

superior conj	1500 Jan 06 j 21:00	25°☿25'03	0°-59'-17	greatest brilliancy	1502 Jul 04 j 22:29	12°♁31'41	-4.5m
minimum elong	1500 Jan 06 j 09:01	24°☿47'25	0°58'52		1502 Jul 30 j 04:59	0°☿	
max. Earth dist.	1500 Jan 09 j 09:45	28°☿35'50	1.71235 AU	morning max el	1502 Aug 09 j 07:01	9°☿16'23	45°52'44
	1500 Jan 10 j 12:33	0°≈			1502 Aug 29 j 12:48	0°♁	
evening rise	1500 Feb 03 j 10:50	0°♁		asc. node	1502 Sep 17 j 11:22	21°♁03'43	
	1500 Feb 16 j 19:54	16°♁42'21			1502 Sep 25 j 05:18	0°♁	
	1500 Feb 27 j 12:16	0°♁			1502 Oct 20 j 10:34	0°♁	
	1500 Mar 22 j 18:25	0°♁			1502 Nov 13 j 22:08	0°♁	
asc. node	1500 Apr 01 j 16:21	12°♁10'28			1502 Dec 08 j 01:13	0°♁	
	1500 Apr 16 j 06:50	0°♁		desc. node	1503 Jan 01 j 01:06	0°☿	
	1500 May 11 j 03:11	0°☿			1503 Jan 07 j 00:42	7°☿29'16	
	1500 Jun 05 j 10:28	0°♁			1503 Jan 25 j 00:33	0°≈	
desc. node	1500 Jul 01 j 11:15	0°♁		morning set	1503 Feb 11 j 09:03	21°≈41'06	
	1500 Jul 22 j 05:27	22°♁54'10			1503 Feb 18 j 01:01	0°♁	
	1500 Jul 28 j 22:04	0°♁			1503 Mar 14 j 03:34	0°♁	
evening max el	1500 Aug 13 j 08:57	15°♁35'16	46°08'51	superior conj	1503 Mar 22 j 23:19	10°♁56'38	-1°-14'-54
	1500 Aug 29 j 10:36	0°♁		minimum elong	1503 Mar 23 j 08:13	11°♁24'09	1°14'42
greatest brilliancy	1500 Sep 21 j 05:17	14°♁13'10	-4.6m	max. Earth dist.	1503 Mar 26 j 12:47	15°♁21'20	1.72680 AU
retrograde	1500 Oct 01 j 18:59	16°♁15'41			1503 Apr 07 j 08:58	0°♁	
evening set	1500 Oct 17 j 10:14	11°♁32'53		evening rise	1503 Apr 30 j 03:57	28°♁04'34	
inferior conj	1500 Oct 22 j 11:19	8°♁34'43	-5°-3'-12	asc. node	1503 Apr 30 j 04:08	28°♁05'09	
minimum elong	1500 Oct 22 j 21:09	8°♁19'48	5°00'38		1503 May 01 j 17:31	0°♁	
min. Earth dist.	1500 Oct 23 j 05:12	8°♁07'35	0.26875 AU		1503 May 26 j 05:04	0°☿	
morning rise	1500 Oct 28 j 07:30	5°♁09'29			1503 Jun 19 j 19:42	0°♁	
direct	1500 Nov 12 j 03:04	0°♁48'11			1503 Jul 14 j 14:25	0°♁	
asc. node	1500 Nov 12 j 08:46	0°♁48'15			1503 Aug 08 j 15:34	0°♁	
greatest brilliancy	1500 Nov 25 j 12:12	4°♁07'27	-4.7m	desc. node	1503 Aug 19 j 17:23	13°♁06'59	
	1500 Dec 28 j 15:05	0°♁			1503 Sep 03 j 03:06	0°♁	
morning max el	1501 Jan 01 j 21:42	4°♁16'56	46°57'04		1503 Sep 29 j 09:10	0°♁	
	1501 Jan 25 j 18:46	0°☿		evening max el	1503 Oct 26 j 16:57	29°♁13'35	47°12'59
	1501 Feb 20 j 20:23	0°≈			1503 Oct 27 j 11:27	0°☿	
desc. node	1501 Mar 03 j 22:24	13°≈03'42		greatest brilliancy	1503 Dec 04 j 04:54	29°☿39'54	-4.7m
	1501 Mar 18 j 04:07	0°♁			1503 Dec 05 j 00:01	0°≈	
	1501 Apr 12 j 04:07	0°♁		asc. node	1503 Dec 10 j 20:47	1°≈50'48	
	1501 May 07 j 00:16	0°♁		retrograde	1503 Dec 16 j 10:14	2°≈27'21	
	1501 May 31 j 17:39	0°♁			1503 Dec 27 j 08:23	30°☿	
asc. node	1501 Jun 25 j 01:47	29°♁41'37		evening set	1503 Dec 31 j 16:15	27°☿48'48	
	1501 Jun 25 j 07:48	0°☿		min. Earth dist.	1504 Jan 05 j 04:02	25°☿07'59	0.26774 AU
morning set	1501 Jul 03 j 13:30	10°☿05'35		inferior conj	1504 Jan 06 j 00:53	24°☿35'45	6°08'28
	1501 Jul 19 j 17:58	0°♁		minimum elong	1504 Jan 05 j 14:30	24°☿51'47	6°06'04
max. Earth dist.	1501 Aug 05 j 15:22	20°♁52'10	1.72884 AU	morning rise	1504 Jan 10 j 13:16	21°☿52'48	
superior conj	1501 Aug 08 j 22:56	24°♁58'35	1°20'44	direct	1504 Jan 26 j 11:27	16°☿55'25	
minimum elong	1501 Aug 08 j 17:41	24°♁42'19	1°20'40	greatest brilliancy	1504 Feb 06 j 04:38	19°☿04'29	-4.6m
	1501 Aug 13 j 00:10	0°♁			1504 Feb 24 j 07:58	0°≈	
	1501 Sep 06 j 03:28	0°♁		morning max el	1504 Mar 16 j 05:55	18°≈40'02	46°25'34
evening rise	1501 Sep 14 j 21:46	10°♁54'51			1504 Mar 27 j 09:52	0°♁	
	1501 Sep 30 j 05:22	0°♁		desc. node	1504 Mar 31 j 10:11	4°♁13'13	
desc. node	1501 Oct 14 j 15:11	17°♁57'28			1504 Apr 23 j 22:19	0°♁	
	1501 Oct 24 j 07:08	0°♁			1504 May 20 j 02:32	0°♁	
	1501 Nov 17 j 09:43	0°☿			1504 Jun 14 j 15:13	0°♁	
	1501 Dec 11 j 14:40	0°≈			1504 Jul 09 j 17:15	0°☿	
	1502 Jan 05 j 01:31	0°♁		asc. node	1504 Jul 22 j 13:43	15°☿33'27	
	1502 Jan 30 j 01:27	0°♁			1504 Aug 03 j 09:59	0°♁	
asc. node	1502 Feb 04 j 18:28	6°♁42'04		morning set	1504 Aug 27 j 18:34	0°♁	
	1502 Feb 25 j 04:56	0°♁			1504 Sep 10 j 08:33	16°♁52'34	
evening max el	1502 Mar 21 j 04:59	25°♁13'10	45°51'29		1504 Sep 20 j 21:01	0°♁	
	1502 Mar 26 j 04:35	0°♁		max. Earth dist.	1504 Oct 14 j 19:50	0°♁	
greatest brilliancy	1502 Apr 24 j 12:10	22°♁01'11	-4.5m		1504 Oct 16 j 09:08	1°♁57'01	1.71444 AU
retrograde	1502 May 09 j 06:57	25°♁49'59		superior conj	1504 Oct 18 j 13:50	4°♁42'21	0°52'17
evening set	1502 May 24 j 07:25	21°♁26'28		minimum elong	1504 Oct 19 j 00:06	5°♁14'35	0°51'53
desc. node	1502 May 27 j 07:39	19°♁41'51			1504 Nov 07 j 17:10	0°♁	
inferior conj	1502 May 30 j 17:20	17°♁35'19	0°-48'-2	desc. node	1504 Nov 11 j 03:02	4°♁17'13	
minimum elong	1502 May 30 j 15:35	17°♁38'05	0°47'31	evening rise	1504 Nov 28 j 08:04	25°♁54'28	
min. Earth dist.	1502 May 30 j 16:33	17°♁36'33	0.28945 AU		1504 Dec 01 j 14:16	0°☿	
morning rise	1502 Jun 05 j 23:57	13°♁49'16			1504 Dec 25 j 12:13	0°≈	
direct	1502 Jun 21 j 08:45	9°♁18'10					

	1505 Jan 18 j 12:39	0° $\text{H}$		morning max el	1507 May 28 j 10:42	29° $\text{V}$ 28'18	45°48'12
	1505 Feb 11 j 18:21	0° $\text{Y}$			1507 May 28 j 23:56	0° $\text{B}$	
asc. node	1505 Mar 04 j 06:26	25° $\text{V}$ 01'20			1507 Jun 27 j 00:08	0° $\text{II}$	
	1505 Mar 08 j 09:18	0° $\text{B}$			1507 Jul 23 j 16:45	0° $\text{E}$	
	1505 Apr 02 j 15:06	0° $\text{II}$			1507 Aug 18 j 06:07	0° $\text{O}$	
	1505 Apr 28 j 21:58	0° $\text{E}$		asc. node	1507 Aug 20 j 01:29	2° $\text{O}$ 09'29	
	1505 May 27 j 10:19	0° $\text{O}$			1507 Sep 12 j 01:41	0° $\text{M}$	
evening max el	1505 May 30 j 16:53	3° $\text{O}$ 10'08	45°22'25		1507 Oct 06 j 09:16	0° $\text{L}$	
desc. node	1505 Jun 23 j 19:46	23° $\text{O}$ 21'53			1507 Oct 30 j 09:42	0° $\text{M}$	
	1505 Jul 05 j 17:14	0° $\text{M}$			1507 Nov 23 j 06:43	0° $\text{J}$	
greatest brilliancy	1505 Jul 05 j 17:23	0° $\text{M}$ 00'09	-4.5m	morning set	1507 Nov 23 j 14:06	0° $\text{J}$ 23'14	
retrograde	1505 Jul 18 j 06:29	2° $\text{M}$ 46'44		desc. node	1507 Dec 09 j 14:54	20° $\text{J}$ 34'04	
	1505 Jul 30 j 05:47	30° $\text{O}$			1507 Dec 17 j 02:47	0° $\text{C}$	
evening set	1505 Aug 04 j 16:24	27° $\text{O}$ 08'23					
inferior conj	1505 Aug 08 j 15:42	24° $\text{O}$ 43'27	-8°-14'-7	superior conj	1508 Jan 04 j 06:58	22° $\text{C}$ 51'31	0°-56'-19
minimum elong	1505 Aug 08 j 09:30	24° $\text{O}$ 53'03	8°13'33	minimum elong	1508 Jan 03 j 19:05	22° $\text{C}$ 14'13	0°55'54
min. Earth dist.	1505 Aug 09 j 00:32	24° $\text{O}$ 29'44	0.28663 AU	max. Earth dist.	1508 Jan 06 j 17:33	25° $\text{C}$ 55'38	1.71211 AU
morning rise	1505 Aug 12 j 02:21	22° $\text{O}$ 36'29			1508 Jan 09 j 23:22	0° $\approx$	
direct	1505 Aug 30 j 03:04	16° $\text{O}$ 30'19			1508 Feb 02 j 21:40	0° $\text{H}$	
greatest brilliancy	1505 Sep 13 j 14:46	20° $\text{O}$ 12'13	-4.6m	evening rise	1508 Feb 14 j 07:32	14° $\text{H}$ 15'14	
	1505 Sep 28 j 18:20	0° $\text{M}$			1508 Feb 26 j 23:08	0° $\text{Y}$	
asc. node	1505 Oct 14 j 23:02	14° $\text{M}$ 20'24			1508 Mar 22 j 05:24	0° $\text{B}$	
morning max el	1505 Oct 19 j 05:15	18° $\text{M}$ 32'36	46°33'49	asc. node	1508 Mar 31 j 18:18	11° $\text{B}$ 42'32	
	1505 Oct 30 j 05:34	0° $\text{L}$			1508 Apr 15 j 18:03	0° $\text{II}$	
	1505 Nov 25 j 20:37	0° $\text{M}$			1508 May 10 j 14:55	0° $\text{E}$	
	1505 Dec 21 j 00:57	0° $\text{J}$			1508 Jun 04 j 23:09	0° $\text{O}$	
	1506 Jan 14 j 15:38	0° $\text{C}$			1508 Jul 01 j 01:47	0° $\text{M}$	
desc. node	1506 Feb 03 j 12:33	24° $\text{C}$ 25'53		desc. node	1508 Jul 21 j 07:31	22° $\text{M}$ 13'27	
	1506 Feb 08 j 01:03	0° $\approx$			1508 Jul 28 j 16:51	0° $\text{L}$	
	1506 Mar 04 j 08:57	0° $\text{H}$		evening max el	1508 Aug 10 j 23:20	13° $\text{L}$ 18'04	46°06'28
	1506 Mar 28 j 17:09	0° $\text{Y}$			1508 Aug 29 j 22:48	0° $\text{M}$	
	1506 Apr 22 j 02:25	0° $\text{B}$		greatest brilliancy	1508 Sep 18 j 17:05	11° $\text{M}$ 48'32	-4.6m
morning set	1506 Apr 24 j 12:18	2° $\text{B}$ 57'52		retrograde	1508 Sep 29 j 07:44	13° $\text{M}$ 51'08	
	1506 May 16 j 12:35	0° $\text{II}$		evening set	1508 Oct 15 j 01:54	9° $\text{M}$ 04'00	
asc. node	1506 May 27 j 16:01	13° $\text{II}$ 41'07		inferior conj	1508 Oct 19 j 23:57	6° $\text{M}$ 09'41	-5°-22'-22
max. Earth dist.	1506 May 30 j 20:33	17° $\text{II}$ 36'04	1.73607 AU	minimum elong	1508 Oct 20 j 10:06	5° $\text{M}$ 54'16	5°19'47
				min. Earth dist.	1508 Oct 20 j 18:19	5° $\text{M}$ 41'47	0.26929 AU
superior conj	1506 May 31 j 09:51	18° $\text{II}$ 16'56	0°08'54	morning rise	1508 Oct 25 j 17:48	2° $\text{M}$ 47'33	
minimum elong	1506 May 31 j 08:01	18° $\text{II}$ 11'19	0°08'49		1508 Oct 31 j 19:35	30° $\text{L}$	
behind sun begin	1506 May 30 j 13:06	17° $\text{II}$ 13'11		direct	1508 Nov 09 j 16:59	28° $\text{L}$ 22'29	
behind sun end	1506 Jun 01 j 02:57	19° $\text{II}$ 09'27		asc. node	1508 Nov 11 j 10:54	28° $\text{L}$ 26'12	
	1506 Jun 09 j 22:49	0° $\text{E}$			1508 Nov 18 j 21:23	0° $\text{M}$	
	1506 Jul 04 j 08:22	0° $\text{O}$		greatest brilliancy	1508 Nov 23 j 02:18	1° $\text{M}$ 42'22	-4.7m
evening rise	1506 Jul 06 j 08:35	2° $\text{O}$ 28'17			1508 Dec 28 j 14:50	0° $\text{J}$	
	1506 Jul 28 j 17:20	0° $\text{M}$		morning max el	1508 Dec 30 j 12:06	1° $\text{J}$ 54'25	46°57'18
	1506 Aug 22 j 02:43	0° $\text{L}$			1509 Jan 25 j 11:18	0° $\text{C}$	
	1506 Sep 15 j 13:48	0° $\text{M}$			1509 Feb 20 j 10:18	0° $\approx$	
desc. node	1506 Sep 16 j 05:19	0° $\text{M}$ 47'27		desc. node	1509 Mar 03 j 00:23	12° $\approx$ 30'23	
	1506 Oct 10 j 03:55	0° $\text{J}$			1509 Mar 17 j 16:42	0° $\text{H}$	
	1506 Nov 03 j 23:17	0° $\text{C}$			1509 Apr 11 j 15:54	0° $\text{Y}$	
	1506 Nov 29 j 06:05	0° $\approx$			1509 May 06 j 11:32	0° $\text{B}$	
	1506 Dec 25 j 18:03	0° $\text{H}$			1509 May 31 j 04:34	0° $\text{II}$	
evening max el	1507 Jan 06 j 12:43	12° $\text{H}$ 24'27	47°01'35	asc. node	1509 Jun 24 j 03:55	29° $\text{II}$ 15'21	
asc. node	1507 Jan 07 j 08:41	13° $\text{H}$ 15'06			1509 Jun 24 j 18:31	0° $\text{E}$	
	1507 Jan 25 j 07:43	0° $\text{Y}$		morning set	1509 Jul 01 j 07:24	8° $\text{E}$ 00'35	
greatest brilliancy	1507 Feb 12 j 08:06	12° $\text{Y}$ 10'19	-4.6m		1509 Jul 19 j 04:36	0° $\text{O}$	
retrograde	1507 Feb 26 j 05:58	15° $\text{Y}$ 44'00		max. Earth dist.	1509 Aug 03 j 08:51	18° $\text{O}$ 44'50	1.72928 AU
evening set	1507 Mar 15 j 18:38	9° $\text{Y}$ 46'34					
inferior conj	1507 Mar 19 j 10:18	7° $\text{Y}$ 30'05	7°49'24	superior conj	1509 Aug 06 j 16:25	22° $\text{O}$ 51'08	1°19'42
minimum elong	1507 Mar 19 j 18:11	7° $\text{Y}$ 17'38	7°48'22	minimum elong	1509 Aug 06 j 10:39	22° $\text{O}$ 33'14	1°19'36
min. Earth dist.	1507 Mar 19 j 05:24	7° $\text{Y}$ 37'49	0.28332 AU		1509 Aug 12 j 10:49	0° $\text{M}$	
morning rise	1507 Mar 23 j 17:57	4° $\text{Y}$ 50'01			1509 Sep 05 j 14:14	0° $\text{L}$	
	1507 Apr 03 j 23:57	30° $\text{H}$		evening rise	1509 Sep 12 j 12:45	8° $\text{L}$ 38'17	
direct	1507 Apr 09 j 12:21	29° $\text{H}$ 23'10			1509 Sep 29 j 16:20	0° $\text{M}$	
	1507 Apr 15 j 04:58	0° $\text{Y}$		desc. node	1509 Oct 13 j 17:12	17° $\text{M}$ 29'07	
greatest brilliancy	1507 Apr 21 j 05:36	1° $\text{Y}$ 51'17	-4.5m		1509 Oct 23 j 18:21	0° $\text{J}$	
desc. node	1507 Apr 28 j 21:49	5° $\text{Y}$ 40'17			1509 Nov 16 j 21:14	0° $\text{C}$	

