Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 1 Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style.

Attention, astronom	ical year style is used: Th	e year -6398 i	n astronomical co	unting style is the year	6399 BCE in historical c	ounting style.	
conjunction	-6398 Feb 15 j 17:46	9° ට 30'31	-1°03'26		-6393 Mar 30 j 17:41	0° M	
minimum elong	-6398 Feb 15 j 19:24	9° る 33'20	1°03'50	retrograde	-6393 May 15 j 01:25	12°ML02'27	
	-6398 Mar 17 j 18:32	0° ≈		min. Earth dist.	-6393 Jun 10 j 20:45	7°M29'37	0.40525 AU
max. Earth dist.	-6398 Mar 18 j 09:30	0° ≈ 25'08	2.56640 AU	greatest brilliancy	-6393 Jun 16 j 02:04	5°M55'48	-2.7m
morning rise	-6398 Apr 10 j 19:17	15° ≈ 57'23		opposition	-6393 Jun 17 j 08:46	5°M32'36	-5°23'09
	-6398 May 02 j 09:19	0°)		direct	-6393 Jul 18 j 01:52	0°M00'16	
	-6398 Jun 18 j 18:12	0° Y			-6393 Oct 09 j 05:59	0° ∡ ¹	
asc. node	-6398 Jun 29 j 23:31	6° Y 56'55			-6393 Nov 29 j 06:44	0°ಕ	
	-6398 Aug 07 j 00:57	0°8			-6392 Jan 16 j 23:22	0° ≈	
	-6398 Sep 29 j 05:51	Π °0		asc. node	-6392 Feb 19 j 09:06	20° ≈ 46′02	
retrograde	-6398 Dec 24 j 05:52	29° Ⅱ 01'39			-6392 Mar 05 j 04:29	0° \	
opposition	-6397 Jan 28 j 11:45	21° II 42'13			-6392 Apr 21 j 22:27	0°Υ 	
greatest brilliancy	-6397 Jan 30 j 01:39		-2.0m	evening set	-6392 May 01 j 08:51	5° Υ 59'17	2 (2006 177
min. Earth dist.	-6397 Feb 05 j 14:05	18° Ⅱ 49'27	0.52173 AU	max. Earth dist.	-6392 Jun 01 j 03:51		2.63986 AU
direct	-6397 Mar 08 j 11:00	12° Ⅱ 44'44			-6392 Jun 07 j 16:44	0°B	
1 1-	-6397 May 04 j 12:03	0°ഇ 28° ഇ 12'12		· · · · · · · · · · · · ·	(202 Jun 17: 11:04	(0 U 22151	0050111
desc. node	-6397 Jun 19 j 23:40 -6397 Jun 22 j 15:20			conjunction	-6392 Jun 17 j 11:04	6° 8 22'51	
	-6397 Jun 22 j 15:20 -6397 Aug 03 j 15:39	0° Ω 0° m		minimum elong	-6392 Jun 17 j 09:44 -6392 Jul 22 j 23:04	6° 8 20'41 0° Ⅱ	0-38-23
	-6397 Sep 12 j 15:20	0∘ ত رااا		morning rise	-6392 Aug 02 j 19:25	0 H 7°H21'42	
	-6397 Oct 22 j 11:52	0° ™		morning risc	-6392 Sep 04 j 12:41	0°95	
	-6397 Dec 02 j 07:18	0° ⊼ ¹			-6392 Oct 16 j 12:54	0° U	
	-6396 Jan 13 j 17:11	°ਤ ਹ°ਤ			-6392 Nov 26 j 08:55	0° m)	
evening set	-6396 Feb 10 j 12:00	0 18° る 59'04			-6391 Jan 05 j 15:14	0∘ ⊽	
evening sec	-6396 Feb 26 j 22:45	0° ≈		desc. node	-6391 Feb 09 j 06:43	25° ♀ 36'44	
					-6391 Feb 15 j 07:28	0° M	
conjunction	-6396 Apr 01 j 20:31	22° ≈ 55'46	-0°25'05		-6391 Mar 30 j 06:05	0° ∡ ¹	
