
conjunction	-907 Feb 08 j 07:54	11°26'10	-14°-44'-51				
minimum elong	-907 Feb 08 j 07:47	11°26'10	14°44'52				
max. Earth dist.	-907 Feb 11 j 06:56	11°30'49	44.64694 AU				
retrograde	-907 May 22 j 19:50	13°08'45					
min. Earth dist.	-907 Aug 11 j 17:52	12°06'58	42.81601 AU				
opposition	-907 Aug 14 j 15:20	12°03'25	-15°-31'-4				
direct	-907 Nov 03 j 11:30	10°59'39					
conjunction	-906 Feb 09 j 18:39	12°37'32	-14°-54'-45				
minimum elong	-906 Feb 09 j 18:31	12°37'31	14°54'47				
max. Earth dist.	-906 Feb 12 j 17:47	12°42'09	44.84380 AU				