	1509 Dec 11 j 02:32	0°≈			1512 Aug 02 j 21:04	0°♈		
	1510 Jan 04 j 13:57	0°✠			1512 Aug 27 j 05:31	0°♍		
	1510 Jan 29 j 14:58	0°♎		morning set	1512 Sep 08 j 00:04	14°♍37'24		
asc. node	1510 Feb 03 j 20:29	6°♎07'24			1512 Sep 20 j 07:56	0°♎		
	1510 Feb 24 j 20:59	0°♏		max. Earth dist.	1512 Oct 13 j 20:04	29°♎26'16	1.71487 AU	
evening max el	1510 Mar 18 j 21:01	23°♏02'02	45°53'24		1512 Oct 14 j 06:49	0°♏		
	1510 Mar 26 j 04:54	0°♐						
greatest brilliancy	1510 Apr 22 j 05:38	19°♐53'57	-4.5m	superior conj	1512 Oct 16 j 02:34	2°♏17'16	0°55'10	
retrograde	1510 May 06 j 23:12	23°♐41'25		minimum elong	1512 Oct 16 j 12:59	2°♏49'55	0°54'46	
evening set	1510 May 22 j 00:24	19°♐17'35			1512 Nov 07 j 04:14	0°♑		
desc. node	1510 May 26 j 09:51	16°♐41'47		desc. node	1512 Nov 10 j 05:10	3°♑49'07		
inferior conj	1510 May 28 j 09:46	15°♐26'49	0°-28'-13	evening rise	1512 Nov 25 j 18:19	23°♑20'56		
minimum elong	1510 May 28 j 08:44	15°♐28'27	0°27'56		1512 Dec 01 j 01:27	0°♒		
min. Earth dist.	1510 May 28 j 09:11	15°♐27'43	0.28937 AU		1512 Dec 24 j 23:30	0°≈		
morning rise	1510 Jun 03 j 17:17	11°♐39'08			1513 Jan 18 j 00:06	0°♓		
direct	1510 Jun 19 j 01:14	7°♐09'57			1513 Feb 11 j 06:05	0°♎		
greatest brilliancy	1510 Jul 02 j 12:24	10°♐20'26	-4.5m	asc. node	1513 Mar 03 j 08:26	24°♎30'48		
	1510 Jul 30 j 07:35	0°♑			1513 Mar 07 j 21:31	0°♏		
morning max el	1510 Aug 06 j 22:01	7°♑04'05	45°51'41		1513 Apr 02 j 04:16	0°♐		
	1510 Aug 29 j 05:26	0°♈			1513 Apr 28 j 13:18	0°♑		
asc. node	1510 Sep 16 j 13:24	20°♈28'29			1513 May 27 j 07:54	0°♈		
	1510 Sep 24 j 19:02	0°♍		evening max el	1513 May 28 j 07:33	0°♈56'47	45°22'13	
	1510 Oct 19 j 23:04	0°♎		desc. node	1513 Jun 22 j 21:44	22°♈08'03		
	1510 Nov 13 j 10:00	0°♏		greatest brilliancy	1513 Jul 03 j 04:15	27°♈43'37	-4.5m	
	1510 Dec 07 j 12:44	0°♑			1513 Jul 10 j 07:45	0°♍		
	1510 Dec 31 j 12:23	0°♒		retrograde	1513 Jul 15 j 21:53	0°♍35'02		
desc. node	1511 Jan 06 j 02:42	7°♒00'26			1513 Jul 21 j 08:34	30°♈		
	1511 Jan 24 j 11:38	0°≈		evening set	1513 Aug 02 j 04:32	25°♈00'29		
morning set	1511 Feb 08 j 20:31	19°≈12'55		inferior conj	1513 Aug 06 j 07:10	22°♈30'47	-8°-6'-49	
	1511 Feb 17 j 11:55	0°♓		minimum elong	1513 Aug 06 j 00:22	22°♈41'20	8°06'08	
	1511 Mar 13 j 14:20	0°♎		min. Earth dist.	1513 Aug 06 j 15:11	22°♈18'21	0.28704 AU	
				morning rise	1513 Aug 09 j 19:57	20°♈20'46		
superior conj	1511 Mar 20 j 13:55	8°♎39'50	-1°-16'-34	direct	1513 Aug 27 j 18:47	14°♈16'52		
minimum elong	1511 Mar 20 j 22:23	9°♎06'04	1°16'24	greatest brilliancy	1513 Sep 11 j 08:00	18°♈00'27	-4.6m	
max. Earth dist.	1511 Mar 24 j 07:50	13°♎18'27	1.72625 AU		1513 Sep 29 j 05:11	0°♍		
	1511 Apr 06 j 19:40	0°♏		asc. node	1513 Oct 14 j 01:09	13°♍28'08		
evening rise	1511 Apr 27 j 20:52	25°♏56'03		morning max el	1513 Oct 16 j 20:41	16°♍15'28	46°32'22	
asc. node	1511 Apr 29 j 06:16	27°♏38'43			1513 Oct 30 j 00:14	0°♎		
	1511 May 01 j 04:16	0°♐			1513 Nov 25 j 11:34	0°♏		
	1511 May 25 j 15:58	0°♑			1513 Dec 20 j 14:18	0°♑		
	1511 Jun 19 j 06:55	0°♈			1514 Jan 14 j 04:07	0°♒		
	1511 Jul 14 j 02:10	0°♍		desc. node	1514 Feb 02 j 14:30	23°♒54'54		
desc. node	1511 Aug 08 j 04:10	0°♎			1514 Feb 07 j 12:58	0°≈		
	1511 Aug 18 j 19:20	12°♎34'02			1514 Mar 03 j 20:28	0°♓		
	1511 Sep 02 j 17:10	0°♏			1514 Mar 28 j 04:23	0°♎		
	1511 Sep 29 j 02:00	0°♑			1514 Apr 21 j 13:26	0°♏		
evening max el	1511 Oct 24 j 05:57	26°♑47'11	47°11'34	morning set	1514 Apr 22 j 05:09	0°♏48'21		
	1511 Oct 27 j 11:31	0°♒			1514 May 15 j 23:26	0°♐		
greatest brilliancy	1511 Dec 01 j 20:49	27°♒14'45	-4.7m	asc. node	1514 May 26 j 18:08	13°♐14'23		
asc. node	1511 Dec 09 j 22:54	29°♒39'43		max. Earth dist.	1514 May 28 j 18:41	15°♐43'31	1.73601 AU	
retrograde	1511 Dec 13 j 22:38	29°♒58'44						
evening set	1511 Dec 29 j 01:54	25°♒25'21		superior conj	1514 May 29 j 04:01	16°♐12'11	0°05'46	
min. Earth dist.	1512 Jan 02 j 17:48	22°♒38'57	0.26724 AU	minimum elong	1514 May 29 j 02:50	16°♐08'32	0°05'43	
inferior conj	1512 Jan 03 j 13:34	22°♒08'25	5°50'54	behind sun begin	1514 May 28 j 05:35	15°♐03'15		
minimum elong	1512 Jan 03 j 03:17	22°♒24'18	5°48'25	behind sun end	1514 May 30 j 00:05	17°♐13'49		
morning rise	1512 Jan 08 j 05:05	19°♒20'55			1514 Jun 09 j 09:36	0°♑		
direct	1512 Jan 23 j 23:13	14°♒28'40			1514 Jul 03 j 19:13	0°♈		
greatest brilliancy	1512 Feb 03 j 18:55	16°♒39'41	-4.6m	evening rise	1514 Jul 04 j 03:45	0°♈26'14		
	1512 Feb 24 j 21:34	0°≈			1514 Jul 28 j 04:24	0°♍		
morning max el	1512 Mar 13 j 18:01	16°≈14'38	46°27'19		1514 Aug 21 j 14:09	0°♎		
	1512 Mar 27 j 05:05	0°♓			1514 Sep 15 j 01:44	0°♏		
desc. node	1512 Mar 30 j 12:11	3°♓29'42		desc. node	1514 Sep 15 j 07:21	0°♏17'11		
	1512 Apr 23 j 13:10	0°♎			1514 Oct 09 j 16:30	0°♑		
	1512 May 19 j 15:29	0°♏			1514 Nov 03 j 12:50	0°♒		
	1512 Jun 14 j 03:11	0°♐			1514 Nov 28 j 21:19	0°≈		
	1512 Jul 09 j 04:39	0°♑			1514 Dec 25 j 13:05	0°♓		
asc. node	1512 Jul 21 j 15:38	15°♑05'17		evening max el	1515 Jan 04 j 03:53	10°♓04'47	47°03'35	

asc. node	1515 Jan 06 j 10:38	12°♄23'01			1517 Jun 24 j 05:32	0°♁	
	1515 Jan 25 j 19:08	0°♃		morning set	1517 Jun 29 j 01:33	5°♁55'24	
greatest brilliancy	1515 Feb 09 j 23:55	9°♃53'18	-4.6m		1517 Jul 18 j 15:32	0°♁	
retrograde	1515 Feb 23 j 22:16	13°♃27'16		max. Earth dist.	1517 Aug 01 j 01:27	16°♁34'00	1.72970 AU
evening set	1515 Mar 13 j 12:26	7°♃25'57					
min. Earth dist.	1515 Mar 16 j 19:33	5°♃22'52	0.28293 AU	superior conj	1517 Aug 04 j 10:25	20°♁44'28	1°18'33
inferior conj	1515 Mar 17 j 01:34	5°♃13'24	7°58'37	minimum elong	1517 Aug 04 j 04:09	20°♁25'05	1°18'26
minimum elong	1515 Mar 17 j 08:58	5°♃01'44	7°57'44		1517 Aug 11 j 21:46	0°♃	
morning rise	1515 Mar 21 j 05:43	2°♃38'49			1517 Sep 05 j 01:16	0°♁	
	1515 Mar 26 j 04:05	30°♄		evening rise	1517 Sep 10 j 04:22	6°♁22'58	
direct	1515 Apr 07 j 03:15	27°♄07'09			1517 Sep 29 j 03:33	0°♃	
greatest brilliancy	1515 Apr 18 j 18:23	29°♄33'49	-4.5m	desc. node	1517 Oct 12 j 19:22	17°♃00'24	
	1515 Apr 19 j 19:48	0°♃			1517 Oct 23 j 05:51	0°♄	
desc. node	1515 Apr 28 j 00:00	4°♃18'23			1517 Nov 16 j 09:04	0°♁	
morning max el	1515 May 26 j 03:05	27°♃17'57	45°49'01		1517 Dec 10 j 14:49	0°♂	
	1515 May 28 j 22:11	0°♄			1518 Jan 04 j 02:53	0°♄	
	1515 Jun 26 j 15:51	0°♃			1518 Jan 29 j 05:05	0°♃	
	1515 Jul 23 j 06:06	0°♁		asc. node	1518 Feb 02 j 22:30	5°♃31'07	
	1515 Aug 17 j 18:20	0°♁			1518 Feb 24 j 13:49	0°♄	
asc. node	1515 Aug 19 j 03:34	1°♁39'18		evening max el	1518 Mar 16 j 12:12	20°♄47'18	45°55'33
	1515 Sep 11 j 13:22	0°♃			1518 Mar 26 j 07:06	0°♃	
	1515 Oct 05 j 20:42	0°♁		greatest brilliancy	1518 Apr 19 j 22:53	17°♃45'15	-4.5m
	1515 Oct 29 j 21:01	0°♃		retrograde	1518 May 04 j 15:14	21°♃32'04	
morning set	1515 Nov 21 j 01:05	27°♃51'19		evening set	1518 May 19 j 17:33	17°♃07'30	
	1515 Nov 22 j 18:00	0°♄		desc. node	1518 May 25 j 11:50	13°♃40'16	
desc. node	1515 Dec 08 j 16:55	20°♄04'56		inferior conj	1518 May 26 j 02:16	13°♃17'34	0°-8'-30
	1515 Dec 16 j 14:02	0°♁		minimum elong	1518 May 26 j 01:57	13°♃18'03	0°08'25
				transit begin	1518 May 25 j 22:29	13°♃23'30	
superior conj	1516 Jan 01 j 16:24	20°♁14'58	0°-53'-12	transit end	1518 May 26 j 05:25	13°♃12'36	
minimum elong	1516 Jan 01 j 04:47	19°♁38'24	0°52'46	min. Earth dist.	1518 May 26 j 02:10	13°♃17'42	0.28924 AU
max. Earth dist.	1516 Jan 04 j 02:14	23°♁16'42	1.71184 AU	morning rise	1518 Jun 01 j 10:31	9°♃28'26	
	1516 Jan 09 j 10:36	0°♂		direct	1518 Jun 16 j 17:13	5°♃00'53	
	1516 Feb 02 j 08:53	0°♄		greatest brilliancy	1518 Jun 30 j 02:50	8°♃09'01	-4.5m
evening rise	1516 Feb 11 j 18:44	11°♄45'32			1518 Jul 30 j 09:03	0°♁	
	1516 Feb 26 j 10:22	0°♃		morning max el	1518 Aug 04 j 12:48	4°♁50'33	45°50'49
	1516 Mar 21 j 16:44	0°♄			1518 Aug 28 j 21:58	0°♁	
asc. node	1516 Mar 30 j 20:27	11°♄14'09		asc. node	1518 Sep 15 j 15:28	19°♁53'07	
	1516 Apr 15 j 05:39	0°♃			1518 Sep 24 j 08:50	0°♃	
	1516 May 10 j 03:01	0°♁			1518 Oct 19 j 11:39	0°♁	
	1516 Jun 04 j 12:14	0°♁			1518 Nov 12 j 21:59	0°♃	
	1516 Jun 30 j 16:46	0°♃			1518 Dec 07 j 00:23	0°♄	
desc. node	1516 Jul 20 j 09:30	21°♃31'27			1518 Dec 30 j 23:51	0°♁	
	1516 Jul 28 j 12:25	0°♁		desc. node	1519 Jan 05 j 04:41	6°♁30'53	
evening max el	1516 Aug 08 j 13:45	11°♁00'27	46°04'03		1519 Jan 23 j 22:57	0°♂	
	1516 Aug 30 j 15:21	0°♃		morning set	1519 Feb 06 j 07:29	16°♂42'10	
greatest brilliancy	1516 Sep 16 j 05:33	9°♃24'31	-4.6m		1519 Feb 16 j 23:06	0°♄	
retrograde	1516 Sep 26 j 20:03	11°♃26'22			1519 Mar 13 j 01:24	0°♃	
evening set	1516 Oct 12 j 17:48	6°♃34'59					
inferior conj	1516 Oct 17 j 12:48	3°♃44'31	-5°-40'-33	superior conj	1519 Mar 18 j 03:57	6°♃20'15	-1°-18'-8
minimum elong	1516 Oct 17 j 23:10	3°♃28'43	5°38'01	minimum elong	1519 Mar 18 j 11:56	6°♃44'59	1°17'59
min. Earth dist.	1516 Oct 18 j 07:46	3°♃15'38	0.26990 AU	max. Earth dist.	1519 Mar 21 j 23:25	11°♃03'46	1.72568 AU
morning rise	1516 Oct 23 j 04:04	0°♃25'28			1519 Apr 06 j 06:41	0°♄	
	1516 Oct 23 j 23:01	30°♁		evening rise	1519 Apr 25 j 13:10	23°♄44'48	
direct	1516 Nov 07 j 06:55	25°♁56'31		asc. node	1519 Apr 28 j 08:17	27°♄11'05	
asc. node	1516 Nov 10 j 13:00	26°♁09'14			1519 Apr 30 j 15:17	0°♃	
greatest brilliancy	1516 Nov 20 j 16:32	29°♁16'34	-4.7m		1519 May 25 j 03:07	0°♁	
	1516 Nov 22 j 04:06	0°♃			1519 Jun 18 j 18:21	0°♁	
morning max el	1516 Dec 28 j 01:49	29°♃28'35	46°57'15		1519 Jul 13 j 14:08	0°♃	
	1516 Dec 28 j 14:08	0°♄			1519 Aug 07 j 17:02	0°♁	
	1517 Jan 25 j 04:06	0°♁		desc. node	1519 Aug 17 j 21:26	12°♁00'51	
	1517 Feb 20 j 00:36	0°♂			1519 Sep 02 j 07:32	0°♃	
desc. node	1517 Mar 02 j 02:29	11°♂56'05			1519 Sep 28 j 19:16	0°♄	
	1517 Mar 17 j 05:41	0°♄		evening max el	1519 Oct 21 j 18:41	24°♄20'10	47°10'12
	1517 Apr 11 j 04:03	0°♃			1519 Oct 27 j 12:48	0°♁	
	1517 May 05 j 23:07	0°♄		greatest brilliancy	1519 Nov 29 j 11:50	24°♁48'38	-4.7m
	1517 May 30 j 15:48	0°♃		asc. node	1519 Dec 09 j 00:47	27°♁23'23	
asc. node	1517 Jun 23 j 05:51	28°♃47'32		retrograde	1519 Dec 11 j 11:13	27°♁30'33	

evening set	1519 Dec 26 j 11:48	23°☾01'34		behind sun end	1522 May 27 j 19:46	15°♁13'58	
min. Earth dist.	1519 Dec 31 j 07:37	20°☾10'08	0.26682 AU	max. Earth dist.	1522 May 26 j 17:31	13°♁53'17	1.73596 AU
inferior conj	1520 Jan 01 j 02:21	19°☾41'15	5°32'41		1522 Jun 08 j 20:17	0°♁	
minimum elong	1519 Dec 31 j 16:14	19°☾56'51	5°30'08	evening rise	1522 Jul 01 j 22:39	28°♁23'39	
morning rise	1520 Jan 05 j 21:00	16°☾49'27			1522 Jul 03 j 05:59	0°♁	
direct	1520 Jan 21 j 11:00	12°☾01'48			1522 Jul 27 j 15:22	0°♁	
greatest brilliancy	1520 Feb 01 j 09:45	14°☾15'31	-4.6m		1522 Aug 21 j 01:26	0°♁	
	1520 Feb 25 j 07:48	0°♁		desc. node	1522 Sep 14 j 09:28	29°♁47'43	
morning max el	1520 Mar 11 j 07:04	13°♁51'00	46°28'52		1522 Sep 14 j 13:30	0°♁	
	1520 Mar 26 j 23:57	0°♁			1522 Oct 09 j 04:56	0°♁	
desc. node	1520 Mar 29 j 14:20	2°♁46'39			1522 Nov 03 j 02:17	0°♁	
	1520 Apr 23 j 04:03	0°♁			1522 Nov 28 j 12:32	0°♁	
	1520 May 19 j 04:34	0°♁			1522 Dec 25 j 08:23	0°♁	
	1520 Jun 13 j 15:15	0°♁		evening max el	1523 Jan 01 j 20:02	7°♁48'18	47°05'29
	1520 Jul 08 j 16:07	0°♁		asc. node	1523 Jan 05 j 12:47	11°♁31'19	
asc. node	1520 Jul 20 j 17:43	14°♁37'21			1523 Jan 26 j 09:54	0°♁	
	1520 Aug 02 j 08:11	0°♁		greatest brilliancy	1523 Feb 07 j 16:31	7°♁38'13	-4.6m
	1520 Aug 26 j 16:28	0°♁		retrograde	1523 Feb 21 j 14:31	11°♁11'17	
morning set	1520 Sep 05 j 15:48	12°♁22'54		evening set	1523 Mar 11 j 06:10	5°♁06'37	
	1520 Sep 19 j 18:53	0°♁		inferior conj	1523 Mar 14 j 16:52	2°♁57'42	8°07'06
max. Earth dist.	1520 Oct 11 j 08:31	27°♁00'15	1.71528 AU	minimum elong	1523 Mar 14 j 23:43	2°♁46'53	8°06'21
				min. Earth dist.	1523 Mar 14 j 09:35	3°♁09'10	0.28252 AU
superior conj	1520 Oct 13 j 15:42	29°♁53'22	0°57'55	morning rise	1523 Mar 18 j 17:31	0°♁28'26	
minimum elong	1520 Oct 14 j 02:10	0°♁26'12	0°57'32		1523 Mar 19 j 12:54	30°♁	
	1520 Oct 13 j 17:49	0°♁		direct	1523 Apr 04 j 18:31	24°♁52'21	
	1520 Nov 06 j 15:18	0°♁		greatest brilliancy	1523 Apr 16 j 06:13	27°♁16'17	-4.5m
desc. node	1520 Nov 09 j 07:10	3°♁20'33			1523 Apr 22 j 01:11	0°♁	
evening rise	1520 Nov 23 j 05:02	20°♁49'01		desc. node	1523 Apr 27 j 01:58	2°♁59'53	
	1520 Nov 30 j 12:35	0°♁		morning max el	1523 May 23 j 19:07	25°♁07'38	45°49'40
	1520 Dec 24 j 10:44	0°♁			1523 May 28 j 19:13	0°♁	
	1521 Jan 17 j 11:30	0°♁			1523 Jun 26 j 07:04	0°♁	
	1521 Feb 10 j 17:46	0°♁			1523 Jul 22 j 19:08	0°♁	
asc. node	1521 Mar 02 j 10:33	24°♁00'38			1523 Aug 17 j 06:19	0°♁	
	1521 Mar 07 j 09:45	0°♁		asc. node	1523 Aug 18 j 05:40	1°♁09'53	
	1521 Apr 01 j 17:35	0°♁			1523 Sep 11 j 00:48	0°♁	
	1521 Apr 28 j 04:58	0°♁			1523 Oct 05 j 07:51	0°♁	
evening max el	1521 May 25 j 23:12	28°♁45'37	45°22'11		1523 Oct 29 j 08:02	0°♁	
	1521 May 27 j 06:28	0°♁		morning set	1523 Nov 18 j 12:11	25°♁20'50	
desc. node	1521 Jun 21 j 23:44	20°♁51'56			1523 Nov 22 j 04:57	0°♁	
greatest brilliancy	1521 Jun 30 j 15:26	25°♁27'28	-4.5m	desc. node	1523 Dec 07 j 18:53	19°♁36'35	
retrograde	1521 Jul 13 j 13:37	28°♁23'24			1523 Dec 16 j 00:59	0°♁	
evening set	1521 Jul 30 j 16:39	22°♁52'55		superior conj	1523 Dec 30 j 01:54	17°♁39'29	0°-49'-59
inferior conj	1521 Aug 03 j 22:40	20°♁18'18	-7°-58'-55	minimum elong	1523 Dec 29 j 14:36	17°♁04'00	0°49'32
minimum elong	1521 Aug 03 j 15:17	20°♁29'43	7°58'05	max. Earth dist.	1524 Jan 01 j 10:27	20°♁37'15	1.71159 AU
min. Earth dist.	1521 Aug 04 j 05:31	20°♁07'41	0.28740 AU		1524 Jan 08 j 21:33	0°♁	
morning rise	1521 Aug 07 j 13:42	18°♁05'04			1524 Feb 01 j 19:49	0°♁	
direct	1521 Aug 25 j 10:58	12°♁03'55		evening rise	1524 Feb 09 j 05:52	9°♁16'24	
greatest brilliancy	1521 Sep 09 j 00:22	15°♁48'07	-4.6m		1524 Feb 25 j 21:18	0°♁	
	1521 Sep 29 j 12:59	0°♁			1524 Mar 21 j 03:44	0°♁	
asc. node	1521 Oct 13 j 03:15	12°♁37'15		asc. node	1524 Mar 29 j 22:29	10°♁46'26	
morning max el	1521 Oct 14 j 12:43	14°♁00'31	46°30'50		1524 Apr 14 j 16:54	0°♁	
	1521 Oct 29 j 18:18	0°♁			1524 May 09 j 14:49	0°♁	
	1521 Nov 25 j 02:12	0°♁			1524 Jun 04 j 01:04	0°♁	
	1521 Dec 20 j 03:26	0°♁			1524 Jun 30 j 07:40	0°♁	
	1522 Jan 13 j 16:23	0°♁		desc. node	1524 Jul 19 j 11:37	20°♁49'59	
desc. node	1522 Feb 01 j 16:38	23°♁25'02			1524 Jul 28 j 08:19	0°♁	
	1522 Feb 07 j 00:41	0°♁		evening max el	1524 Aug 06 j 03:27	8°♁41'49	46°01'32
	1522 Mar 03 j 07:48	0°♁			1524 Aug 31 j 13:12	0°♁	
	1522 Mar 27 j 15:25	0°♁		greatest brilliancy	1524 Sep 13 j 18:46	7°♁02'04	-4.6m
morning set	1522 Apr 19 j 21:54	28°♁38'55		retrograde	1524 Sep 24 j 07:49	9°♁02'30	
	1522 Apr 21 j 00:16	0°♁		evening set	1524 Oct 10 j 09:42	4°♁06'48	
	1522 May 15 j 10:09	0°♁		inferior conj	1524 Oct 15 j 01:39	1°♁20'26	-5°-58'00
asc. node	1522 May 25 j 20:04	12°♁47'28		minimum elong	1524 Oct 15 j 12:09	1°♁04'24	5°55'33
				min. Earth dist.	1524 Oct 15 j 21:29	0°♁50'10	0.27050 AU
superior conj	1522 May 26 j 21:55	14°♁06'51	0°02'35		1524 Oct 17 j 06:34	30°♁	
minimum elong	1522 May 26 j 21:23	14°♁05'12	0°02'33	morning rise	1524 Oct 20 j 14:06	28°♁04'43	
behind sun begin	1522 May 25 j 23:00	12°♁56'26					