minimum elong	-6396 Apr 01 j 21:32	22° ≈ 57'27			-6391 May 20 j 14:56	ರ°0	
C	-6396 Apr 12 j 18:35	0° ∀		retrograde	-6391 Jul 07 j 01:35	12° る 56'06	
max. Earth dist.	-6396 Apr 14 j 10:43	1°) 04'44	2.64446 AU	min. Earth dist.	-6391 Aug 06 j 22:07	6° る 27'44	0.52603 AU
asc. node	-6396 May 16 j 17:54	21°) 47′03		greatest brilliancy	-6391 Aug 13 j 01:27	4° ろ 09'24	-2.0m
morning rise	-6396 May 20 j 04:22	23° ¥ 58′28		opposition	-6391 Aug 14 j 07:42	3° る 40'52	-5°16'40
	-6396 May 29 j 15:37	$0^{\circ}\mathbf{\Upsilon}$			-6391 Aug 24 j 18:55	30°₽ ⋌	
	-6396 Jul 16 j 00:39	9° 8		direct	-6391 Sep 18 j 04:19	26° ₹ °02′10	
	-6396 Sep 01 j 17:49	Π $^{\circ}0$			-6391 Oct 14 j 11:25	0°ප	
	-6396 Oct 20 j 11:28	0 \circ \odot			-6391 Dec 21 j 10:10	0° ≈	
	-6396 Dec 12 j 01:23	$0^{\circ}\Omega$		asc. node	-6390 Jan 06 j 09:17	8° ≈ 45'43	
retrograde	-6395 Feb 26 j 23:05	25° Ω 27'40			-6390 Feb 12 j 06:22	0° ∀	
opposition	-6395 Mar 30 j 02:40	20° Ω 05'50			-6390 Apr 02 j 20:22	0° Υ	
greatest brilliancy	-6395 Mar 30 j 19:44	19° £ 53'42	-2.8m		-6390 May 20 j 05:37	0°8	
min. Earth dist.	-6395 Apr 04 j 16:58	18° Ω 30'40	0.40063 AU	evening set	-6390 Jun 10 j 00:30	13° 8 37'12	2.55050 111
direct	-6395 May 01 j 23:13	14° Ω 02'31		max. Earth dist.	-6390 Jun 29 j 06:09	26° 8 30'18	2.55978 AU
desc. node	-6395 May 07 j 03:57	14° Ω 13′24			-6390 Jul 04 j 09:42	Π $^{\circ}0$	
	-6395 Jun 24 j 10:19 -6395 Aug 13 j 06:33	0 ்⊽ 0∘₥		conjunction	-6390 Jul 28 j 23:33	16° Ⅱ 58'48	1011121
	-6395 Sep 26 j 10:30	0° ™		minimum elong	-6390 Jul 28 j 23:49	16° Ⅱ 58'48	
	-6395 Nov 08 j 22:44	0° ⊼		minimum ciong	-6390 Aug 16 j 08:54	0°95	1 11 33
	-6395 Dec 23 j 05:16	0°ਤ		morning rise	-6390 Sep 17 j 20:02	23°937'35	
	-6394 Feb 06 j 17:08	0° ≈		morning rise	-6390 Sep 26 j 10:03	0° Ω	
evening set	-6394 Mar 24 j 09:20	29°≈26'12			-6390 Nov 05 j 01:42	0° m/y	
	-6394 Mar 25 j 06:29	0°)			-6390 Dec 14 j 00:22	0∘ <mark>ಹ</mark>	
asc. node	-6394 Apr 03 j 11:50	5° ¥ 53'37		desc. node	-6390 Dec 28 j 04:53	10° ≏ 56'28	
max. Earth dist.	-6394 May 08 j 13:44		2.66915 AU		-6389 Jan 22 j 02:05	0°M	
	. v				-6389 Mar 03 j 07:06	0° ∡ 7	
conjunction	-6394 May 11 j 07:48	0° Υ ′01′22	0°21'04		-6389 Apr 15 j 01:28	ರ°0	
minimum elong	-6394 May 11 j 07:03	0° Y 00'10	0°21'00		-6389 Jun 02 j 12:39	0° ≈	
	-6394 May 11 j 06:57	0° Υ		retrograde	-6389 Aug 16 j 04:03	25° ≈ 39'38	
morning rise	-6394 Jun 26 j 05:16	29° Ƴ 28'04		min. Earth dist.	-6389 Sep 21 j 01:33	17° ≈ 18'14	0.62543 AU