direct	1524 Nov 04 j 20:18	23°♁31'32		asc. node	1527 Apr 27 j 10:17	26°♁44'14	
asc. node	1524 Nov 09 j 14:55	23°♁58'31			1527 Apr 30 j 02:01	0°♁	
greatest brilliancy	1524 Nov 18 j 07:23	26°♁52'33	-4.7m		1527 May 24 j 14:00	0°♁	
	1524 Nov 24 j 01:11	0°♁			1527 Jun 18 j 05:31	0°♁	
morning max el	1524 Dec 25 j 14:28	27°♁01'05	46°57'12		1527 Jul 13 j 01:50	0°♁	
	1524 Dec 28 j 12:04	0°♁			1527 Aug 07 j 05:41	0°♁	
	1525 Jan 24 j 20:12	0°♁		desc. node	1527 Aug 16 j 23:32	11°♁28'25	
desc. node	1525 Feb 19 j 14:23	0°♁			1527 Sep 01 j 21:47	0°♁	
	1525 Mar 01 j 04:32	11°♁22'57			1527 Sep 28 j 12:42	0°♁	
	1525 Mar 16 j 18:12	0°♁		evening max el	1527 Oct 19 j 07:39	21°♁54'17	47°08'38
	1525 Apr 10 j 15:46	0°♁			1527 Oct 27 j 15:21	0°♁	
	1525 May 05 j 10:18	0°♁		greatest brilliancy	1527 Nov 27 j 01:52	22°♁21'02	-4.7m
	1525 May 30 j 02:37	0°♁		asc. node	1527 Dec 08 j 02:57	25°♁00'59	
asc. node	1525 Jun 22 j 07:57	28°♁21'23		retrograde	1527 Dec 09 j 00:01	25°♁01'56	
	1525 Jun 23 j 16:10	0°♁		evening set	1527 Dec 23 j 21:36	20°♁36'47	
morning set	1525 Jun 26 j 19:44	3°♁51'33		min. Earth dist.	1527 Dec 28 j 21:01	17°♁40'50	0.26641 AU
	1525 Jul 18 j 02:06	0°♁		inferior conj	1527 Dec 29 j 14:50	17°♁13'27	5°13'31
max. Earth dist.	1525 Jul 29 j 18:42	14°♁26'14	1.73019 AU	minimum elong	1527 Dec 29 j 04:59	17°♁28'36	5°10'56
				morning rise	1528 Jan 03 j 12:40	14°♁17'35	
superior conj	1525 Aug 02 j 04:25	18°♁38'55	1°17'18	direct	1528 Jan 18 j 22:56	9°♁34'15	
minimum elong	1525 Aug 01 j 21:43	18°♁18'11	1°17'10	greatest brilliancy	1528 Jan 30 j 00:07	11°♁50'43	-4.6m
	1525 Aug 11 j 08:23	0°♁			1528 Feb 25 j 15:10	0°♁	
	1525 Sep 04 j 12:02	0°♁		morning max el	1528 Mar 08 j 20:47	11°♁29'28	46°30'31
evening rise	1525 Sep 07 j 19:57	4°♁08'30			1528 Mar 26 j 18:08	0°♁	
	1525 Sep 28 j 14:31	0°♁		desc. node	1528 Mar 28 j 16:20	2°♁04'21	
desc. node	1525 Oct 11 j 21:19	16°♁31'55			1528 Apr 22 j 18:30	0°♁	
	1525 Oct 22 j 17:04	0°♁			1528 May 18 j 17:19	0°♁	
	1525 Nov 15 j 20:37	0°♁			1528 Jun 13 j 03:03	0°♁	
	1525 Dec 10 j 02:47	0°♁			1528 Jul 08 j 03:21	0°♁	
	1526 Jan 03 j 15:30	0°♁		asc. node	1528 Jul 19 j 19:51	14°♁10'16	
	1526 Jan 28 j 18:58	0°♁			1528 Aug 01 j 19:06	0°♁	
asc. node	1526 Feb 02 j 00:37	4°♁56'01			1528 Aug 26 j 03:14	0°♁	
	1526 Feb 24 j 06:36	0°♁		morning set	1528 Sep 03 j 07:57	10°♁10'27	
evening max el	1526 Mar 14 j 02:42	18°♁31'52	45°57'46		1528 Sep 19 j 05:38	0°♁	
	1526 Mar 26 j 10:22	0°♁		max. Earth dist.	1528 Oct 08 j 21:57	24°♁37'58	1.71572 AU
greatest brilliancy	1526 Apr 17 j 15:16	15°♁36'24	-4.5m				
retrograde	1526 May 02 j 07:23	19°♁24'00		superior conj	1528 Oct 11 j 05:08	27°♁31'01	1°00'31
evening set	1526 May 17 j 10:50	14°♁58'10		minimum elong	1528 Oct 11 j 15:35	28°♁03'46	1°00'10
inferior conj	1526 May 23 j 18:47	11°♁09'30	0°11'13		1528 Oct 13 j 04:39	0°♁	
minimum elong	1526 May 23 j 19:12	11°♁08'51	0°11'07		1528 Nov 06 j 02:15	0°♁	
transit begin	1526 May 23 j 16:15	11°♁13'30		desc. node	1528 Nov 08 j 09:12	2°♁52'33	
transit end	1526 May 23 j 22:09	11°♁04'12		evening rise	1528 Nov 20 j 15:42	18°♁17'13	
min. Earth dist.	1526 May 23 j 19:18	11°♁08'42	0.28912 AU		1528 Nov 29 j 23:39	0°♁	
desc. node	1526 May 24 j 13:49	10°♁39'35			1528 Dec 23 j 21:56	0°♁	
morning rise	1526 May 30 j 03:38	7°♁19'15			1529 Jan 16 j 22:53	0°♁	
direct	1526 Jun 14 j 08:53	2°♁52'50			1529 Feb 10 j 05:26	0°♁	
greatest brilliancy	1526 Jun 27 j 18:11	5°♁59'55	-4.5m	asc. node	1529 Mar 01 j 12:34	23°♁30'18	
	1526 Jul 30 j 08:48	0°♁			1529 Mar 06 j 21:58	0°♁	
morning max el	1526 Aug 02 j 03:44	2°♁38'35	45°49'59		1529 Apr 01 j 06:54	0°♁	
	1526 Aug 28 j 13:49	0°♁			1529 Apr 27 j 20:45	0°♁	
asc. node	1526 Sep 14 j 17:31	19°♁18'48		evening max el	1529 May 23 j 15:31	26°♁36'26	45°22'12
	1526 Sep 23 j 22:13	0°♁			1529 May 27 j 05:52	0°♁	
	1526 Oct 18 j 23:56	0°♁		desc. node	1529 Jun 21 j 01:55	19°♁34'10	
	1526 Nov 12 j 09:43	0°♁		greatest brilliancy	1529 Jun 28 j 03:53	23°♁13'28	-4.5m
	1526 Dec 06 j 11:49	0°♁		retrograde	1529 Jul 11 j 05:25	26°♁12'21	
	1526 Dec 30 j 11:03	0°♁		evening set	1529 Jul 28 j 04:56	20°♁46'18	
desc. node	1527 Jan 04 j 06:51	6°♁02'46		inferior conj	1529 Aug 01 j 14:15	18°♁06'34	-7°-50'-23
	1527 Jan 23 j 09:57	0°♁		minimum elong	1529 Aug 01 j 06:23	18°♁18'45	7°49'25
morning set	1527 Feb 03 j 18:08	14°♁11'19		min. Earth dist.	1529 Aug 01 j 19:54	17°♁57'49	0.28769 AU
	1527 Feb 16 j 09:57	0°♁		morning rise	1529 Aug 05 j 07:41	15°♁49'49	
	1527 Mar 12 j 12:09	0°♁		direct	1529 Aug 23 j 03:34	9°♁51'57	
				greatest brilliancy	1529 Sep 06 j 15:32	13°♁34'59	-4.6m
superior conj	1527 Mar 15 j 17:52	4°♁01'13	-1°-19'-34		1529 Sep 29 j 18:18	0°♁	
minimum elong	1527 Mar 16 j 01:17	4°♁24'15	1°19'27	morning max el	1529 Oct 12 j 04:29	11°♁45'33	46°29'17
max. Earth dist.	1527 Mar 19 j 13:11	8°♁44'27	1.72512 AU	asc. node	1529 Oct 12 j 05:11	11°♁47'20	
	1527 Apr 05 j 17:24	0°♁			1529 Oct 29 j 11:48	0°♁	
evening rise	1527 Apr 23 j 05:29	21°♁34'24			1529 Nov 24 j 16:35	0°♁	

	1529 Dec 19 j 16:26	0°♁			1532 Jun 03 j 14:15	0°♁		
	1530 Jan 13 j 04:37	0°♁			1532 Jun 29 j 23:01	0°♁		
desc. node	1530 Jan 31 j 18:42	22°♁54'49		desc. node	1532 Jul 18 j 13:40	20°♁07'11		
	1530 Feb 06 j 12:25	0°♁			1532 Jul 28 j 05:06	0°♁		
	1530 Mar 02 j 19:10	0°♁		evening max el	1532 Aug 03 j 16:13	6°♁20'26	45°59'07	
	1530 Mar 27 j 02:31	0°♁			1532 Sep 01 j 19:33	0°♁		
morning set	1530 Apr 17 j 14:21	26°♁28'28		greatest brilliancy	1532 Sep 11 j 08:10	4°♁39'34	-4.6m	
	1530 Apr 20 j 11:08	0°♁		retrograde	1532 Sep 21 j 19:38	6°♁38'51		
	1530 May 14 j 20:52	0°♁		evening set	1532 Oct 08 j 01:48	1°♁38'25		
					1532 Oct 10 j 20:52	30°♁		
superior conj	1530 May 24 j 15:39	12°♁01'01	0°00'-38	inferior conj	1532 Oct 12 j 14:42	28°♁56'23	-6°-14'-44	
minimum elong	1530 May 24 j 15:47	12°♁01'25	0°00'39	minimum elong	1532 Oct 13 j 01:15	28°♁40'15	6°12'22	
behind sun begin	1530 May 23 j 17:13	10°♁52'05		min. Earth dist.	1532 Oct 13 j 11:32	28°♁24'32	0.27111 AU	
behind sun end	1530 May 25 j 14:21	13°♁10'44		morning rise	1532 Oct 18 j 00:09	25°♁44'23		
max. Earth dist.	1530 May 24 j 17:15	12°♁05'56	1.73586 AU	direct	1532 Nov 02 j 09:28	21°♁06'17		
asc. node	1530 May 24 j 22:11	12°♁21'06		asc. node	1532 Nov 08 j 17:04	21°♁52'49		
	1530 Jun 08 j 06:59	0°♁		greatest brilliancy	1532 Nov 15 j 23:24	24°♁29'44	-4.7m	
evening rise	1530 Jun 29 j 17:37	26°♁21'14			1532 Nov 25 j 08:09	0°♁		
	1530 Jul 02 j 16:47	0°♁		morning max el	1532 Dec 23 j 03:10	24°♁33'05	46°57'20	
	1530 Jul 27 j 02:24	0°♁			1532 Dec 28 j 09:26	0°♁		
	1530 Aug 20 j 12:47	0°♁			1533 Jan 24 j 12:13	0°♁		
desc. node	1530 Sep 13 j 11:27	29°♁17'43		desc. node	1533 Feb 19 j 04:12	0°♁		
	1530 Sep 14 j 01:19	0°♁			1533 Feb 28 j 06:33	10°♁49'20		
	1530 Oct 08 j 17:25	0°♁			1533 Mar 16 j 06:51	0°♁		
	1530 Nov 02 j 15:49	0°♁			1533 Apr 10 j 03:41	0°♁		
	1530 Nov 28 j 03:58	0°♁			1533 May 04 j 21:44	0°♁		
	1530 Dec 25 j 04:20	0°♁			1533 May 29 j 13:45	0°♁		
evening max el	1530 Dec 30 j 12:00	5°♁30'50	47°07'00	asc. node	1533 Jun 21 j 10:05	27°♁54'21		
asc. node	1531 Jan 04 j 14:50	10°♁38'01			1533 Jun 23 j 03:06	0°♁		
	1531 Jan 27 j 06:13	0°♁		morning set	1533 Jun 24 j 13:51	1°♁46'26		
greatest brilliancy	1531 Feb 05 j 10:02	5°♁23'18	-4.6m		1533 Jul 17 j 12:58	0°♁		
retrograde	1531 Feb 19 j 06:13	8°♁53'50		max. Earth dist.	1533 Jul 27 j 13:49	12°♁23'24	1.73064 AU	
evening set	1531 Mar 08 j 23:37	2°♁46'19						
min. Earth dist.	1531 Mar 11 j 23:41	0°♁53'52	0.28208 AU	superior conj	1533 Jul 30 j 22:25	16°♁32'33	1°15'56	
inferior conj	1531 Mar 12 j 08:00	0°♁40'44	8°14'55	minimum elong	1533 Jul 30 j 15:18	16°♁10'32	1°15'47	
minimum elong	1531 Mar 12 j 14:16	0°♁30'51	8°14'18		1533 Aug 10 j 19:17	0°♁		
	1531 Mar 13 j 09:52	30°♁			1533 Sep 03 j 23:04	0°♁		
morning rise	1531 Mar 16 j 05:11	28°♁16'35		evening rise	1533 Sep 05 j 11:47	1°♁54'08		
direct	1531 Apr 02 j 09:37	22°♁36'26			1533 Sep 28 j 01:47	0°♁		
greatest brilliancy	1531 Apr 13 j 17:51	24°♁57'16	-4.5m	desc. node	1533 Oct 10 j 23:22	16°♁02'47		
	1531 Apr 23 j 12:34	0°♁			1533 Oct 22 j 04:37	0°♁		
desc. node	1531 Apr 26 j 04:00	1°♁42'59			1533 Nov 15 j 08:30	0°♁		
morning max el	1531 May 21 j 10:14	22°♁54'20	45°50'26		1533 Dec 09 j 15:04	0°♁		
	1531 May 28 j 15:47	0°♁			1534 Jan 03 j 04:27	0°♁		
	1531 Jun 25 j 22:14	0°♁			1534 Jan 28 j 09:13	0°♁		
	1531 Jul 22 j 08:12	0°♁		asc. node	1534 Feb 01 j 02:38	4°♁19'41		
	1531 Aug 16 j 18:22	0°♁			1534 Feb 23 j 23:59	0°♁		
asc. node	1531 Aug 17 j 07:37	0°♁39'42		evening max el	1534 Mar 11 j 17:07	16°♁15'29	45°59'59	
	1531 Sep 10 j 12:20	0°♁			1534 Mar 26 j 15:48	0°♁		
	1531 Oct 04 j 19:08	0°♁		greatest brilliancy	1534 Apr 15 j 06:44	13°♁25'34	-4.5m	
	1531 Oct 28 j 19:11	0°♁		retrograde	1534 Apr 29 j 23:53	17°♁15'15		
morning set	1531 Nov 15 j 23:50	22°♁51'40		evening set	1534 May 15 j 04:17	12°♁47'39		
	1531 Nov 21 j 16:02	0°♁		inferior conj	1534 May 21 j 11:21	9°♁00'30	0°31'03	
desc. node	1531 Dec 06 j 21:05	19°♁08'40		minimum elong	1534 May 21 j 12:30	8°♁58'42	0°30'42	
	1531 Dec 15 j 12:02	0°♁		min. Earth dist.	1534 May 21 j 12:17	8°♁59'03	0.28905 AU	
				desc. node	1534 May 23 j 16:01	7°♁38'07		
superior conj	1531 Dec 27 j 11:49	15°♁05'05	0°-46'-40	morning rise	1534 May 27 j 20:43	5°♁09'32		
minimum elong	1531 Dec 27 j 00:58	14°♁30'57	0°46'14	direct	1534 Jun 12 j 00:42	0°♁43'42		
max. Earth dist.	1531 Dec 29 j 17:44	17°♁54'32	1.71136 AU	greatest brilliancy	1534 Jun 25 j 10:39	3°♁51'13	-4.5m	
	1532 Jan 08 j 08:36	0°♁			1534 Jul 30 j 07:57	0°♁		
	1532 Feb 01 j 06:53	0°♁		morning max el	1534 Jul 30 j 19:36	0°♁27'49	45°49'15	
evening rise	1532 Feb 06 j 17:05	6°♁46'55			1534 Aug 28 j 05:47	0°♁		
	1532 Feb 25 j 08:25	0°♁		asc. node	1534 Sep 13 j 19:34	18°♁43'45		
	1532 Mar 20 j 14:59	0°♁			1534 Sep 23 j 11:48	0°♁		
asc. node	1532 Mar 29 j 00:27	10°♁17'47			1534 Oct 18 j 12:27	0°♁		
	1532 Apr 14 j 04:26	0°♁			1534 Nov 11 j 21:42	0°♁		
	1532 May 09 j 02:56	0°♁			1534 Dec 05 j 23:31	0°♁		

	1534 Dec 29 j 22:33	0°☿		evening set	1537 Jul 25 j 17:20	18°♍39'36	
desc. node	1535 Jan 03 j 08:51	5°☿33'05		inferior conj	1537 Jul 30 j 05:58	15°♍54'40	-7°-41'-11
	1535 Jan 22 j 21:16	0°♁		minimum elong	1537 Jul 29 j 21:40	16°♍07'33	7°40'05
morning set	1535 Feb 01 j 04:51	11°♁39'33		min. Earth dist.	1537 Jul 30 j 10:35	15°♍47'29	0.28798 AU
	1535 Feb 15 j 21:06	0°♂		morning rise	1537 Aug 03 j 01:51	13°♍34'04	
	1535 Mar 11 j 23:11	0°♀		direct	1537 Aug 20 j 20:13	7°♍39'56	
				greatest brilliancy	1537 Sep 04 j 06:08	11°♍20'36	-4.6m
superior conj	1535 Mar 13 j 07:55	1°♀41'39	-1°-20'-51		1537 Sep 29 j 22:06	0°♎	
minimum elong	1535 Mar 13 j 14:44	2°♀02'47	1°20'45	morning max el	1537 Oct 09 j 19:27	9°♎27'58	46°27'37
max. Earth dist.	1535 Mar 17 j 02:33	6°♀22'54	1.72455 AU	asc. node	1537 Oct 11 j 07:21	10°♎58'02	
	1535 Apr 05 j 04:23	0°♄			1537 Oct 29 j 05:14	0°♏	
evening rise	1535 Apr 20 j 21:59	19°♄23'45			1537 Nov 24 j 07:02	0°♐	
asc. node	1535 Apr 26 j 12:27	26°♄17'03			1537 Dec 19 j 05:32	0°♑	
	1535 Apr 29 j 13:03	0°♁			1538 Jan 12 j 16:58	0°☿	
	1535 May 24 j 01:10	0°♂		desc. node	1538 Jan 30 j 20:41	22°☿23'58	
	1535 Jun 17 j 17:01	0°♍			1538 Feb 06 j 00:17	0°♁	
	1535 Jul 12 j 13:56	0°♎			1538 Mar 02 j 06:41	0°♂	
	1535 Aug 06 j 18:44	0°♏			1538 Mar 26 j 13:46	0°♀	
desc. node	1535 Aug 16 j 01:29	10°♏54'27		morning set	1538 Apr 15 j 06:45	24°♀17'13	
	1535 Sep 01 j 12:32	0°♐			1538 Apr 19 j 22:10	0°♄	
	1535 Sep 28 j 06:50	0°♑			1538 May 14 j 07:46	0°♁	
evening max el	1535 Oct 16 j 21:26	19°♑29'52	47°07'04				
	1535 Oct 27 j 19:51	0°☿		superior conj	1538 May 22 j 09:28	9°♐54'53	0°-3'-52
greatest brilliancy	1535 Nov 24 j 15:01	19°☿51'42	-4.7m	minimum elong	1538 May 22 j 10:16	9°♐57'20	0°03'50
retrograde	1535 Dec 06 j 13:09	22°☿32'24		behind sun begin	1538 May 21 j 12:07	8°♐49'17	
asc. node	1535 Dec 07 j 05:02	22°☿31'51		behind sun end	1538 May 23 j 08:25	11°♐05'23	
evening set	1535 Dec 21 j 07:37	18°☿10'44		max. Earth dist.	1538 May 22 j 15:54	10°♐14'38	1.73570 AU
min. Earth dist.	1535 Dec 26 j 10:05	15°☿10'50	0.26604 AU	asc. node	1538 May 24 j 00:18	11°♐54'08	
inferior conj	1535 Dec 27 j 03:16	14°☿44'31	4°53'32		1538 Jun 07 j 17:50	0°♑	
minimum elong	1535 Dec 26 j 17:45	14°☿59'06	4°50'58	evening rise	1538 Jun 27 j 12:40	24°♑18'44	
morning rise	1536 Jan 01 j 04:14	11°☿44'47			1538 Jul 02 j 03:43	0°♍	
direct	1536 Jan 16 j 11:32	7°☿05'41			1538 Jul 26 j 13:32	0°♎	
greatest brilliancy	1536 Jan 27 j 13:55	9°☿24'08	-4.6m		1538 Aug 20 j 00:17	0°♏	
	1536 Feb 25 j 20:45	0°♁		desc. node	1538 Sep 12 j 13:32	28°♏47'32	
morning max el	1536 Mar 06 j 11:07	9°♁08'27	46°32'10		1538 Sep 13 j 13:19	0°♐	
	1536 Mar 26 j 12:13	0°♂			1538 Oct 08 j 06:09	0°♑	
desc. node	1536 Mar 27 j 18:22	1°♂21'44			1538 Nov 02 j 05:40	0°☿	
	1536 Apr 22 j 09:05	0°♀			1538 Nov 27 j 19:50	0°♁	
	1536 May 18 j 06:14	0°♄			1538 Dec 25 j 01:09	0°♂	
	1536 Jun 12 j 15:04	0°♁		evening max el	1538 Dec 28 j 02:52	3°♂09'52	47°08'32
	1536 Jul 07 j 14:49	0°♂		asc. node	1539 Jan 03 j 16:49	9°♂42'58	
asc. node	1536 Jul 18 j 21:48	13°♂41'45			1539 Jan 28 j 10:29	0°♀	
	1536 Aug 01 j 06:16	0°♍		greatest brilliancy	1539 Feb 03 j 04:01	3°♀08'14	-4.6m
	1536 Aug 25 j 14:17	0°♎		retrograde	1539 Feb 16 j 21:22	6°♀35'31	
morning set	1536 Sep 01 j 00:07	7°♎57'13		evening set	1539 Mar 06 j 16:45	0°♀25'38	
	1536 Sep 18 j 16:41	0°♏			1539 Mar 07 j 09:22	30°♂	
max. Earth dist.	1536 Oct 06 j 09:43	22°♏09'42	1.71613 AU	min. Earth dist.	1539 Mar 09 j 13:57	28°♂37'26	0.28163 AU
				inferior conj	1539 Mar 09 j 23:02	28°♂23'04	8°21'54
superior conj	1536 Oct 08 j 18:38	25°♏08'03	1°03'02	minimum elong	1539 Mar 10 j 04:39	28°♂14'11	8°21'25
minimum elong	1536 Oct 09 j 04:58	25°♏40'26	1°02'40	morning rise	1539 Mar 13 j 16:49	26°♂03'48	
	1536 Oct 12 j 15:46	0°♐		direct	1539 Mar 31 j 00:11	20°♂19'45	
	1536 Nov 05 j 13:26	0°♑		greatest brilliancy	1539 Apr 11 j 06:07	22°♂38'11	-4.5m
desc. node	1536 Nov 07 j 11:20	2°♑24'04			1539 Apr 24 j 13:59	0°♀	
evening rise	1536 Nov 18 j 02:19	15°♑44'31		desc. node	1539 Apr 25 j 06:11	0°♀28'08	
	1536 Nov 29 j 10:58	0°☿		morning max el	1539 May 19 j 00:22	20°♀38'08	45°51'19
	1536 Dec 23 j 09:24	0°♁			1539 May 28 j 11:50	0°♄	
	1537 Jan 16 j 10:33	0°♂			1539 Jun 25 j 13:16	0°♁	
	1537 Feb 09 j 17:26	0°♀			1539 Jul 21 j 21:13	0°♂	
asc. node	1537 Feb 28 j 14:35	22°♀59'03			1539 Aug 16 j 06:23	0°♍	
	1537 Mar 06 j 10:31	0°♄		asc. node	1539 Aug 16 j 09:44	0°♍10'02	
	1537 Mar 31 j 20:35	0°♁			1539 Sep 09 j 23:51	0°♎	
	1537 Apr 27 j 13:03	0°♂			1539 Oct 04 j 06:24	0°♏	
evening max el	1537 May 21 j 07:55	24°♂26'53	45°22'15		1539 Oct 28 j 06:20	0°♐	
	1537 May 27 j 06:36	0°♍		morning set	1539 Nov 13 j 11:16	20°♐21'38	
desc. node	1537 Jun 20 j 03:53	18°♍13'10			1539 Nov 21 j 03:10	0°♑	
greatest brilliancy	1537 Jun 25 j 17:24	21°♍00'23	-4.5m	desc. node	1539 Dec 05 j 23:05	18°♑39'54	
retrograde	1537 Jul 08 j 20:57	24°♍00'58			1539 Dec 14 j 23:10	0°☿	

superior conj	1539 Dec 24 j 21:20	12°☿29'08	0°-43'-13	morning rise	1542 May 25 j 13:26	2°♃59'59	
minimum elong	1539 Dec 24 j 11:01	11°☿56'41	0°42'48		1542 Jun 01 j 05:09	30°♃	
max. Earth dist.	1539 Dec 26 j 20:26	14°☿57'14	1.71115 AU	direct	1542 Jun 09 j 16:40	28°♃34'22	
	1540 Jan 07 j 19:43	0°♁			1542 Jun 18 j 13:39	0°♃	
evening rise	1540 Jan 31 j 17:59	0°♁		greatest brilliancy	1542 Jun 23 j 02:42	1°♃42'20	-4.5m
	1540 Feb 04 j 03:47	4°♁15'40		morning max el	1542 Jul 28 j 12:06	28°♃19'20	45°48'33
	1540 Feb 24 j 19:32	0°♃			1542 Jul 30 j 05:55	0°♃	
asc. node	1540 Mar 20 j 02:14	0°♃			1542 Aug 27 j 21:15	0°♃	
	1540 Mar 28 j 02:38	9°♃49'45		asc. node	1542 Sep 12 j 21:38	18°♃09'43	
	1540 Apr 13 j 16:01	0°♃			1542 Sep 23 j 01:00	0°♃	
	1540 May 08 j 15:06	0°♃			1542 Oct 18 j 00:37	0°♃	
	1540 Jun 03 j 03:31	0°♃			1542 Nov 11 j 09:19	0°♃	
	1540 Jun 29 j 14:31	0°♃			1542 Dec 05 j 10:51	0°♃	
desc. node	1540 Jul 17 j 15:41	19°♃24'02			1542 Dec 29 j 09:41	0°♃	
	1540 Jul 28 j 02:29	0°♃		desc. node	1543 Jan 02 j 10:51	5°♃04'33	
evening max el	1540 Aug 01 j 04:25	3°♃58'15	45°56'55		1543 Jan 22 j 08:15	0°♃	
	1540 Sep 03 j 14:59	0°♃		morning set	1543 Jan 29 j 15:23	9°♃08'06	
greatest brilliancy	1540 Sep 08 j 20:46	2°♃17'09	-4.6m		1543 Feb 15 j 07:58	0°♃	
retrograde	1540 Sep 19 j 07:51	4°♃16'30					
	1540 Oct 04 j 06:22	30°♃		superior conj	1543 Mar 10 j 21:27	29°♃21'06	-1°-22'00
evening set	1540 Oct 05 j 17:58	29°♃10'53		minimum elong	1543 Mar 11 j 03:36	29°♃40'11	1°21'57
inferior conj	1540 Oct 10 j 03:52	26°♃33'19	-6°-30'-29		1543 Mar 11 j 09:59	0°♃	
minimum elong	1540 Oct 10 j 14:25	26°♃17'12	6°28'14	max. Earth dist.	1543 Mar 14 j 15:38	4°♃01'11	1.72403 AU
min. Earth dist.	1540 Oct 11 j 01:32	26°♃00'14	0.27179 AU		1543 Apr 04 j 15:07	0°♃	
morning rise	1540 Oct 15 j 10:16	23°♃25'28		evening rise	1543 Apr 18 j 13:55	17°♃12'04	
direct	1540 Oct 30 j 22:48	18°♃41'51		asc. node	1543 Apr 25 j 14:27	25°♃50'12	
asc. node	1540 Nov 07 j 19:09	19°♃52'49			1543 Apr 28 j 23:49	0°♃	
greatest brilliancy	1540 Nov 13 j 16:13	22°♃08'52	-4.7m		1543 May 23 j 12:05	0°♃	
	1540 Nov 26 j 06:17	0°♃			1543 Jun 17 j 04:17	0°♃	
morning max el	1540 Dec 20 j 16:35	22°♃07'08	46°57'12		1543 Jul 12 j 01:48	0°♃	
	1540 Dec 28 j 06:00	0°♃			1543 Aug 06 j 07:37	0°♃	
	1541 Jan 24 j 03:58	0°♃		desc. node	1543 Aug 15 j 03:36	10°♃21'33	
	1541 Feb 18 j 17:54	0°♃			1543 Sep 01 j 03:09	0°♃	
desc. node	1541 Feb 27 j 08:39	10°♃16'09			1543 Sep 28 j 01:02	0°♃	
	1541 Mar 15 j 19:22	0°♃		evening max el	1543 Oct 14 j 12:07	17°♃09'02	47°05'34
	1541 Apr 09 j 15:28	0°♃			1543 Oct 28 j 01:44	0°♃	
	1541 May 04 j 09:02	0°♃		greatest brilliancy	1543 Nov 22 j 04:24	17°♃24'22	-4.7m
	1541 May 29 j 00:44	0°♃		retrograde	1543 Dec 04 j 02:34	20°♃04'26	
asc. node	1541 Jun 20 j 12:01	27°♃27'09		asc. node	1543 Dec 06 j 06:56	19°♃58'31	
morning set	1541 Jun 22 j 07:47	29°♃41'15		evening set	1543 Dec 18 j 18:03	15°♃46'16	
	1541 Jun 22 j 13:55	0°♃		min. Earth dist.	1543 Dec 23 j 23:04	12°♃42'46	0.26566 AU
	1541 Jul 16 j 23:42	0°♃		inferior conj	1543 Dec 24 j 15:47	12°♃17'13	4°33'05
max. Earth dist.	1541 Jul 25 j 10:11	10°♃24'54	1.73105 AU	minimum elong	1543 Dec 24 j 06:41	12°♃31'08	4°30'33
				morning rise	1543 Dec 29 j 19:45	9°♃13'46	
superior conj	1541 Jul 28 j 16:26	14°♃26'42	1°14'27	direct	1544 Jan 14 j 00:30	4°♃39'06	
minimum elong	1541 Jul 28 j 08:56	14°♃03'31	1°14'17	greatest brilliancy	1544 Jan 25 j 02:45	6°♃58'05	-4.6m
	1541 Aug 10 j 06:01	0°♃			1544 Feb 25 j 23:54	0°♃	
evening rise	1541 Sep 03 j 03:53	29°♃41'19		morning max el	1544 Mar 04 j 01:19	6°♃48'22	46°33'31
	1541 Sep 03 j 09:54	0°♃			1544 Mar 26 j 05:28	0°♃	
	1541 Sep 27 j 12:49	0°♃		desc. node	1544 Mar 26 j 20:31	0°♃41'03	
desc. node	1541 Oct 10 j 01:32	15°♃34'48			1544 Apr 21 j 23:10	0°♃	
	1541 Oct 21 j 15:57	0°♃			1544 May 17 j 18:47	0°♃	
	1541 Nov 14 j 20:10	0°♃			1544 Jun 12 j 02:43	0°♃	
	1541 Dec 09 j 03:12	0°♃			1544 Jul 07 j 01:57	0°♃	
	1542 Jan 02 j 17:20	0°♃		asc. node	1544 Jul 17 j 23:54	13°♃14'43	
	1542 Jan 27 j 23:31	0°♃			1544 Jul 31 j 17:06	0°♃	
asc. node	1542 Jan 31 j 04:41	3°♃43'29			1544 Aug 25 j 01:01	0°♃	
	1542 Feb 23 j 17:40	0°♃		morning set	1544 Aug 29 j 16:07	5°♃44'37	
evening max el	1542 Mar 09 j 07:53	14°♃00'12	46°02'23		1544 Sep 18 j 03:25	0°♃	
	1542 Mar 26 j 23:25	0°♃		max. Earth dist.	1544 Oct 03 j 18:51	19°♃34'14	1.71656 AU
greatest brilliancy	1542 Apr 12 j 21:58	11°♃14'31	-4.5m				
retrograde	1542 Apr 27 j 16:42	15°♃06'21		superior conj	1544 Oct 06 j 08:14	22°♃46'29	1°05'24
evening set	1542 May 12 j 21:41	10°♃36'45		minimum elong	1544 Oct 06 j 18:22	23°♃18'15	1°05'05
inferior conj	1542 May 19 j 03:40	6°♃51'12	0°50'53		1544 Oct 12 j 02:34	0°♃	
minimum elong	1542 May 19 j 05:32	6°♃48'17	0°50'20		1544 Nov 05 j 00:19	0°♃	
min. Earth dist.	1542 May 19 j 04:39	6°♃49'39	0.28896 AU	desc. node	1544 Nov 06 j 13:19	1°♃56'06	
desc. node	1542 May 22 j 17:57	4°♃37'34		evening rise	1544 Nov 15 j 13:03	13°♃13'11	

	1544 Nov 28 j 21:56	0°☾		morning max el	1547 May 16 j 14:09	18°♃22'05	45°52'15
	1544 Dec 22 j 20:29	0°♁			1547 May 28 j 06:50	0°♄	
	1545 Jan 15 j 21:48	0°♃			1547 Jun 25 j 03:45	0°♂	
	1545 Feb 09 j 05:00	0°♃			1547 Jul 21 j 09:53	0°♁	
asc. node	1545 Feb 27 j 16:43	22°♃29'24		asc. node	1547 Aug 15 j 11:50	29°♁41'00	
	1545 Mar 05 j 22:41	0°♄			1547 Aug 15 j 18:10	0°♂	
	1545 Mar 31 j 09:58	0°♂			1547 Sep 09 j 11:09	0°♃	
	1545 Apr 27 j 05:16	0°♁			1547 Oct 03 j 17:28	0°♂	
evening max el	1545 May 18 j 23:51	22°♁17'00	45°22'17		1547 Oct 27 j 17:18	0°♂	
	1545 May 27 j 08:18	0°♂		morning set	1547 Nov 10 j 22:45	17°♂52'18	
desc. node	1545 Jun 19 j 05:55	16°♂50'23			1547 Nov 20 j 14:06	0°♃	
greatest brilliancy	1545 Jun 23 j 07:48	18°♂49'07	-4.5m	desc. node	1547 Dec 05 j 01:03	18°♃11'38	
retrograde	1545 Jul 06 j 12:04	21°♂50'29			1547 Dec 14 j 10:08	0°♄	
evening set	1545 Jul 23 j 05:45	16°♂33'58					
inferior conj	1545 Jul 27 j 21:43	13°♂43'52	-7°-31'-16	superior conj	1547 Dec 22 j 06:48	9°♄53'31	0°-39'-41
minimum elong	1545 Jul 27 j 13:01	13°♂57'25	7°30'02	minimum elong	1547 Dec 21 j 21:06	9°♄23'00	0°39'16
min. Earth dist.	1545 Jul 28 j 01:39	13°♂37'44	0.28823 AU	max. Earth dist.	1547 Dec 23 j 21:29	11°♄55'09	1.71099 AU
morning rise	1545 Jul 31 j 20:07	11°♂19'13			1548 Jan 07 j 06:41	0°♁	
direct	1545 Aug 18 j 12:19	5°♂28'58			1548 Jan 31 j 04:57	0°♃	
greatest brilliancy	1545 Sep 01 j 20:34	9°♂06'58	-4.5m	evening rise	1548 Feb 01 j 14:28	1°♃44'49	
	1545 Sep 29 j 23:55	0°♃			1548 Feb 24 j 06:31	0°♃	
morning max el	1545 Oct 07 j 09:28	7°♃09'04	46°25'56		1548 Mar 19 j 13:19	0°♄	
asc. node	1545 Oct 10 j 09:26	10°♃10'15		asc. node	1548 Mar 27 j 04:38	9°♄21'46	
	1545 Oct 28 j 21:58	0°♂			1548 Apr 13 j 03:23	0°♂	
	1545 Nov 23 j 21:02	0°♂			1548 May 08 j 03:04	0°♁	
	1545 Dec 18 j 18:15	0°♃			1548 Jun 02 j 16:39	0°♂	
	1546 Jan 12 j 04:56	0°♄			1548 Jun 29 j 06:04	0°♃	
desc. node	1546 Jan 29 j 22:48	21°♄54'42		desc. node	1548 Jul 16 j 17:47	18°♃40'52	
	1546 Feb 05 j 11:45	0°♁			1548 Jul 28 j 00:33	0°♂	
	1546 Mar 01 j 17:48	0°♃		evening max el	1548 Jul 29 j 17:08	1°♂37'52	45°54'38
	1546 Mar 26 j 00:35	0°♃		greatest brilliancy	1548 Sep 06 j 08:24	29°♂54'01	-4.6m
morning set	1546 Apr 12 j 23:21	22°♃07'44			1548 Sep 06 j 15:02	0°♂	
	1546 Apr 19 j 08:48	0°♄		retrograde	1548 Sep 16 j 20:36	1°♂54'32	
	1546 May 13 j 18:18	0°♂			1548 Sep 26 j 16:17	30°♂	
				evening set	1548 Oct 03 j 10:07	26°♂43'32	
superior conj	1546 May 20 j 03:22	7°♂50'05	0°-7'-2	inferior conj	1548 Oct 07 j 17:01	24°♂10'22	-6°-45'-20
minimum elong	1546 May 20 j 04:50	7°♂54'36	0°06'59	minimum elong	1548 Oct 08 j 03:29	23°♂54'25	6°43'14
behind sun begin	1546 May 19 j 08:13	6°♂51'17		min. Earth dist.	1548 Oct 08 j 15:11	23°♂36'35	0.27249 AU
behind sun end	1546 May 21 j 01:27	8°♂57'55		morning rise	1548 Oct 12 j 20:16	21°♂07'07	
max. Earth dist.	1546 May 20 j 13:03	8°♂19'50	1.73556 AU	direct	1548 Oct 28 j 12:33	16°♂17'34	
asc. node	1546 May 23 j 02:15	11°♂27'47		asc. node	1548 Nov 06 j 21:04	17°♂57'26	
	1546 Jun 07 j 04:22	0°♁		greatest brilliancy	1548 Nov 11 j 09:01	19°♂48'19	-4.7m
evening rise	1546 Jun 25 j 07:38	22°♁16'53			1548 Nov 26 j 22:42	0°♂	
	1546 Jul 01 j 14:22	0°♂		morning max el	1548 Dec 18 j 06:55	19°♂43'42	46°57'04
	1546 Jul 26 j 00:25	0°♃			1548 Dec 28 j 01:54	0°♃	
	1546 Aug 19 j 11:31	0°♂			1549 Jan 23 j 19:26	0°♄	
desc. node	1546 Sep 11 j 15:37	28°♂18'09			1549 Feb 18 j 07:26	0°♁	
	1546 Sep 13 j 01:05	0°♂		desc. node	1549 Feb 26 j 10:42	9°♁43'03	
	1546 Oct 07 j 18:42	0°♃			1549 Mar 15 j 07:48	0°♃	
	1546 Nov 01 j 19:24	0°♄			1549 Apr 09 j 03:11	0°♃	
	1546 Nov 27 j 11:42	0°♁			1549 May 03 j 20:16	0°♄	
	1546 Dec 24 j 22:22	0°♃			1549 May 28 j 11:38	0°♂	
evening max el	1546 Dec 25 j 16:59	0°♃47'37	47°10'04	asc. node	1549 Jun 19 j 14:08	27°♂00'47	
asc. node	1547 Jan 02 j 18:57	8°♃47'56		morning set	1549 Jun 20 j 02:09	27°♂37'35	
	1547 Jan 30 j 02:33	0°♃			1549 Jun 22 j 00:38	0°♁	
greatest brilliancy	1547 Jan 31 j 22:03	0°♃53'59	-4.6m		1549 Jul 16 j 10:21	0°♂	
retrograde	1547 Feb 14 j 12:21	4°♃18'24		max. Earth dist.	1549 Jul 23 j 08:36	8°♂32'53	1.73148 AU
	1547 Mar 01 j 04:14	30°♃					
evening set	1547 Mar 04 j 09:43	28°♃06'32		superior conj	1549 Jul 26 j 10:43	12°♂21'51	1°12'54
min. Earth dist.	1547 Mar 07 j 04:32	26°♃22'01	0.28113 AU	minimum elong	1549 Jul 26 j 02:54	11°♂57'43	1°12'42
inferior conj	1547 Mar 07 j 14:12	26°♃06'44	8°28'06		1549 Aug 09 j 16:44	0°♃	
minimum elong	1547 Mar 07 j 19:06	25°♃58'58	8°27'45	evening rise	1549 Aug 31 j 20:15	27°♃29'10	
morning rise	1547 Mar 11 j 04:43	23°♃52'14			1549 Sep 02 j 20:48	0°♂	
direct	1547 Mar 28 j 14:18	18°♃04'18			1549 Sep 26 j 23:59	0°♂	
greatest brilliancy	1547 Apr 08 j 19:14	20°♃21'19	-4.5m	desc. node	1549 Oct 09 j 03:28	15°♂05'44	
desc. node	1547 Apr 24 j 08:07	29°♃16'19			1549 Oct 21 j 03:24	0°♃	
	1547 Apr 25 j 07:59	0°♃			1549 Nov 14 j 07:58	0°♄	