	-6394 Jun 27 j 01:02	0°8		opposition	-6389 Sep 25 j 00:49	15° ≈ 42'52	
	-6394 Aug 11 j 23:41	Π °0		greatest brilliancy	-6389 Sep 24 j 17:41	15° ≈ 50′01	-1.6m
	-6394 Sep 25 j 23:14	0°€		direct	-6389 Nov 02 j 05:39	6° ≈ 42'35	
	-6394 Nov 09 j 04:40	0° N		asc. node	-6389 Nov 24 j 12:06	9° ≈ 30'38	
	-6394 Dec 23 j 04:52	0° m)			-6388 Jan 16 j 10:29	0°) €	
1 1	-6393 Feb 06 j 09:00	0° ™			-6388 Mar 11 j 16:53	0° Υ	
desc. node	-6393 Mar 25 j 06:25	27° ≏ 22'03			-6388 Apr 29 j 21:31	0°B	

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Attention, astronom	ical year style is used: Th -6388 Jun 14 j 13:40	0° Ⅱ	n astronomicai co	max. Earth dist.	-6383 Mar 04 j 22:00		2.52263 AU
evening set	-6388 Jul 24 j 05:41	0 H 27°∏42'25			-6383 Mar 23 j 23:04	10 3 23 14 29° 3 22'50	2.32203 AU
evening set	-	27°Щ42′23 0°95		morning rise	•		
Faul die	-6388 Jul 27 j 10:12		2 44150 ATT		-6383 Mar 24 j 21:10	0° ≈ 0°) €	
max. Earth dist.	-6388 Aug 10 j 03:52		2.44159 AU		-6383 May 09 j 13:00	0° Υ	
	-6388 Sep 06 j 01:10	$0 {\circ} \Omega$		4-	-6383 Jun 26 j 08:51		
	(200 G 17:04 12	00 02/120	0020150	asc. node	-6383 Jul 16 j 15:38	12° Y 15′25	
conjunction	-6388 Sep 17 j 04:13	8°Ω26'39 8°Ω31'10	0°39'59 0°40'18		-6383 Aug 16 j 04:13	$\mathfrak{g}_{\circ 0}$	
minimum elong	-6388 Sep 17 j 06:35		0-40-18	. 1	-6383 Oct 14 j 19:14	12° Ⅱ 17'37	
	-6388 Oct 15 j 03:34	0° m)		retrograde	-6383 Dec 04 j 16:55		5020150
desc. node	-6388 Nov 13 j 23:33	23° m 18'04		opposition	-6382 Jan 10 j 06:45	4° Ⅱ 20'57	
morning rise	-6388 Nov 17 j 13:41	26° Mp 06'44		greatest brilliancy	-6382 Jan 11 j 12:28		-1.8m
	-6388 Nov 22 j 12:49	0∘ 亚		min. Earth dist.	-6382 Jan 17 j 08:35	1° Ⅱ 43'09	0.56806 AU
	-6388 Dec 31 j 01:43	0°M 0°. ⊼		1.	-6382 Jan 22 j 05:00	30°R ႘	
	-6387 Feb 08 j 15:11	0° ∡ ¹		direct	-6382 Feb 19 j 10:24	24° 8 49'02	
	-6387 Mar 22 j 02:19	5°0			-6382 Mar 21 j 01:38	0°II	
	-6387 May 05 j 12:21	0° ≈			-6382 May 20 j 04:57	0° ©	
	-6387 Jun 24 j 01:52	0° ∀			-6382 Jul 03 j 17:36	0° Ω	
	-6387 Sep 06 j 13:52	0° Υ		desc. node	-6382 Jul 06 j 17:08	2° Ω 08′20	
retrograde	-6387 Sep 19 j 09:04	0° Y ′59'54			-6382 Aug 13 j 07:24	0° m y	
	-6387 Oct 01 j 15:38	30° ₹			-6382 Sep 21 j 12:26	0 ∘ Ծ	
asc. node	-6387 Oct 11 j 16:06	27°) €41′23			-6382 Oct 30 j 19:05	0° M ₊	
opposition	-6387 Oct 29 j 06:47	21° ¥ 16'43	0°39'59		-6382 Dec 10 j 02:49	0° ⊼	