	1549 Dec 08 j 15:29	0°♊			1552 Jul 06 j 13:22	0°♋		
	1550 Jan 02 j 06:24	0°♋		asc. node	1552 Jul 17 j 02:00	12°♋46'46		
	1550 Jan 27 j 14:06	0°♌			1552 Jul 31 j 04:13	0°♌		
asc. node	1550 Jan 30 j 06:47	3°♌06'50			1552 Aug 24 j 12:00	0°♍		
	1550 Feb 23 j 11:53	0°♍		morning set	1552 Aug 27 j 08:40	3°♍32'57		
evening max el	1550 Mar 06 j 23:42	11°♍47'08	46°04'51		1552 Sep 17 j 14:24	0°♎		
	1550 Mar 27 j 10:00	0°♎		max. Earth dist.	1552 Oct 01 j 04:39	17°♎00'11	1.71704 AU	
greatest brilliancy	1550 Apr 10 j 14:07	9°♎04'34	-4.5m					
retrograde	1550 Apr 25 j 09:59	12°♎57'22		superior conj	1552 Oct 03 j 22:31	20°♎26'23	1°07'36	
evening set	1550 May 10 j 15:25	8°♎25'52		minimum elong	1552 Oct 04 j 08:24	20°♎57'20	1°07'19	
inferior conj	1550 May 16 j 20:06	4°♎41'56	1°10'35		1552 Oct 11 j 13:37	0°♏		
minimum elong	1550 May 16 j 22:41	4°♎37'53	1°09'51		1552 Nov 04 j 11:30	0°♐		
min. Earth dist.	1550 May 16 j 20:54	4°♎40'41	0.28881 AU	desc. node	1552 Nov 05 j 15:22	1°♐27'25		
desc. node	1550 May 21 j 19:59	1°♎38'52		evening rise	1552 Nov 13 j 00:05	10°♐41'51		
morning rise	1550 May 23 j 06:07	0°♎50'44			1552 Nov 28 j 09:16	0°♑		
	1550 May 24 j 20:33	30°♑			1552 Dec 22 j 08:00	0°♒		
direct	1550 Jun 07 j 09:09	26°♑25'19			1553 Jan 15 j 09:33	0°♓		
greatest brilliancy	1550 Jun 20 j 17:48	29°♑32'31	-4.5m		1553 Feb 08 j 17:04	0°♈		
	1550 Jun 21 j 18:12	0°♒		asc. node	1553 Feb 26 j 18:42	21°♈57'45		
morning max el	1550 Jul 26 j 04:57	26°♒11'51	45°47'52		1553 Mar 05 j 11:23	0°♉		
	1550 Jul 30 j 03:04	0°♓			1553 Mar 30 j 23:58	0°♊		
	1550 Aug 27 j 12:30	0°♓			1553 Apr 26 j 22:18	0°♋		
asc. node	1550 Sep 11 j 23:41	17°♓35'35		evening max el	1553 May 16 j 14:55	20°♓03'45	45°22'28	
	1550 Sep 22 j 14:12	0°♌			1553 May 27 j 12:07	0°♌		
	1550 Oct 17 j 12:54	0°♌		desc. node	1553 Jun 18 j 08:05	15°♌23'51		
	1550 Nov 10 j 21:10	0°♍		greatest brilliancy	1553 Jun 20 j 22:03	16°♌36'29	-4.5m	
	1550 Dec 04 j 22:25	0°♍		retrograde	1553 Jul 04 j 03:04	19°♌39'18		
	1550 Dec 28 j 21:04	0°♎		evening set	1553 Jul 20 j 18:16	14°♌27'21		
desc. node	1551 Jan 01 j 13:02	4°♎35'45		inferior conj	1553 Jul 25 j 13:34	11°♌32'25	-7°-20'-50	
	1551 Jan 21 j 19:28	0°♏		minimum elong	1553 Jul 25 j 04:30	11°♌46'32	7°19'27	
morning set	1551 Jan 27 j 01:38	6°♏34'55		min. Earth dist.	1553 Jul 25 j 17:12	11°♌26'44	0.28844 AU	
	1551 Feb 14 j 19:04	0°♐		morning rise	1553 Jul 29 j 14:31	9°♌03'40		
				direct	1553 Aug 16 j 03:59	3°♌17'11		
superior conj	1551 Mar 08 j 10:42	26°♐58'49	-1°-23'-2	greatest brilliancy	1553 Aug 30 j 11:32	6°♌53'19	-4.5m	
minimum elong	1551 Mar 08 j 16:07	27°♐15'38	1°22'59		1553 Sep 30 j 00:45	0°♍		
	1551 Mar 10 j 21:00	0°♑		morning max el	1553 Oct 04 j 23:10	4°♍48'43	46°24'29	
max. Earth dist.	1551 Mar 12 j 06:44	1°♑44'48	1.72350 AU	asc. node	1553 Oct 09 j 11:22	9°♍22'09		
	1551 Apr 04 j 02:07	0°♒			1553 Oct 28 j 14:38	0°♎		
evening rise	1551 Apr 16 j 05:45	14°♒59'19			1553 Nov 23 j 11:09	0°♏		
asc. node	1551 Apr 24 j 16:27	25°♒22'32			1553 Dec 18 j 07:11	0°♐		
	1551 Apr 28 j 10:50	0°♓			1554 Jan 11 j 17:14	0°♑		
	1551 May 22 j 23:15	0°♓		desc. node	1554 Jan 29 j 00:50	21°♑23'53		
	1551 Jun 16 j 15:46	0°♔			1554 Feb 04 j 23:38	0°♒		
	1551 Jul 11 j 13:54	0°♕			1554 Mar 01 j 05:22	0°♓		
	1551 Aug 05 j 20:45	0°♖			1554 Mar 25 j 11:53	0°♈		
desc. node	1551 Aug 14 j 05:41	9°♖47'55		morning set	1554 Apr 10 j 15:13	19°♈54'29		
	1551 Aug 31 j 18:10	0°♗			1554 Apr 18 j 19:53	0°♉		
	1551 Sep 27 j 20:00	0°♘			1554 May 13 j 05:16	0°♊		
evening max el	1551 Oct 12 j 02:50	14°♘47'18	47°03'35					
	1551 Oct 28 j 10:33	0°♙		superior conj	1554 May 17 j 20:48	5°♙42'33	0°-10'-14	
greatest brilliancy	1551 Nov 19 j 18:32	14°♙56'11	-4.7m	minimum elong	1554 May 17 j 22:56	5°♙49'08	0°10'09	
retrograde	1551 Dec 01 j 15:30	17°♙33'59		behind sun begin	1554 May 17 j 05:15	4°♙54'47		
asc. node	1551 Dec 05 j 09:07	17°♙16'39		behind sun end	1554 May 18 j 16:38	6°♙43'29		
evening set	1551 Dec 16 j 04:26	13°♙19'24		max. Earth dist.	1554 May 18 j 08:36	6°♙18'50	1.73538 AU	
min. Earth dist.	1551 Dec 21 j 12:10	10°♙11'54	0.26533 AU	asc. node	1554 May 22 j 04:21	11°♙00'37		
inferior conj	1551 Dec 22 j 04:00	9°♙47'40	4°11'49		1554 Jun 06 j 15:20	0°♚		
minimum elong	1551 Dec 21 j 19:24	10°♙00'49	4°09'21	evening rise	1554 Jun 23 j 02:25	20°♚13'13		
morning rise	1551 Dec 27 j 10:52	6°♙40'21			1554 Jul 01 j 01:26	0°♛		
direct	1552 Jan 11 j 13:06	2°♙10'18			1554 Jul 25 j 11:43	0°♜		
greatest brilliancy	1552 Jan 22 j 15:26	4°♙29'33	-4.6m		1554 Aug 18 j 23:10	0°♝		
	1552 Feb 26 j 02:11	0°♞		desc. node	1554 Sep 10 j 17:36	27°♝47'19		
morning max el	1552 Mar 01 j 14:27	4°♞23'58	46°34'57		1554 Sep 12 j 13:13	0°♞		
	1552 Mar 25 j 22:49	0°♟			1554 Oct 07 j 07:36	0°♟		
desc. node	1552 Mar 25 j 22:30	29°♞59'09			1554 Nov 01 j 09:30	0°♠		
	1552 Apr 21 j 13:29	0°♠			1554 Nov 27 j 04:04	0°♡		
	1552 May 17 j 07:36	0°♢		evening max el	1554 Dec 23 j 06:20	28°♡22'28	47°11'19	
	1552 Jun 11 j 14:40	0°♣			1554 Dec 24 j 20:44	0°♢		

asc. node	1555 Jan 01 j 20:59	7°♄50'26			1557 Jul 15 j 21:11	0°♁		
greatest brilliancy	1555 Jan 29 j 14:57	28°♄36'30	-4.6m		max. Earth dist.	1557 Jul 21 j 06:01	6°♁37'19	1.73186 AU
	1555 Feb 01 j 21:54	0°♃						
retrograde	1555 Feb 12 j 03:09	1°♃59'23			superior conj	1557 Jul 24 j 04:40	10°♁15'29	1°11'13
	1555 Feb 21 j 23:15	30°♄			minimum elong	1557 Jul 23 j 20:35	9°♁50'31	1°11'00
evening set	1555 Mar 02 j 02:09	25°♄45'37				1557 Aug 09 j 03:37	0°♃	
min. Earth dist.	1555 Mar 04 j 18:58	24°♄04'21	0.28071 AU		evening rise	1557 Aug 29 j 12:26	25°♃16'11	
inferior conj	1555 Mar 05 j 05:08	23°♄48'16	8°33'29			1557 Sep 02 j 07:50	0°♁	
minimum elong	1555 Mar 05 j 09:18	23°♄41'41	8°33'13			1557 Sep 26 j 11:15	0°♁	
morning rise	1555 Mar 08 j 16:39	21°♄38'20			desc. node	1557 Oct 08 j 05:32	14°♁36'47	
direct	1555 Mar 26 j 03:59	15°♄46'27				1557 Oct 20 j 14:58	0°♄	
greatest brilliancy	1555 Apr 06 j 09:07	18°♄03'18	-4.5m			1557 Nov 13 j 19:52	0°♁	
desc. node	1555 Apr 23 j 10:11	28°♄04'57				1557 Dec 08 j 03:51	0°♁	
	1555 Apr 25 j 22:15	0°♃				1558 Jan 01 j 19:32	0°♄	
morning max el	1555 May 14 j 04:22	16°♃05'23	45°53'17			1558 Jan 27 j 04:46	0°♃	
	1555 May 28 j 01:53	0°♄			asc. node	1558 Jan 29 j 08:47	2°♃29'47	
	1555 Jun 24 j 18:33	0°♁				1558 Feb 23 j 06:27	0°♄	
	1555 Jul 20 j 22:52	0°♁			evening max el	1558 Mar 04 j 16:07	9°♄35'47	46°07'14
asc. node	1555 Aug 14 j 13:46	29°♁10'31				1558 Mar 28 j 00:06	0°♁	
	1555 Aug 15 j 06:15	0°♁			greatest brilliancy	1558 Apr 08 j 07:01	6°♁55'45	-4.5m
	1555 Sep 08 j 22:45	0°♃			retrograde	1558 Apr 23 j 03:06	10°♁48'12	
	1555 Oct 03 j 04:49	0°♁			evening set	1558 May 08 j 09:17	6°♁14'53	
	1555 Oct 27 j 04:31	0°♁			inferior conj	1558 May 14 j 12:31	2°♁32'32	1°30'17
morning set	1555 Nov 08 j 10:48	15°♁24'05			minimum elong	1558 May 14 j 15:48	2°♁27'24	1°29'20
	1555 Nov 20 j 01:17	0°♄			min. Earth dist.	1558 May 14 j 13:04	2°♁31'42	0.28870 AU
desc. node	1555 Dec 04 j 03:15	17°♄43'25				1558 May 18 j 15:35	30°♄	
	1555 Dec 13 j 21:18	0°♁			morning rise	1558 May 20 j 22:36	28°♄41'25	
					desc. node	1558 May 20 j 22:09	28°♄42'00	
superior conj	1555 Dec 19 j 16:43	7°♁18'41	0°-36'-6		direct	1558 Jun 05 j 01:53	24°♄16'15	
minimum elong	1555 Dec 19 j 07:42	6°♁50'18	0°35'42		greatest brilliancy	1558 Jun 18 j 08:03	27°♄21'23	-4.5m
max. Earth dist.	1555 Dec 21 j 02:20	9°♁04'26	1.71087 AU			1558 Jun 23 j 14:41	0°♁	
	1556 Jan 06 j 17:50	0°♁			morning max el	1558 Jul 23 j 21:33	24°♁03'32	45°47'05
evening rise	1556 Jan 30 j 01:28	29°♁14'15				1558 Jul 29 j 23:36	0°♁	
	1556 Jan 30 j 16:06	0°♄				1558 Aug 27 j 03:37	0°♁	
	1556 Feb 23 j 17:44	0°♃			asc. node	1558 Sep 11 j 01:43	17°♁01'29	
	1556 Mar 19 j 00:44	0°♄				1558 Sep 22 j 03:20	0°♃	
asc. node	1556 Mar 26 j 06:37	8°♄52'46				1558 Oct 17 j 01:07	0°♁	
	1556 Apr 12 j 15:08	0°♁				1558 Nov 10 j 08:55	0°♁	
	1556 May 07 j 15:28	0°♁				1558 Dec 04 j 09:54	0°♄	
	1556 Jun 02 j 06:15	0°♁				1558 Dec 28 j 08:20	0°♁	
	1556 Jun 28 j 22:16	0°♃			desc. node	1558 Dec 31 j 14:59	4°♁06'36	
desc. node	1556 Jul 15 j 19:50	17°♃55'55				1559 Jan 21 j 06:35	0°♁	
evening max el	1556 Jul 27 j 06:42	29°♃18'47	45°52'33		morning set	1559 Jan 24 j 11:58	4°♁02'17	
	1556 Jul 27 j 23:57	0°♁				1559 Feb 14 j 06:03	0°♄	
greatest brilliancy	1556 Sep 03 j 19:11	27°♁29'31	-4.6m					
retrograde	1556 Sep 14 j 09:49	29°♁31'53			superior conj	1559 Mar 06 j 00:03	24°♄37'14	-1°-23'-55
evening set	1556 Oct 01 j 02:16	24°♁15'36			minimum elong	1559 Mar 06 j 04:39	24°♄51'34	1°23'53
inferior conj	1556 Oct 05 j 06:08	21°♁46'44	-6°-59'-33		max. Earth dist.	1559 Mar 09 j 23:33	29°♄34'10	1.72292 AU
minimum elong	1556 Oct 05 j 16:25	21°♁31'02	6°57'36			1559 Mar 10 j 07:52	0°♃	
min. Earth dist.	1556 Oct 06 j 04:23	21°♁12'50	0.27317 AU			1559 Apr 03 j 12:55	0°♄	
morning rise	1556 Oct 10 j 06:04	18°♁48'19			evening rise	1559 Apr 13 j 21:41	12°♄47'18	
direct	1556 Oct 26 j 02:43	13°♁52'48			asc. node	1559 Apr 23 j 18:37	24°♄55'56	
asc. node	1556 Nov 05 j 23:15	16°♁06'01				1559 Apr 27 j 21:40	0°♁	
greatest brilliancy	1556 Nov 09 j 00:54	17°♁26'07	-4.7m			1559 May 22 j 10:16	0°♁	
	1556 Nov 27 j 11:13	0°♁				1559 Jun 16 j 03:11	0°♃	
morning max el	1556 Dec 15 j 22:08	17°♁22'13	46°57'00			1559 Jul 11 j 01:58	0°♃	
	1556 Dec 27 j 21:21	0°♄				1559 Aug 05 j 09:56	0°♁	
	1557 Jan 23 j 10:46	0°♁			desc. node	1559 Aug 13 j 07:38	9°♁13'52	
	1557 Feb 17 j 20:54	0°♁				1559 Aug 31 j 09:17	0°♁	
desc. node	1557 Feb 25 j 12:42	9°♁09'49				1559 Sep 27 j 15:22	0°♄	
	1557 Mar 14 j 20:14	0°♄			evening max el	1559 Oct 09 j 16:59	12°♄24'40	47°01'38
	1557 Apr 08 j 14:58	0°♃				1559 Oct 28 j 22:06	0°♁	
	1557 May 03 j 07:37	0°♄			greatest brilliancy	1559 Nov 17 j 09:27	12°♁29'31	-4.7m
	1557 May 27 j 22:44	0°♁			retrograde	1559 Nov 29 j 03:53	15°♁04'03	
morning set	1557 Jun 17 j 20:13	25°♁32'28			asc. node	1559 Dec 04 j 11:09	14°♁29'13	
asc. node	1557 Jun 18 j 16:14	26°♁33'47			evening set	1559 Dec 13 j 15:04	10°♁52'49	
	1557 Jun 21 j 11:33	0°♁			min. Earth dist.	1559 Dec 19 j 01:43	7°♁41'09	0.26500 AU