greatest brilliancy	-6387 Oct 29 j 06:18	21° 米 17′12	-1.4m		-6381 Jan 21 j 02:42	0° ろ	
min. Earth dist.	-6387 Oct 29 j 00:45	21° ¥ 22'45	0.66818 AU	evening set	-6381 Jan 22 j 10:53	0° ප 56'08	
direct	-6387 Dec 08 j 14:22	11°) €31'46			-6381 Mar 06 j 00:44	0° ≈	
	-6386 Feb 11 j 14:23	0° Υ					
	-6386 Apr 08 j 04:01	0°B		conjunction	-6381 Mar 17 j 01:18	7° ≈ 20'23	
	-6386 May 25 j 14:45	0°Щ		minimum elong	-6381 Mar 17 j 02:57	7° ≈ 23'07	
	-6386 Jul 07 j 23:11	0°9		max. Earth dist.	-6381 Apr 05 j 09:32		2.61991 AU
	-6386 Aug 17 j 14:15	0°Ω			-6381 Apr 20 j 16:41	0° ∺	
evening set	-6386 Sep 19 j 10:02	25° Ω 14'36		morning rise	-6381 May 06 j 04:38	9° ¥ 58'31	
	-6386 Sep 25 j 12:22	0° m)		asc. node	-6381 Jun 03 j 10:52	27°) € 58'14	
desc. node	-6386 Oct 01 j 18:33	4° m 53'52			-6381 Jun 06 j 15:52	0° Υ	
	-6386 Nov 02 j 16:49	0∘ ⊽			-6381 Jul 24 j 13:07	0° 8	
					-6381 Sep 11 j 14:25	0°II	
conjunction	-6386 Nov 22 j 04:33	15° Ω 17'35			-6381 Nov 02 j 21:34	0°99	
minimum elong	-6386 Nov 22 j 01:32		0°36'31	_	-6380 Jan 18 j 12:42	0° Ω	
	-6386 Dec 11 j 02:10	0°M,		retrograde	-6380 Jan 30 j 04:21	0° Ω 49'03	
max. Earth dist.	-6385 Jan 01 j 22:42		2.39667 AU	*.*	-6380 Feb 10 j 14:13	30°Rூ	10.5012.1
	-6385 Jan 19 j 12:57	0° ∡ ¹		opposition	-6380 Mar 02 j 23:57	24°5541'15	4°50'34
morning rise	-6385 Jan 27 j 15:35	6° ∡ 701'16		greatest brilliancy	-6380 Mar 04 j 11:50	24°5512'43	-2.4m
	-6385 Mar 01 j 18:20	0°ප		min. Earth dist.	-6380 Mar 10 j 23:30	22° © 10'21	0.44338 AU
	-6385 Apr 14 j 07:46	0° ≈		direct	-6380 Apr 07 j 16:04	17°5519'02	
	-6385 May 30 j 18:16	0°) €		desc. node	-6380 May 23 j 19:10	29°5540'45	
	-6385 Jul 20 j 13:31	0° Υ			-6380 May 24 j 11:21	0° Q	
asc. node	-6385 Aug 29 j 18:06	20° Υ 11'52			-6380 Jul 14 j 05:44	0° m)	
. 1	-6385 Sep 24 j 21:10	0°8			-6380 Aug 26 j 05:52	0∘ 亚	
retrograde	-6385 Oct 25 j 02:11	4° 8 55'06			-6380 Oct 06 j 20:08	0° M 0°. ⊼	
.	-6385 Nov 21 j 19:56	30°₹ Υ	2021100		-6380 Nov 17 j 21:04	0° ∡	
opposition	-6385 Dec 02 j 22:28	25° Y 51′29	3°21'09		-6380 Dec 31 j 04:33	5°0	
greatest brilliancy	-6385 Dec 03 j 06:28	25°\(\gamma\)43'38	-1.4m		-6379 Feb 14 j 01:17	0°≈	
min. Earth dist.	-6385 Dec 06 j 10:36	24° Y 28'46	0.64894 AU	evening set	-6379 Mar 08 j 10:27	14°≈37'37	
direct	-6384 Jan 13 j 02:00	15° Y 50'40		1	-6379 Apr 01 j 05:34	0° \	
	-6384 Mar 07 j 06:13	0°B		asc. node	-6379 Apr 20 j 05:43	12° ∺ 11'16	
	-6384 May 01 j 10:54	0°II			(270 4 26:00 12	1.60 1.0710.5	0002121