inferior conj	1559 Dec 19 j 16:14	7°☿18'53	3°50'00	max. Earth dist.	1562 May 16 j 03:35	4°♃17'11	1.73517 AU	
minimum elong	1559 Dec 19 j 08:14	7°☿31'09	3°47'38	asc. node	1562 May 21 j 06:27	10°♃34'33		
morning rise	1559 Dec 25 j 01:50	4°☿07'39			1562 Jun 06 j 01:54	0°☿		
	1560 Jan 05 j 05:46	30°♁		evening rise	1562 Jun 20 j 21:34	18°☿12'04		
direct	1560 Jan 09 j 01:17	29°♁42'07			1562 Jun 30 j 12:06	0°♁		
	1560 Jan 12 j 22:18	0°☿			1562 Jul 24 j 22:36	0°♃		
greatest brilliancy	1560 Jan 20 j 04:53	2°☿02'20	-4.7m		1562 Aug 18 j 10:26	0°♁		
	1560 Feb 26 j 02:51	0°♁		desc. node	1562 Sep 09 j 19:42	27°♁17'50		
morning max el	1560 Feb 28 j 02:49	1°♁58'11	46°36'28		1562 Sep 12 j 01:05	0°♃		
desc. node	1560 Mar 25 j 00:33	29°♁18'37			1562 Oct 06 j 20:18	0°♁		
	1560 Mar 25 j 15:32	0°♁			1562 Oct 31 j 23:30	0°☿		
	1560 Apr 21 j 03:21	0°♃			1562 Nov 26 j 20:29	0°♁		
	1560 May 16 j 20:01	0°♁		evening max el	1562 Dec 20 j 20:06	25°♁59'05	47°12'46	
	1560 Jun 11 j 02:15	0°♃			1562 Dec 24 j 19:45	0°♁		
asc. node	1560 Jul 06 j 00:28	0°☿		asc. node	1562 Dec 31 j 22:59	6°♁52'17		
	1560 Jul 16 j 03:58	12°☿19'12		greatest brilliancy	1563 Jan 27 j 06:53	26°♁18'31	-4.6m	
	1560 Jul 30 j 15:06	0°♁		retrograde	1563 Feb 09 j 18:22	29°♁41'17		
morning set	1560 Aug 23 j 22:48	0°♃		evening set	1563 Feb 27 j 18:15	23°♁25'49		
	1560 Aug 25 j 01:02	1°♃21'21		min. Earth dist.	1563 Mar 02 j 09:08	21°♁47'46	0.28024 AU	
max. Earth dist.	1560 Sep 17 j 01:13	0°♁		inferior conj	1563 Mar 02 j 20:03	21°♁30'34	8°38'01	
	1560 Sep 28 j 14:14	14°♁26'05	1.71753 AU	minimum elong	1563 Mar 02 j 23:27	21°♁25'12	8°37'50	
superior conj	1560 Oct 01 j 12:41	18°♁06'32	1°09'43	morning rise	1563 Mar 06 j 04:49	19°♁24'58		
	1560 Oct 01 j 22:15	18°♁36'31	1°09'26	direct	1563 Mar 23 j 17:45	13°♁29'18		
minimum elong	1560 Oct 11 j 00:29	0°♃		greatest brilliancy	1563 Apr 03 j 22:53	15°♁46'14	-4.5m	
	1560 Oct 11 j 00:29	0°♃		desc. node	1563 Apr 22 j 12:22	26°♁56'54		
desc. node	1560 Nov 03 j 22:28	0°♁			1563 Apr 26 j 08:22	0°♃		
	1560 Nov 04 j 17:31	0°♁59'44		morning max el	1563 May 11 j 19:35	13°♃52'13	45°54'27	
evening rise	1560 Nov 10 j 10:57	8°♁10'51			1563 May 27 j 20:00	0°♁		
	1560 Nov 27 j 20:21	0°☿			1563 Jun 24 j 08:43	0°♃		
asc. node	1560 Dec 21 j 19:15	0°♁			1563 Jul 20 j 11:21	0°☿		
	1561 Jan 14 j 21:01	0°♁		asc. node	1563 Aug 13 j 15:54	28°☿41'57		
	1561 Feb 08 j 04:52	0°♃			1563 Aug 14 j 17:51	0°♁		
	1561 Feb 25 j 20:44	21°♃27'04			1563 Sep 08 j 09:55	0°♃		
	1561 Mar 04 j 23:49	0°♁			1563 Oct 02 j 15:46	0°♁		
evening max el	1561 Mar 30 j 13:43	0°♃			1563 Oct 26 j 15:25	0°♃		
	1561 Apr 26 j 15:13	0°☿		morning set	1563 Nov 05 j 22:55	12°♃57'02		
desc. node	1561 May 14 j 05:35	17°☿50'52	45°22'49		1563 Nov 19 j 12:12	0°♁		
	1561 May 27 j 17:08	0°♁		desc. node	1563 Dec 03 j 05:15	17°♁15'21		
greatest brilliancy	1561 Jun 17 j 10:02	13°♁55'41			1563 Dec 13 j 08:14	0°☿		
retrograde	1561 Jun 18 j 11:03	14°♁24'00	-4.5m	superior conj	1563 Dec 17 j 02:10	4°☿43'01	0°-32'-22	
evening set	1561 Jul 01 j 18:20	17°♁30'07		minimum elong	1563 Dec 16 j 17:55	4°☿17'04	0°32'01	
inferior conj	1561 Jul 18 j 06:58	12°♁22'13		max. Earth dist.	1563 Dec 18 j 08:37	6°☿18'48	1.71079 AU	
minimum elong	1561 Jul 23 j 05:35	9°♁22'42	-7°-9'-45		1564 Jan 06 j 04:46	0°♁		
	1561 Jul 22 j 20:14	9°♁37'16	7°08'13	evening rise	1564 Jan 27 j 11:57	26°♁42'46		
min. Earth dist.	1561 Jul 23 j 09:00	9°♁17'23	0.28869 AU		1564 Jan 30 j 03:01	0°♁		
morning rise	1561 Jul 27 j 09:14	6°♁49'53			1564 Feb 23 j 04:42	0°♃		
direct	1561 Aug 13 j 19:41	1°♁06'55			1564 Mar 18 j 11:51	0°♁		
greatest brilliancy	1561 Aug 28 j 03:56	4°♁42'53	-4.5m		1564 Mar 25 j 08:47	8°♁25'12		
	1561 Sep 30 j 00:06	0°♃		asc. node	1564 Apr 12 j 02:36	0°♃		
morning max el	1561 Oct 02 j 13:29	2°♃30'51	46°22'54		1564 May 07 j 03:35	0°☿		
asc. node	1561 Oct 08 j 13:32	8°♃36'05			1564 Jun 01 j 19:37	0°♁		
	1561 Oct 28 j 06:47	0°♁			1564 Jun 28 j 14:17	0°♃		
	1561 Nov 23 j 00:54	0°♃				1564 Jul 14 j 21:52	17°♃11'38	
	1561 Dec 17 j 19:49	0°♁		desc. node	1564 Jul 24 j 21:23	27°♃04'00	45°50'35	
	1562 Jan 11 j 05:11	0°☿		evening max el	1564 Jul 27 j 23:49	0°♁		
desc. node	1562 Jan 28 j 02:51	20°☿54'08			1564 Sep 01 j 06:02	25°♁07'25	-4.6m	
	1562 Feb 04 j 11:09	0°♁		greatest brilliancy	1564 Sep 11 j 23:17	27°♁11'32		
	1562 Feb 28 j 16:33	0°♁		retrograde	1564 Sep 28 j 18:42	21°♁50'16		
morning set	1562 Mar 24 j 22:48	0°♃		evening set	1564 Oct 02 j 19:35	19°♁25'27	-7°-12'-46	
	1562 Apr 08 j 07:07	17°♃42'19		inferior conj	1564 Oct 03 j 05:38	19°♁10'07	7°10'57	
	1562 Apr 18 j 06:36	0°♁		minimum elong	1564 Oct 03 j 17:34	18°♁51'55	0.27386 AU	
	1562 May 12 j 15:52	0°♃		min. Earth dist.	1564 Oct 07 j 16:08	16°♁31'49		
				morning rise	1564 Oct 23 j 17:35	11°♁30'36		
superior conj	1562 May 15 j 14:29	3°♃36'58	0°-13'-25	direct	1564 Nov 05 j 01:17	14°♁20'29		
minimum elong	1562 May 15 j 17:17	3°♃45'35	0°13'18	asc. node	1564 Nov 06 j 15:59	15°♁04'44	-4.6m	
behind sun begin	1562 May 15 j 04:42	3°♃06'54		greatest brilliancy	1564 Nov 27 j 19:59	0°♃		
behind sun end	1562 May 16 j 05:53	4°♃24'15						

morning max el	1564 Dec 13 j 13:23	15°♍01'52	46°56'30		1567 Jul 10 j 14:05	0°♎	
	1564 Dec 27 j 16:01	0°♊			1567 Aug 04 j 23:11	0°♌	
	1565 Jan 23 j 01:44	0°♈		desc. node	1567 Aug 12 j 09:47	8°♌40'13	
	1565 Feb 17 j 10:09	0°♁			1567 Aug 31 j 00:35	0°♍	
desc. node	1565 Feb 24 j 14:49	8°♁37'25			1567 Sep 27 j 11:12	0°♎	
	1565 Mar 14 j 08:28	0°♏		evening max el	1567 Oct 07 j 06:32	10°♎00'50	46°59'41
	1565 Apr 08 j 02:32	0°♍			1567 Oct 29 j 13:12	0°♈	
	1565 May 02 j 18:45	0°♄		greatest brilliancy	1567 Nov 15 j 00:55	10°♈04'15	-4.7m
	1565 May 27 j 09:33	0°♂		retrograde	1567 Nov 26 j 15:58	12°♈35'19	
morning set	1565 Jun 15 j 14:25	23°♂28'33		asc. node	1567 Dec 03 j 13:06	11°♈37'00	
asc. node	1565 Jun 17 j 18:10	26°♂07'02		evening set	1567 Dec 11 j 02:11	8°♈26'52	
	1565 Jun 20 j 22:12	0°♆		min. Earth dist.	1567 Dec 16 j 15:50	5°♈11'09	0.26472 AU
	1565 Jul 15 j 07:47	0°♅		inferior conj	1567 Dec 17 j 04:45	4°♈51'19	3°27'47
max. Earth dist.	1565 Jul 19 j 02:03	4°♅38'18	1.73219 AU	minimum elong	1567 Dec 16 j 21:23	5°♈02'38	3°25'35
				morning rise	1567 Dec 22 j 16:54	1°♈36'21	
superior conj	1565 Jul 21 j 22:58	8°♅10'59	1°09'28		1567 Dec 25 j 21:20	30°♎	
minimum elong	1565 Jul 21 j 14:39	7°♅45'18	1°09'13	direct	1568 Jan 06 j 13:16	27°♎14'51	
	1565 Aug 08 j 14:15	0°♎		greatest brilliancy	1568 Jan 17 j 19:28	29°♎37'08	-4.7m
evening rise	1565 Aug 27 j 05:08	23°♎05'38			1568 Jan 18 j 17:31	0°♈	
	1565 Sep 01 j 18:37	0°♌		morning max el	1568 Feb 25 j 14:57	29°♈31'44	46°37'47
	1565 Sep 25 j 22:15	0°♍			1568 Feb 26 j 02:18	0°♁	
desc. node	1565 Oct 07 j 07:41	14°♍08'57		desc. node	1568 Mar 24 j 02:42	28°♁38'42	
	1565 Oct 20 j 02:16	0°♊			1568 Mar 25 j 08:00	0°♏	
	1565 Nov 13 j 07:33	0°♈			1568 Apr 20 j 17:12	0°♍	
	1565 Dec 07 j 16:05	0°♁			1568 May 16 j 08:32	0°♄	
	1566 Jan 01 j 08:39	0°♏			1568 Jun 10 j 13:59	0°♂	
	1566 Jan 26 j 19:35	0°♍			1568 Jul 05 j 11:43	0°♆	
asc. node	1566 Jan 28 j 10:51	1°♍52'42		asc. node	1568 Jul 15 j 06:05	11°♆51'50	
	1566 Feb 23 j 01:32	0°♄			1568 Jul 30 j 02:05	0°♅	
evening max el	1566 Mar 02 j 08:28	7°♄23'58	46°09'37	morning set	1568 Aug 22 j 17:23	29°♅09'29	
	1566 Mar 28 j 19:12	0°♂			1568 Aug 23 j 09:41	0°♎	
greatest brilliancy	1566 Apr 06 j 01:01	4°♂48'09	-4.5m		1568 Sep 16 j 12:06	0°♌	
retrograde	1566 Apr 20 j 19:43	8°♂38'41		max. Earth dist.	1568 Sep 26 j 02:25	11°♌59'51	1.71804 AU
evening set	1566 May 06 j 03:15	4°♂03'39					
inferior conj	1566 May 12 j 04:52	0°♂23'06	1°49'55	superior conj	1568 Sep 29 j 03:02	15°♌47'04	1°11'41
minimum elong	1566 May 12 j 08:50	0°♂16'53	1°48'46	minimum elong	1568 Sep 29 j 12:14	16°♌15'51	1°11'26
min. Earth dist.	1566 May 12 j 05:23	0°♂22'19	0.28852 AU		1568 Oct 10 j 11:27	0°♍	
	1566 May 12 j 19:34	30°♄			1568 Nov 03 j 09:33	0°♊	
morning rise	1566 May 18 j 14:45	26°♄32'02		desc. node	1568 Nov 03 j 19:29	0°♎31'10	
desc. node	1566 May 20 j 00:06	25°♄47'55		evening rise	1568 Nov 07 j 22:12	5°♎40'44	
direct	1566 Jun 02 j 18:22	22°♄07'16			1568 Nov 27 j 07:34	0°♈	
greatest brilliancy	1566 Jun 15 j 21:14	25°♄09'02	-4.5m		1568 Dec 21 j 06:37	0°♁	
	1566 Jun 24 j 20:49	0°♂			1569 Jan 14 j 08:34	0°♏	
morning max el	1566 Jul 21 j 13:21	21°♂53'40	45°46'25		1569 Feb 07 j 16:48	0°♍	
	1566 Jul 29 j 19:19	0°♆		asc. node	1569 Feb 24 j 22:53	20°♍56'17	
	1566 Aug 26 j 18:22	0°♅			1569 Mar 04 j 12:26	0°♄	
asc. node	1566 Sep 10 j 03:48	16°♅28'10			1569 Mar 30 j 03:48	0°♂	
	1566 Sep 21 j 16:13	0°♎			1569 Apr 26 j 08:50	0°♆	
	1566 Oct 16 j 13:08	0°♌		evening max el	1569 May 11 j 20:21	15°♆37'20	45°23'13
	1566 Nov 09 j 20:28	0°♍			1569 May 28 j 00:54	0°♅	
	1566 Dec 03 j 21:11	0°♊		greatest brilliancy	1569 Jun 15 j 23:21	12°♅09'34	-4.5m
	1566 Dec 27 j 19:27	0°♈		desc. node	1569 Jun 16 j 12:06	12°♅23'27	
desc. node	1566 Dec 30 j 17:01	3°♈38'08		retrograde	1569 Jun 29 j 10:02	15°♅19'55	
	1567 Jan 20 j 17:36	0°♁		evening set	1569 Jul 15 j 19:37	10°♅15'48	
morning set	1567 Jan 21 j 22:16	1°♁29'48		inferior conj	1569 Jul 20 j 21:30	7°♅11'50	-6°-57'-55
	1567 Feb 13 j 16:59	0°♏		minimum elong	1569 Jul 20 j 11:55	7°♅26'46	6°56'17
				min. Earth dist.	1569 Jul 21 j 00:29	7°♅07'13	0.28891 AU
superior conj	1567 Mar 03 j 13:03	22°♏14'29	-1°-24'-38	morning rise	1569 Jul 25 j 03:55	4°♅35'04	
minimum elong	1567 Mar 03 j 16:49	22°♏26'11	1°24'38		1569 Aug 04 j 02:52	30°♆	
max. Earth dist.	1567 Mar 07 j 15:23	27°♏20'21	1.72237 AU	direct	1569 Aug 11 j 11:21	28°♆55'33	
	1567 Mar 09 j 18:44	0°♍			1569 Aug 19 j 02:30	0°♅	
	1567 Apr 02 j 23:45	0°♄		greatest brilliancy	1569 Aug 25 j 20:50	2°♅32'28	-4.5m
evening rise	1567 Apr 11 j 13:01	10°♄33'14			1569 Sep 29 j 22:44	0°♎	
asc. node	1567 Apr 22 j 20:37	24°♄28'44		morning max el	1569 Sep 30 j 04:33	0°♎14'25	46°21'24
	1567 Apr 27 j 08:33	0°♂		asc. node	1569 Oct 07 j 15:36	7°♎49'50	
	1567 May 21 j 21:20	0°♆			1569 Oct 27 j 22:51	0°♌	
	1567 Jun 15 j 14:37	0°♅			1569 Nov 22 j 14:43	0°♍	

	1569 Dec 17 j 08:32	0°♁			1572 Jul 28 j 01:32	0°♁	
	1570 Jan 10 j 17:17	0°♁		greatest brilliancy	1572 Aug 29 j 17:39	22°♁44'36	-4.5m
desc. node	1570 Jan 27 j 04:59	20°♁24'13		retrograde	1572 Sep 09 j 12:13	24°♁49'22	
	1570 Feb 03 j 22:49	0°♁		evening set	1572 Sep 26 j 11:00	19°♁23'33	
	1570 Feb 28 j 03:53	0°♁		inferior conj	1572 Sep 30 j 08:55	17°♁02'39	-7°-25'-9
morning set	1570 Mar 24 j 09:53	0°♁		minimum elong	1572 Sep 30 j 18:39	16°♁47'46	7°23'31
	1570 Apr 05 j 23:02	15°♁29'29		min. Earth dist.	1572 Oct 01 j 06:43	16°♁29'21	0.27453 AU
	1570 Apr 17 j 17:31	0°♁		morning rise	1572 Oct 05 j 01:55	14°♁13'49	
	1570 May 12 j 02:43	0°♁		direct	1572 Oct 21 j 08:17	9°♁07'03	
				greatest brilliancy	1572 Nov 04 j 06:19	12°♁40'55	-4.6m
superior conj	1570 May 13 j 08:04	1°♁30'11	0°-16'-35	asc. node	1572 Nov 04 j 03:15	12°♁37'14	
minimum elong	1570 May 13 j 11:31	1°♁40'49	0°16'26		1572 Nov 28 j 02:51	0°♁	
max. Earth dist.	1570 May 13 j 23:26	2°♁17'25	1.73503 AU	morning max el	1572 Dec 11 j 03:35	12°♁37'42	46°56'00
asc. node	1570 May 20 j 08:25	10°♁07'19			1572 Dec 27 j 10:35	0°♁	
	1570 Jun 05 j 12:47	0°♁			1573 Jan 22 j 16:48	0°♁	
evening rise	1570 Jun 18 j 16:31	16°♁09'24			1573 Feb 16 j 23:34	0°♁	
	1570 Jun 29 j 23:06	0°♁		desc. node	1573 Feb 23 j 16:52	8°♁04'08	
	1570 Jul 24 j 09:50	0°♁			1573 Mar 13 j 20:56	0°♁	
	1570 Aug 17 j 22:03	0°♁			1573 Apr 07 j 14:23	0°♁	
desc. node	1570 Sep 08 j 21:47	26°♁47'17			1573 May 02 j 06:10	0°♁	
	1570 Sep 11 j 13:17	0°♁			1573 May 26 j 20:41	0°♁	
	1570 Oct 06 j 09:22	0°♁		morning set	1573 Jun 13 j 08:46	21°♁24'12	
	1570 Oct 31 j 13:56	0°♁		asc. node	1573 Jun 16 j 20:21	25°♁40'09	
	1570 Nov 26 j 13:31	0°♁			1573 Jun 20 j 09:08	0°♁	
evening max el	1570 Dec 18 j 10:56	23°♁37'32	47°14'05		1573 Jul 14 j 18:40	0°♁	
	1570 Dec 24 j 20:10	0°♁		max. Earth dist.	1573 Jul 16 j 21:14	2°♁35'51	1.73255 AU
asc. node	1570 Dec 31 j 01:09	5°♁52'18					
greatest brilliancy	1571 Jan 24 j 22:06	23°♁58'33	-4.6m	superior conj	1573 Jul 19 j 17:20	6°♁05'54	1°07'36
retrograde	1571 Feb 07 j 09:59	27°♁21'56		minimum elong	1573 Jul 19 j 08:51	5°♁39'44	1°07'22
evening set	1571 Feb 25 j 09:52	21°♁05'17			1573 Aug 08 j 01:14	0°♁	
min. Earth dist.	1571 Feb 27 j 22:50	19°♁30'23	0.27975 AU	evening rise	1573 Aug 24 j 21:50	20°♁53'59	
inferior conj	1571 Feb 28 j 10:49	19°♁11'32	8°41'37		1573 Sep 01 j 05:46	0°♁	
minimum elong	1571 Feb 28 j 13:26	19°♁07'26	8°41'31		1573 Sep 25 j 09:40	0°♁	
morning rise	1571 Mar 03 j 17:11	17°♁09'54		desc. node	1573 Oct 06 j 09:37	13°♁39'10	
direct	1571 Mar 21 j 07:53	11°♁11'00			1573 Oct 19 j 13:59	0°♁	
greatest brilliancy	1571 Apr 01 j 11:45	13°♁27'15	-4.5m		1573 Nov 12 j 19:39	0°♁	
desc. node	1571 Apr 21 j 14:17	25°♁49'23			1573 Dec 07 j 04:43	0°♁	
	1571 Apr 26 j 16:06	0°♁			1573 Dec 31 j 22:10	0°♁	
morning max el	1571 May 09 j 11:21	11°♁39'34	45°55'33		1574 Jan 26 j 10:53	0°♁	
	1571 May 27 j 13:59	0°♁		asc. node	1574 Jan 27 j 12:57	1°♁14'32	
	1571 Jun 23 j 23:06	0°♁			1574 Feb 22 j 21:32	0°♁	
	1571 Jul 20 j 00:09	0°♁		evening max el	1574 Feb 28 j 00:01	5°♁09'07	46°11'57
asc. node	1571 Aug 12 j 18:00	28°♁12'09			1574 Mar 29 j 22:00	0°♁	
	1571 Aug 14 j 05:50	0°♁		greatest brilliancy	1574 Apr 03 j 19:15	2°♁39'47	-4.5m
	1571 Sep 07 j 21:27	0°♁		retrograde	1574 Apr 18 j 11:49	6°♁28'15	
	1571 Oct 02 j 03:04	0°♁		evening set	1574 May 03 j 21:19	1°♁51'19	
	1571 Oct 26 j 02:39	0°♁			1574 May 07 j 00:43	30°♁	
morning set	1571 Nov 03 j 11:06	10°♁29'16		inferior conj	1574 May 09 j 21:14	28°♁12'54	2°09'21
	1571 Nov 18 j 23:25	0°♁		minimum elong	1574 May 10 j 01:51	28°♁05'38	2°08'01
desc. node	1571 Dec 02 j 07:15	16°♁46'25		min. Earth dist.	1574 May 09 j 22:01	28°♁11'40	0.28834 AU
	1571 Dec 12 j 19:27	0°♁		morning rise	1574 May 16 j 06:42	24°♁21'58	
				desc. node	1574 May 19 j 02:10	22°♁56'00	
superior conj	1571 Dec 14 j 11:36	2°♁06'19	0°-28'-35	direct	1574 May 31 j 10:29	19°♁57'29	
minimum elong	1571 Dec 14 j 04:13	1°♁43'05	0°28'16	greatest brilliancy	1574 Jun 13 j 10:46	22°♁56'13	-4.5m
max. Earth dist.	1571 Dec 15 j 17:39	3°♁40'53	1.71072 AU		1574 Jun 25 j 18:58	0°♁	
	1572 Jan 05 j 16:00	0°♁		morning max el	1574 Jul 19 j 04:15	19°♁40'56	45°45'52
evening rise	1572 Jan 24 j 22:27	24°♁10'14			1574 Jul 29 j 14:42	0°♁	
	1572 Jan 29 j 14:17	0°♁			1574 Aug 26 j 09:11	0°♁	
	1572 Feb 22 j 16:01	0°♁		asc. node	1574 Sep 09 j 05:51	15°♁54'12	
asc. node	1572 Mar 17 j 23:20	0°♁			1574 Sep 21 j 05:17	0°♁	
	1572 Mar 24 j 10:47	7°♁56'05			1574 Oct 16 j 01:24	0°♁	
	1572 Apr 11 j 14:25	0°♁			1574 Nov 09 j 08:20	0°♁	
	1572 May 06 j 16:03	0°♁			1574 Dec 03 j 08:47	0°♁	
	1572 Jun 01 j 09:26	0°♁			1574 Dec 27 j 06:53	0°♁	
	1572 Jun 28 j 07:02	0°♁		desc. node	1574 Dec 29 j 19:12	3°♁09'14	
desc. node	1572 Jul 13 j 23:58	16°♁25'31		morning set	1575 Jan 19 j 08:10	28°♁55'08	
evening max el	1572 Jul 22 j 12:17	24°♁48'24	45°48'24		1575 Jan 20 j 04:52	0°♁	

	1575 Feb 13 j 04:08	0°♁		minimum elong	1577 Jul 18 j 03:41	5°♁16'35	6°43'49
				min. Earth dist.	1577 Jul 18 j 15:42	4°♁57'55	0.28911 AU
superior conj	1575 Mar 01 j 01:52	19°♁50'27	-1°-25'-13	morning rise	1577 Jul 22 j 22:41	2°♁20'43	
minimum elong	1575 Mar 01 j 04:45	19°♁59'25	1°25'13		1577 Jul 27 j 06:33	30°♁	
max. Earth dist.	1575 Mar 05 j 06:20	25°♁03'08	1.72179 AU	direct	1577 Aug 09 j 03:33	26°♁44'42	
	1575 Mar 09 j 05:48	0°♁			1577 Aug 22 j 18:03	0°♁	
	1575 Apr 02 j 10:48	0°♁		greatest brilliancy	1577 Aug 23 j 13:41	0°♁22'35	-4.5m
evening rise	1575 Apr 09 j 04:14	8°♁18'06		morning max el	1577 Sep 27 j 20:27	28°♁00'47	46°19'58
asc. node	1575 Apr 21 j 22:38	24°♁00'56			1577 Sep 29 j 20:18	0°♁	
	1575 Apr 26 j 19:39	0°♁		asc. node	1577 Oct 06 j 17:33	7°♁04'25	
	1575 May 21 j 08:36	0°♁			1577 Oct 27 j 14:29	0°♁	
	1575 Jun 15 j 02:17	0°♁			1577 Nov 22 j 04:15	0°♁	
	1575 Jul 10 j 02:25	0°♁			1577 Dec 16 j 21:04	0°♁	
	1575 Aug 04 j 12:41	0°♁			1578 Jan 10 j 05:15	0°♁	
desc. node	1575 Aug 11 j 11:49	8°♁05'41		desc. node	1578 Jan 26 j 07:00	19°♁54'16	
	1575 Aug 30 j 16:16	0°♁			1578 Feb 03 j 10:24	0°♁	
	1575 Sep 27 j 07:54	0°♁			1578 Feb 27 j 15:09	0°♁	
evening max el	1575 Oct 04 j 18:53	7°♁33'30	46°57'29		1578 Mar 23 j 20:54	0°♁	
	1575 Oct 30 j 10:02	0°♁		morning set	1578 Apr 03 j 14:32	13°♁15'28	
greatest brilliancy	1575 Nov 12 j 15:43	7°♁36'39	-4.7m		1578 Apr 17 j 04:20	0°♁	
retrograde	1575 Nov 24 j 03:37	10°♁04'55					
asc. node	1575 Dec 02 j 15:17	8°♁36'36		superior conj	1578 May 11 j 01:19	29°♁22'46	0°-19'-45
evening set	1575 Dec 08 j 13:07	5°♁58'29		minimum elong	1578 May 11 j 05:26	29°♁35'24	0°19'35
min. Earth dist.	1575 Dec 14 j 05:48	2°♁38'55	0.26452 AU		1578 May 11 j 13:26	0°♁	
inferior conj	1575 Dec 14 j 16:56	2°♁21'53	3°04'54	max. Earth dist.	1578 May 11 j 20:54	0°♁22'57	1.73482 AU
minimum elong	1575 Dec 14 j 10:15	2°♁32'07	3°02'51	asc. node	1578 May 19 j 10:33	9°♁41'02	
	1575 Dec 18 j 15:21	30°♁			1578 Jun 04 j 23:30	0°♁	
morning rise	1575 Dec 20 j 07:33	29°♁03'28		evening rise	1578 Jun 16 j 11:26	14°♁07'10	
direct	1576 Jan 04 j 00:45	24°♁45'21			1578 Jun 29 j 09:56	0°♁	
greatest brilliancy	1576 Jan 15 j 10:51	27°♁11'14	-4.7m		1578 Jul 23 j 20:54	0°♁	
	1576 Jan 21 j 05:50	0°♁			1578 Aug 17 j 09:31	0°♁	
morning max el	1576 Feb 23 j 03:10	27°♁04'29	46°39'20	desc. node	1578 Sep 07 j 23:45	26°♁16'53	
	1576 Feb 26 j 01:07	0°♁			1578 Sep 11 j 01:20	0°♁	
desc. node	1576 Mar 23 j 04:41	27°♁58'13			1578 Oct 05 j 22:16	0°♁	
	1576 Mar 25 j 00:21	0°♁			1578 Oct 31 j 04:14	0°♁	
	1576 Apr 20 j 07:02	0°♁			1578 Nov 26 j 06:33	0°♁	
	1576 May 15 j 21:03	0°♁		evening max el	1578 Dec 16 j 02:28	21°♁18'35	47°15'10
	1576 Jun 10 j 01:43	0°♁			1578 Dec 24 j 21:28	0°♁	
	1576 Jul 04 j 23:00	0°♁		asc. node	1578 Dec 30 j 03:09	4°♁51'17	
asc. node	1576 Jul 14 j 08:11	11°♁24'13		greatest brilliancy	1579 Jan 22 j 13:27	21°♁39'11	-4.6m
	1576 Jul 29 j 13:06	0°♁		retrograde	1579 Feb 05 j 01:38	25°♁02'32	
morning set	1576 Aug 20 j 10:04	26°♁58'36		evening set	1579 Feb 23 j 01:00	18°♁45'23	
	1576 Aug 22 j 20:35	0°♁		min. Earth dist.	1579 Feb 25 j 12:10	17°♁13'22	0.27927 AU
	1576 Sep 15 j 23:00	0°♁		inferior conj	1579 Feb 26 j 01:27	16°♁52'30	8°44'27
max. Earth dist.	1576 Sep 23 j 17:45	9°♁43'30	1.71856 AU	minimum elong	1579 Feb 26 j 03:15	16°♁49'41	8°44'25
				morning rise	1579 Mar 01 j 05:42	14°♁54'19	
superior conj	1576 Sep 26 j 17:44	13°♁28'39	1°13'30	direct	1579 Mar 18 j 22:23	8°♁52'53	
minimum elong	1576 Sep 27 j 02:30	13°♁56'05	1°13'17	greatest brilliancy	1579 Mar 29 j 23:51	11°♁07'31	-4.5m
	1576 Oct 09 j 22:26	0°♁		desc. node	1579 Apr 20 j 16:23	24°♁44'19	
	1576 Nov 02 j 20:39	0°♁			1579 Apr 26 j 21:25	0°♁	
desc. node	1576 Nov 02 j 21:33	0°♁02'49		morning max el	1579 May 07 j 03:10	9°♁27'27	45°56'39
evening rise	1576 Nov 05 j 09:40	3°♁11'15			1579 May 27 j 07:23	0°♁	
	1576 Nov 26 j 18:51	0°♁			1579 Jun 23 j 13:04	0°♁	
	1576 Dec 20 j 18:05	0°♁			1579 Jul 19 j 12:34	0°♁	
	1577 Jan 13 j 20:16	0°♁		asc. node	1579 Aug 11 j 19:57	27°♁42'59	
	1577 Feb 07 j 04:51	0°♁			1579 Aug 13 j 17:27	0°♁	
asc. node	1577 Feb 24 j 00:51	20°♁24'36			1579 Sep 07 j 08:39	0°♁	
	1577 Mar 04 j 01:12	0°♁			1579 Oct 01 j 14:04	0°♁	
	1577 Mar 29 j 18:04	0°♁			1579 Oct 25 j 13:34	0°♁	
	1577 Apr 26 j 02:49	0°♁		morning set	1579 Oct 31 j 23:41	8°♁03'46	
evening max el	1577 May 09 j 11:38	13°♁25'21	45°23'50		1579 Nov 18 j 10:19	0°♁	
	1577 May 28 j 11:21	0°♁		desc. node	1579 Dec 01 j 09:26	16°♁19'02	
greatest brilliancy	1577 Jun 13 j 11:30	9°♁55'22	-4.5m				
desc. node	1577 Jun 15 j 14:14	10°♁48'27		superior conj	1579 Dec 11 j 21:29	29°♁32'10	0°-24'-47
retrograde	1577 Jun 27 j 02:16	13°♁10'12		minimum elong	1579 Dec 11 j 15:01	29°♁11'48	0°24'29
evening set	1577 Jul 13 j 08:26	8°♁09'42			1579 Dec 12 j 06:20	0°♁	
inferior conj	1577 Jul 18 j 13:28	5°♁01'23	-6°-45'-34	max. Earth dist.	1579 Dec 13 j 02:24	1°♁03'08	1.71062 AU

	1580 Jan 05 j 02:52	0°♊		morning max el	1582 Jul 16 j 19:09	17°♐29'16	45°45'21
evening rise	1580 Jan 22 j 09:13	21°♊39'33			1582 Jul 29 j 09:08	0°♋	
	1580 Jan 29 j 01:10	0°♌			1582 Aug 25 j 23:26	0°♌	
	1580 Feb 22 j 03:00	0°♍		asc. node	1582 Sep 08 j 07:53	15°♌21'32	
asc. node	1580 Mar 17 j 10:29	0°♎			1582 Sep 20 j 17:54	0°♍	
	1580 Mar 23 j 12:48	7°♎27'55			1582 Oct 25 13:13	0°♎	
	1580 Apr 11 j 01:56	0°♏			1582 Nov 18 19:45	0°♏	
	1580 May 06 j 04:16	0°♐			1582 Dec 12 19:59	0°♐	
	1580 May 31 j 23:02	0°♑			1583 Jan 05 17:55	0°♑	
	1580 Jun 27 j 23:43	0°♒		desc. node	1583 Jan 07 21:08	2°♑40'39	
desc. node	1580 Jul 13 j 02:00	15°♒39'43		morning set	1583 Jan 26 17:58	26°♑21'05	
evening max el	1580 Jul 20 j 02:35	22°♒32'37	45°46'21		1583 Jan 29 15:48	0°♊	
	1580 Jul 28 j 04:08	0°♓			1583 Feb 22 14:58	0°♋	
greatest brilliancy	1580 Aug 27 j 06:14	20°♓24'39	-4.5m				
retrograde	1580 Sep 07 j 00:52	22°♓29'11		superior conj	1583 Mar 08 14:41	17°♌27'27	-1°-25'-38
evening set	1580 Sep 24 j 03:25	16°♓59'02		minimum elong	1583 Mar 08 16:38	17°♌33'31	1°25'38
inferior conj	1580 Sep 27 j 22:30	14°♓41'53	-7°-36'-37	max. Earth dist.	1583 Mar 12 18:42	22°♌38'52	1.72116 AU
minimum elong	1580 Sep 28 j 07:48	14°♓27'36	7°35'11		1583 Mar 18 16:31	0°♍	
min. Earth dist.	1580 Sep 28 j 20:15	14°♓08'33	0.27520 AU		1583 Apr 11 21:27	0°♎	
morning rise	1580 Oct 02 j 11:51	11°♓57'49		evening rise	1583 Apr 16 19:28	6°♎04'12	
direct	1580 Oct 18 j 22:42	6°♓45'24		asc. node	1583 May 01 00:48	23°♎34'45	
greatest brilliancy	1580 Nov 01 j 21:02	10°♓19'03	-4.6m		1583 May 06 06:21	0°♏	
asc. node	1580 Nov 03 j 05:26	10°♓59'25			1583 May 30 19:31	0°♐	
	1580 Nov 28 j 07:08	0°♑			1583 Jun 24 13:37	0°♑	
morning max el	1580 Dec 08 j 17:01	10°♑12'44	46°55'34		1583 Jul 19 14:29	0°♒	
	1580 Dec 27 j 04:17	0°♓			1583 Aug 14 01:59	0°♓	
	1581 Jan 22 j 07:15	0°♋		desc. node	1583 Aug 20 13:47	7°♓31'35	
	1581 Feb 16 j 12:27	0°♌			1583 Sep 09 07:51	0°♔	
desc. node	1581 Feb 22 j 18:51	7°♌32'09			1583 Oct 07 04:57	0°♕	
	1581 Mar 13 j 08:54	0°♍		evening max el	1583 Oct 12 07:10	5°♕07'13	46°55'24
	1581 Apr 07 j 01:46	0°♎			1583 Nov 10 13:40	0°♖	
	1581 May 01 j 17:10	0°♏		greatest brilliancy	1583 Nov 20 05:30	5°♖09'03	-4.7m
	1581 May 26 j 07:25	0°♐		retrograde	1583 Dec 01 15:37	7°♖35'55	
morning set	1581 Jun 11 j 02:59	19°♐20'35		asc. node	1583 Dec 11 17:18	5°♖31'59	
asc. node	1581 Jun 15 j 22:23	25°♐14'00		evening set	1583 Dec 16 00:20	3°♖30'41	
	1581 Jun 19 j 19:42	0°♑		min. Earth dist.	1583 Dec 21 19:33	0°♖08'02	0.26437 AU
	1581 Jul 14 j 05:11	0°♒		inferior conj	1583 Dec 22 05:07	29°♖53'25	2°41'37
max. Earth dist.	1581 Jul 14 j 15:14	0°♒30'58	1.73289 AU	minimum elong	1583 Dec 21 23:11	0°♖02'28	2°39'45
					1583 Dec 22 00:48	30°♖	
superior conj	1581 Jul 17 j 11:39	4°♒01'55	1°05'40	morning rise	1583 Dec 27 22:08	26°♖32'00	
minimum elong	1581 Jul 17 j 03:03	3°♒35'22	1°05'23	direct	1584 Jan 11 12:33	22°♖16'38	
	1581 Aug 07 j 11:48	0°♗		greatest brilliancy	1584 Jan 23 02:20	24°♖46'24	-4.7m
evening rise	1581 Aug 22 j 14:35	18°♗43'57			1584 Feb 01 19:46	0°♗	
	1581 Aug 31 j 16:32	0°♘		morning max el	1584 Mar 01 16:27	24°♗40'30	46°40'51
	1581 Sep 24 j 20:41	0°♙			1584 Mar 06 22:47	0°♘	
desc. node	1581 Oct 05 j 11:42	13°♙11'02		desc. node	1584 Apr 01 06:44	27°♙19'03	
	1581 Oct 19 j 01:19	0°♚			1584 Apr 03 16:10	0°♙	
	1581 Nov 12 j 07:24	0°♛			1584 Apr 29 20:28	0°♚	
	1581 Dec 06 j 17:01	0°♜			1584 May 25 09:13	0°♛	
	1581 Dec 31 j 11:24	0°♝			1584 Jun 19 13:08	0°♜	
	1582 Jan 26 j 01:56	0°♞			1584 Jul 14 09:59	0°♝	
asc. node	1582 Jan 26 j 14:57	0°♞37'06		asc. node	1584 Jul 23 10:07	10°♞57'00	
	1582 Feb 22 j 17:33	0°♟			1584 Aug 07 23:53	0°♞	
evening max el	1582 Feb 25 j 14:37	2°♟53'16	46°14'22	morning set	1584 Aug 28 02:51	24°♞48'46	
	1582 Mar 31 j 11:08	0°♠			1584 Sep 01 07:18	0°♟	
greatest brilliancy	1582 Apr 01 j 12:51	0°♠32'05	-4.5m		1584 Sep 25 09:44	0°♠	
retrograde	1582 Apr 16 j 03:53	4°♠19'40		max. Earth dist.	1584 Oct 01 09:14	7°♠28'13	1.71906 AU
	1582 May 01 j 01:25	30°♠					
evening set	1582 May 01 j 15:35	29°♠40'22		superior conj	1584 Oct 04 08:29	11°♠10'58	1°15'11
inferior conj	1582 May 07 j 13:45	26°♠04'24	2°28'32	minimum elong	1584 Oct 04 16:47	11°♠36'55	1°15'00
minimum elong	1582 May 07 j 18:59	25°♠56'09	2°27'03		1584 Oct 19 09:15	0°♠	
min. Earth dist.	1582 May 07 j 14:56	26°♠02'31	0.28819 AU	desc. node	1584 Nov 11 23:41	29°♠35'12	
morning rise	1582 May 13 j 22:37	22°♠13'53			1584 Nov 12 07:36	0°♠	
desc. node	1582 May 18 j 04:18	20°♠09'30		evening rise	1584 Nov 12 21:09	0°♠42'30	
direct	1582 May 29 j 02:18	17°♠49'12			1584 Dec 06 05:57	0°♠	
greatest brilliancy	1582 Jun 11 j 01:36	20°♠46'18	-4.5m		1584 Dec 30 05:22	0°♊	
	1582 Jun 26 j 10:43	0°♠			1585 Jan 23 07:48	0°♋	

	1585 Feb 16 16:48	0°♃			1587 Aug 23 05:11	0°♋		
asc. node	1585 Mar 05 02:54	19°♃53'26			1587 Sep 16 19:57	0°♌		
	1585 Mar 13 13:55	0°♄			1587 Oct 11 01:12	0°♍		
	1585 Apr 08 08:22	0°♅			1587 Nov 04 00:40	0°♎		
	1585 May 05 21:06	0°♆		morning set	1587 Nov 08 12:21	5°♎38'02		
evening max el	1585 May 17 03:49	11°♆16'02	45°24'37		1587 Nov 27 21:26	0°♏		
	1585 Jun 08 01:06	0°♇		desc. node	1587 Dec 10 11:24	15°♏50'15		
greatest brilliancy	1585 Jun 21 00:23	7°♇42'53	-4.5m					
desc. node	1585 Jun 24 16:12	9°♇10'41		superior conj	1587 Dec 19 07:11	26°♏56'36	0°-20'-54	
retrograde	1585 Jul 04 18:45	11°♇01'12		minimum elong	1587 Dec 19 01:41	26°♏39'17	0°20'39	
evening set	1585 Jul 20 21:33	6°♇04'24		max. Earth dist.	1587 Dec 20 07:11	28°♏12'05	1.71057 AU	
inferior conj	1585 Jul 26 05:31	2°♇51'42	-6°-32'-46		1587 Dec 21 17:28	0°♐		
minimum elong	1585 Jul 25 19:38	3°♇07'03	6°30'53		1588 Jan 14 14:01	0°♑		
min. Earth dist.	1585 Jul 26 06:44	2°♇49'48	0.28928 AU	evening rise	1588 Jan 29 19:21	19°♑05'56		
morning rise	1585 Jul 30 17:32	0°♈07'07			1588 Feb 07 12:21	0°♒		
	1585 Jul 30 22:25	30°♉			1588 Mar 02 14:16	0°♓		
direct	1585 Aug 16 20:20	24°♉34'50			1588 Mar 26 21:57	0°♈		
greatest brilliancy	1585 Aug 31 05:44	28°♉12'29	-4.5m	asc. node	1588 Apr 01 14:57	6°♈59'15		
	1585 Sep 03 17:27	0°♊			1588 Apr 20 13:47	0°♉		
morning max el	1585 Oct 05 12:38	25°♊48'19	46°18'19		1588 May 15 16:52	0°♊		
	1585 Oct 09 17:01	0°♋			1588 Jun 10 13:06	0°♋		
asc. node	1585 Oct 15 19:44	6°♋20'24			1588 Jul 07 17:06	0°♌		
	1585 Nov 06 05:52	0°♌		desc. node	1588 Jul 22 04:02	14°♌52'22		
	1585 Dec 01 17:41	0°♍		evening max el	1588 Jul 27 16:05	20°♌14'09	45°44'26	
	1585 Dec 26 09:33	0°♎			1588 Aug 07 08:46	0°♍		
	1586 Jan 19 17:10	0°♏		greatest brilliancy	1588 Sep 03 19:24	18°♍04'57	-4.5m	
desc. node	1586 Feb 04 09:01	19°♏24'29		retrograde	1588 Sep 14 13:25	20°♍09'04		
	1586 Feb 12 21:56	0°♐		evening set	1588 Oct 01 19:49	14°♍34'37		
	1586 Mar 09 02:23	0°♑		inferior conj	1588 Oct 05 12:15	12°♍21'13	-7°-47'-12	
	1586 Apr 02 07:54	0°♒		minimum elong	1588 Oct 05 21:05	12°♍07'38	7°45'56	
morning set	1586 Apr 11 05:46	11°♒00'34		min. Earth dist.	1588 Oct 06 10:09	11°♍47'34	0.27586 AU	
	1586 Apr 26 15:12	0°♓		morning rise	1588 Oct 09 21:57	9°♍41'58		
				direct	1588 Oct 26 12:43	4°♍23'41		
superior conj	1586 May 18 18:26	27°♓14'42	0°-22'-56	greatest brilliancy	1588 Nov 09 12:28	7°♍57'56	-4.6m	
minimum elong	1586 May 18 23:11	27°♓29'18	0°22'43	asc. node	1588 Nov 12 07:26	9°♍24'33		
max. Earth dist.	1586 May 19 18:56	28°♓30'03	1.73457 AU		1588 Dec 08 10:00	0°♎		
	1586 May 21 00:12	0°♏		morning max el	1588 Dec 16 05:48	7°♎45'18	46°54'56	
asc. node	1586 May 28 12:36	9°♏14'21			1589 Jan 05 21:55	0°♏		
	1586 Jun 14 10:15	0°♐			1589 Jan 31 21:55	0°♐		
evening rise	1586 Jun 24 06:21	12°♐04'48			1589 Feb 26 01:40	0°♑		
	1586 Jul 08 20:47	0°♑		desc. node	1589 Mar 03 20:58	6°♑59'25		
	1586 Aug 02 08:00	0°♒			1589 Mar 22 21:16	0°♒		
	1586 Aug 26 21:02	0°♓			1589 Apr 16 13:33	0°♓		
desc. node	1586 Sep 17 01:53	25°♓46'46			1589 May 11 04:32	0°♈		
	1586 Sep 20 13:29	0°♔			1589 Jun 04 18:30	0°♉		
	1586 Oct 15 11:22	0°♕		morning set	1589 Jun 18 20:57	17°♉15'01		
	1586 Nov 09 18:50	0°♖		asc. node	1589 Jun 25 00:20	24°♉46'25		
	1586 Dec 06 00:09	0°♗			1589 Jun 29 06:39	0°♊		
evening max el	1586 Dec 23 18:13	18°♗59'28	47°16'10	max. Earth dist.	1589 Jul 22 09:38	28°♊26'08	1.73323 AU	
	1587 Jan 04 00:29	0°♘			1589 Jul 23 16:06	0°♋		
asc. node	1587 Jan 08 05:09	3°♘48'05						
greatest brilliancy	1587 Jan 30 05:44	19°♘20'09	-4.7m	superior conj	1589 Jul 25 05:58	1°♋56'45	1°03'38	
retrograde	1587 Feb 12 16:58	22°♘41'49		minimum elong	1589 Jul 24 21:16	1°♋29'54	1°03'20	
evening set	1587 Mar 02 15:39	16°♘25'02			1589 Aug 16 22:48	0°♌		
min. Earth dist.	1587 Mar 05 01:22	14°♘55'13	0.27874 AU	evening rise	1589 Aug 30 07:37	16°♌33'39		
inferior conj	1587 Mar 05 15:56	14°♘32'21	8°46'29		1589 Sep 10 03:40	0°♍		
minimum elong	1587 Mar 05 16:54	14°♘30'49	8°46'27		1589 Oct 04 08:03	0°♎		
morning rise	1587 Mar 08 18:23	12°♘36'57		desc. node	1589 Oct 14 13:50	12°♎42'01		
direct	1587 Mar 26 12:56	6°♘33'53			1589 Oct 28 12:59	0°♏		
greatest brilliancy	1587 Apr 06 11:14	8°♘46'04	-4.6m		1589 Nov 21 19:29	0°♐		
desc. node	1587 Apr 29 18:32	23°♘40'30			1589 Dec 16 05:43	0°♑		
	1587 May 07 01:09	0°♒			1590 Jan 10 01:06	0°♒		
morning max el	1587 May 14 18:05	7°♒12'32	45°57'43		1590 Feb 04 17:40	0°♓		
	1587 Jun 06 00:36	0°♓		asc. node	1590 Feb 04 17:01	29°♓58'07		
	1587 Jul 03 03:05	0°♔			1590 Mar 04 14:54	0°♈		
	1587 Jul 29 01:05	0°♕		evening max el	1590 Mar 05 04:30	0°♈33'52	46°16'48	
asc. node	1587 Aug 20 22:03	27°♕13'55		greatest brilliancy	1590 Apr 09 05:35	28°♈21'11	-4.5m	

retrograde	1590 Apr 13 00:35	0°II			1592 Sep 24 20:46	0°♁		
	1590 Apr 23 20:02	2°II09'04		max. Earth dist.	1592 Sep 28 23:42	5°♁08'53	1.71956 AU	
	1590 May 04 04:59	30°♄						
evening set	1590 May 09 09:46	27°♄26'54		superior conj	1592 Oct 01 23:16	8°♁52'29	1°16'46	
inferior conj	1590 May 15 06:04	23°♄53'47	2°47'40	minimum elong	1592 Oct 02 07:00	9°♁16'42	1°16'35	
minimum elong	1590 May 15 11:55	23°♄44'34	2°46'01		1592 Oct 18 20:23	0°♁		
min. Earth dist.	1590 May 15 07:41	23°♄51'15	0.28804 AU	evening rise	1592 Nov 10 08:43	28°♁12'59		
morning rise	1590 May 21 14:14	20°♄04'04		desc. node	1592 Nov 11 01:38	29°♁06'00		
desc. node	1590 May 27 06:15	17°♄25'02			1592 Nov 11 18:52	0°♄		
direct	1590 Jun 05 17:39	15°♄38'39			1592 Dec 05 17:22	0°♄		
greatest brilliancy	1590 Jun 18 17:06	18°♄35'25	-4.5m		1592 Dec 29 16:55	0°♁		
	1590 Jul 06 23:13	0°II			1593 Jan 22 19:33	0°♄		
morning max el	1590 Jul 24 10:22	15°II16'56	45°44'57		1593 Feb 16 04:56	0°♄		
	1590 Aug 08 03:37	0°♄		asc. node	1593 Mar 04 05:02	19°♄21'57		
	1590 Sep 04 14:00	0°♁			1593 Mar 13 02:51	0°♄		
asc. node	1590 Sep 17 09:59	14°♁47'56			1593 Apr 07 23:00	0°II		
	1590 Sep 30 06:51	0°♁			1593 May 05 16:07	0°♄		
	1590 Oct 25 01:24	0°♁		evening max el	1593 May 14 20:36	9°♄07'24	45°25'14	
	1590 Nov 18 07:30	0°♁			1593 Jun 08 20:09	0°♁		
	1590 Dec 12 07:29	0°♄		greatest brilliancy	1593 Jun 18 14:38	5°♁31'15	-4.5m	
	1591 Jan 05 05:15	0°♄		desc. node	1593 Jun 23 18:16	7°♁28'41		
desc. node	1591 Jan 06 23:12	2°♄11'38		retrograde	1593 Jul 02 11:06	8°♁51'14		
morning set	1591 Jan 24 03:58	23°♄46'38		evening set	1593 Jul 18 10:50	3°♁58'21		
	1591 Jan 29 03:02	0°♁		inferior conj	1593 Jul 23 21:35	0°♁41'16	-6°-19'-17	
	1591 Feb 22 02:07	0°♄		minimum elong	1593 Jul 23 11:40	0°♁56'42	6°17'19	
				min. Earth dist.	1593 Jul 23 21:57	0°♁40'42	0.28943 AU	
superior conj	1591 Mar 06 03:20	15°♄02'42	-1°-25'-53		1593 Jul 25 00:08	30°♄		
minimum elong	1591 Mar 06 04:19	15°♄05'45	1°25'55	morning rise	1593 Jul 28 12:23	27°♄52'36		
max. Earth dist.	1591 Mar 10 04:54	20°♄06'38	1.72063 AU	direct	1593 Aug 14 13:11	22°♄24'28		
	1591 Mar 18 03:37	0°♄		greatest brilliancy	1593 Aug 28 20:38	26°♄00'12	-4.5m	
	1591 Apr 11 08:32	0°♄			1593 Sep 05 01:37	0°♁		
evening rise	1591 Apr 14 10:18	3°♄47'41		morning max el	1593 Oct 03 04:18	23°♁34'05	46°16'37	
asc. node	1591 Apr 30 02:45	23°♄06'34			1593 Oct 09 13:19	0°♁		
	1591 May 05 17:30	0°II		asc. node	1593 Oct 14 21:46	5°♁35'59		
	1591 May 30 06:54	0°♄			1593 Nov 05 21:14	0°♁		
	1591 Jun 24 01:26	0°♁			1593 Dec 01 07:13	0°♁		
	1591 Jul 19 03:03	0°♁			1593 Dec 25 22:10	0°♄		
	1591 Aug 13 15:51	0°♁			1594 Jan 19 05:14	0°♄		
desc. node	1591 Aug 19 15:56	6°♁56'26		desc. node	1594 Feb 03 11:09	18°♄54'37		
	1591 Sep 09 00:10	0°♁			1594 Feb 12 09:34	0°♁		
	1591 Oct 07 03:16	0°♄			1594 Mar 08 13:41	0°♄		
evening max el	1591 Oct 09 20:16	2°♄41'57	46°53'23		1594 Apr 01 18:57	0°♄		
	1591 Nov 12 05:43	0°♄		morning set	1594 Apr 08 21:20	8°♄46'28		
greatest brilliancy	1591 Nov 17 18:43	2°♄40'02	-4.7m		1594 Apr 26 02:05	0°♄		
retrograde	1591 Nov 29 04:18	5°♄06'20						
asc. node	1591 Dec 10 19:16	2°♄21'51		superior conj	1594 May 16 11:46	25°♄07'08	0°-26'-3	
evening set	1591 Dec 13 11:52	1°♄01'56		minimum elong	1594 May 16 17:07	25°♄23'36	0°25'48	
	1591 Dec 15 08:48	30°♄		max. Earth dist.	1594 May 17 18:04	26°♄40'18	1.73433 AU	
inferior conj	1591 Dec 19 17:20	27°♄24'14	2°17'56		1594 May 20 11:01	0°II		
minimum elong	1591 Dec 19 12:12	27°♄32'03	2°16'19	asc. node	1594 May 27 14:35	8°II47'16		
min. Earth dist.	1591 Dec 19 09:01	27°♄36'55	0.26421 AU		1594 Jun 13 21:06	0°♄		
morning rise	1591 Dec 25 12:38	24°♄00'17		evening rise	1594 Jun 22 01:20	10°♄02'23		
direct	1592 Jan 09 00:54	19°♄47'25			1594 Jul 08 07:45	0°♁		
greatest brilliancy	1592 Jan 20 16:50	22°♄20'02	-4.7m		1594 Aug 01 19:13	0°♁		
	1592 Feb 02 22:42	0°♄			1594 Aug 26 08:42	0°♁		
morning max el	1592 Feb 28 06:32	22°♄17'59	46°42'14	desc. node	1594 Sep 16 03:56	25°♁15'59		
	1592 Mar 06 19:52	0°♁			1594 Sep 20 01:48	0°♁		
desc. node	1592 Mar 31 08:53	26°♁39'55			1594 Oct 15 00:40	0°♄		
	1592 Apr 03 07:59	0°♄			1594 Nov 09 09:43	0°♄		
	1592 Apr 29 10:06	0°♄			1594 Dec 05 18:15	0°♁		
	1592 May 24 21:40	0°♄		evening max el	1594 Dec 21 09:41	16°♁39'11	47°17'00	
	1592 Jun 19 00:54	0°♄			1595 Jan 04 05:17	0°♄		
	1592 Jul 13 21:19	0°♄		asc. node	1595 Jan 07 07:19	2°♄43'30		
asc. node	1592 Jul 22 12:16	10°♄29'21		greatest brilliancy	1595 Jan 27 23:14	17°♄02'22	-4.7m	
	1592 Aug 07 10:59	0°♁		retrograde	1595 Feb 10 08:02	20°♄20'53		
morning set	1592 Aug 25 19:32	22°♁37'47		evening set	1595 Feb 28 05:57	14°♄05'32		
	1592 Aug 31 18:19	0°♁		min. Earth dist.	1595 Mar 02 14:58	12°♄36'44	0.27815 AU	

inferior conj	1595 Mar 03 06:28	12°♁12'20	8°47'34		1597 Sep 09 14:34	0°♁	
minimum elong	1595 Mar 03 06:36	12°♁12'08	8°47'35		1597 Oct 03 19:13	0°♁	
morning rise	1595 Mar 06 07:29	10°♁19'04		desc. node	1597 Oct 13 15:47	12°♁13'03	
direct	1595 Mar 24 03:12	4°♁15'12			1597 Oct 28 00:29	0°♁	
greatest brilliancy	1595 Apr 03 22:50	6°♁24'54	-4.6m		1597 Nov 21 07:25	0°♁	
desc. node	1595 Apr 28 20:27	22°♁38'09			1597 Dec 15 18:16	0°♁	
	1595 May 07 03:09	0°♁			1598 Jan 09 14:41	0°♁	
morning max el	1595 May 12 08:07	4°♁55'40	45°58'55	asc. node	1598 Feb 03 19:07	29°♁19'40	
	1595 Jun 05 17:20	0°♁			1598 Feb 04 09:23	0°♁	
	1595 Jul 02 16:51	0°♁		evening max el	1598 Mar 02 18:40	28°♁15'57	46°19'20
	1595 Jul 28 13:29	0°♁			1598 Mar 04 12:44	0°♁	
asc. node	1595 Aug 20 00:09	26°♁44'56		greatest brilliancy	1598 Apr 06 21:33	26°♁10'05	-4.5m
	1595 Aug 22 16:51	0°♁		retrograde	1598 Apr 21 12:37	29°♁59'24	
	1595 Sep 16 07:15	0°♁		evening set	1598 May 07 04:05	25°♁14'00	
	1595 Oct 10 12:19	0°♁		inferior conj	1598 May 12 22:24	21°♁43'57	3°06'33
	1595 Nov 03 11:44	0°♁		minimum elong	1598 May 13 04:49	21°♁33'50	3°04'46
morning set	1595 Nov 06 01:05	3°♁12'36		min. Earth dist.	1598 May 13 00:12	21°♁41'07	0.28787 AU
	1595 Nov 27 08:30	0°♁		morning rise	1598 May 19 05:43	17°♁55'33	
desc. node	1595 Dec 09 13:27	15°♁21'54		desc. node	1598 May 26 08:21	14°♁45'51	
				direct	1598 Jun 03 09:08	13°♁28'53	
superior conj	1595 Dec 16 16:58	24°♁21'33	0°-16'-59	greatest brilliancy	1598 Jun 16 08:53	16°♁25'58	-4.5m
minimum elong	1595 Dec 16 12:27	24°♁07'22	0°16'47		1598 Jul 07 07:58	0°♁	
max. Earth dist.	1595 Dec 17 10:04	25°♁15'23	1.71057 AU	morning max el	1598 Jul 22 02:32	13°♁08'08	45°44'46
	1595 Dec 21 04:33	0°♁			1598 Aug 07 21:12	0°♁	
	1596 Jan 14 01:07	0°♁			1598 Sep 04 03:57	0°♁	
evening rise	1596 Jan 27 05:30	16°♁32'25		asc. node	1598 Sep 16 12:00	14°♁15'35	
	1596 Feb 06 23:29	0°♁			1598 Sep 29 19:21	0°♁	
	1596 Mar 02 01:29	0°♁			1598 Oct 24 13:12	0°♁	
	1596 Mar 26 09:20	0°♁			1598 Nov 17 18:56	0°♁	
asc. node	1596 Mar 31 16:56	6°♁30'23			1598 Dec 11 18:43	0°♁	
	1596 Apr 20 01:30	0°♁			1599 Jan 04 16:22	0°♁	
	1596 May 15 05:20	0°♁		desc. node	1599 Jan 06 01:23	1°♁43'39	
	1596 Jun 10 03:06	0°♁		morning set	1599 Jan 21 13:33	21°♁11'31	
	1596 Jul 07 10:38	0°♁			1599 Jan 28 14:01	0°♁	
desc. node	1596 Jul 21 06:09	14°♁05'04			1599 Feb 21 13:00	0°♁	
evening max el	1596 Jul 25 05:04	17°♁55'05	45°42'25				
	1596 Aug 07 15:11	0°♁		superior conj	1599 Mar 03 15:32	12°♁37'16	-1°-25'-59
greatest brilliancy	1596 Sep 01 08:07	15°♁45'20	-4.5m	minimum elong	1599 Mar 03 15:32	12°♁37'16	1°26'01
retrograde	1596 Sep 12 02:08	17°♁49'54		max. Earth dist.	1599 Mar 07 14:55	17°♁34'38	1.72008 AU
evening set	1596 Sep 29 12:09	12°♁11'01			1599 Mar 17 14:26	0°♁	
inferior conj	1596 Oct 03 02:06	10°♁01'18	-7°-56'-47		1599 Apr 10 19:19	0°♁	
minimum elong	1596 Oct 03 10:25	9°♁48'32	7°55'41	evening rise	1599 Apr 12 00:58	1°♁31'33	
min. Earth dist.	1596 Oct 04 00:17	9°♁27'14	0.27656 AU	asc. node	1599 Apr 29 04:49	22°♁39'35	
morning rise	1596 Oct 07 08:17	7°♁26'58			1599 May 05 04:22	0°♁	
direct	1596 Oct 24 02:38	2°♁02'28			1599 May 29 17:59	0°♁	
greatest brilliancy	1596 Nov 07 05:03	5°♁38'56	-4.6m		1599 Jun 23 12:55	0°♁	
asc. node	1596 Nov 11 09:25	7°♁53'24			1599 Jul 18 15:16	0°♁	
	1596 Dec 08 11:19	0°♁			1599 Aug 13 05:21	0°♁	
morning max el	1596 Dec 13 19:07	5°♁19'39	46°54'23	desc. node	1599 Aug 18 18:00	6°♁22'17	
	1597 Jan 05 15:01	0°♁			1599 Sep 08 16:14	0°♁	
	1597 Jan 31 12:15	0°♁			1599 Oct 07 01:55	0°♁	
	1597 Feb 25 14:36	0°♁		evening max el	1599 Oct 07 10:09	0°♁20'19	46°51'10
desc. node	1597 Mar 02 23:02	6°♁27'16			1599 Nov 14 20:09	0°♁	
	1597 Mar 22 09:22	0°♁		greatest brilliancy	1599 Nov 15 07:24	0°♁11'32	-4.7m
	1597 Apr 16 01:05	0°♁		retrograde	1599 Nov 26 17:08	2°♁37'20	
	1597 May 10 15:40	0°♁			1599 Dec 08 01:16	30°♁	
	1597 Jun 04 05:19	0°♁		asc. node	1599 Dec 09 21:28	29°♁07'24	
morning set	1597 Jun 16 15:17	15°♁11'23		evening set	1599 Dec 10 23:36	28°♁33'37	
asc. node	1597 Jun 24 02:31	24°♁20'25		inferior conj	1599 Dec 17 05:26	24°♁55'29	1°53'51
	1597 Jun 28 17:17	0°♁		minimum elong	1599 Dec 17 01:09	25°♁02'00	1°52'29
max. Earth dist.	1597 Jul 20 06:48	26°♁30'48	1.73356 AU	min. Earth dist.	1599 Dec 16 22:13	25°♁06'27	0.26415 AU
				morning rise	1599 Dec 23 02:50	21°♁29'10	
superior conj	1597 Jul 23 00:40	29°♁53'43	1°01'31	direct	1600 Jan 06 13:40	17°♁18'42	
minimum elong	1597 Jul 22 15:54	29°♁26'43	1°01'14	greatest brilliancy	1600 Jan 18 06:43	19°♁53'13	-4.7m
	1597 Jul 23 02:42	0°♁			1600 Feb 03 18:16	0°♁	
	1597 Aug 16 09:29	0°♁		morning max el	1600 Feb 25 20:49	19°♁56'22	46°43'30
evening rise	1597 Aug 28 01:06	14°♁25'43			1600 Mar 06 16:04	0°♁	

desc. node	1600 Mar 30 10:51	26° $\approx$ 01'18
	1600 Apr 02 23:19	0° $\text{♁}$
	1600 Apr 28 23:19	0° $\text{♂}$
	1600 May 24 09:45	0° $\text{♄}$
	1600 Jun 18 12:18	0° $\text{♃}$
	1600 Jul 13 08:19	0° $\text{♂}$
asc. node	1600 Jul 21 14:20	10° $\text{♁}$ 02'29
	1600 Aug 06 21:45	0° $\text{♄}$
morning set	1600 Aug 23 12:40	20° $\text{♄}$ 29'21
	1600 Aug 31 04:58	0° $\text{♁}$