	-6384 Jun 15 j 19:59	0.ಂ 0		conjunction	-6379 Apr 26 j 09:12	16° ¥ 07'05	0°03'31
J 1	-6384 Jul 27 j 03:56	0°Ω		minimum elong	-6379 Apr 26 j 09:03	16° ¥ 06'50	0°03'23
desc. node	-6384 Aug 18 j 16:56	17° Ω 07'08		behind sun begin	-6379 Apr 25 j 13:39	15° ¥ 35'51	
	-6384 Sep 04 j 08:51	0° m)		behind sun end	-6379 Apr 27 j 04:27	16°) 37'49	2 66575 411
	-6384 Oct 12 j 17:23	0∘ w		max. Earth dist.	-6379 Apr 29 j 09:17	18° ¥ 02'13 0° Ƴ	2.66575 AU
	-6384 Nov 20 j 07:04	0°M√			-6379 May 18 j 03:01		
evening set	-6384 Nov 25 j 00:45	3°M38'16		morning rise	-6379 Jun 11 j 21:43	15° Y 49'28	
	-6384 Dec 29 j 23:02	0° ∡ ¹			-6379 Jul 04 j 00:46	0°B	
	6202 I 25 : 12.07	100.702144	1900120		-6379 Aug 19 j 11:38	0°∏	
conjunction	-6383 Jan 25 j 12:07	19° х 23'44			-6379 Oct 04 j 11:26	0ಂ ಲ	
minimum elong	-6383 Jan 25 j 12:33	19° ∡ ′24'30	1-10/02		-6379 Nov 19 j 11:30	0° Ω	
	-6383 Feb 09 j 08:53	0°ප			-6378 Jan 05 j 19:28	0° m)	

,	ical year style is used: Th		•	//		, ,	c 3
Treesinon, aononom	-6378 Mar 01 j 08:42	0° ⊽	ii uoiroiioiiiiour coc	inting styre is the year	-6373 Jun 22 j 18:05	0° Ⅱ	
desc. node	-6378 Apr 10 j 22:54	11° ≏ 47'33		evening set	-6373 Jul 06 j 13:24	9° Ⅱ 28'45	
retrograde	-6378 Apr 17 j 00:42	12° ⊆ 01'53		max. Earth dist.	-6373 Jul 21 j 22:15		2.49051 AU
min. Earth dist.	-6378 May 15 j 16:57		0.38016 AU	max. Larm dist.	-6373 Aug 04 j 14:56	0°95	2.47031 AO
opposition	-6378 May 18 j 03:44	6° ₽ 41'02			0373 Mug 04 j 14.30	• •	
greatest brilliancy	-6378 May 17 j 19:26	6° ≏ 46'38		conjunction	-6373 Aug 27 j 12:55	16°542'13	0°59'03
direct	-6378 Jun 17 j 02:29	1° ⊆ 39'03	-2.9111	minimum elong	-6373 Aug 27 j 12:53	16°9545'53	0°59'28
direct	-6378 Sep 03 j 13:58	0° ™		minimum clong	-6373 Sep 14 j 09:00	0°Ω	0 37 20
	-6378 Oct 23 j 00:24	0° ⊼		morning rise	-6373 Oct 23 j 04:35	29° Ω 38'52	
	-6378 Dec 09 j 01:21	0° ਠ		morning risc	-6373 Oct 23 j 15:30	0° m)	
	-6377 Jan 25 j 01:49	0° ≈		desc. node	-6373 Dec 01 j 19:41	0° -2 29′20	
asc. node	-6377 Mar 08 j 01:15	0 ~ 26° ≈ 34'48		desc. node	-6373 Dec 01 j 04:39	0∘ ರ	
ase. Houe	-6377 Mar 13 j 11:11	0° ∺			-6372 Jan 08 j 20:44	0° ™	
evening set	-6377 Apr 17 j 08:48	22° ∺ 04'21			-6372 Feb 17 j 13:36	0° × 7	
evening sec	-6377 Apr 29 j 20:20	0° Υ			-6372 Mar 30 j 07:21	°ੁੱਠ	
max. Earth dist.	-6377 May 23 j 10:31		2.65759 AU		-6372 May 14 j 13:13	0° ≈	
max. Earth dist.	05 / / May 25 j 10.51	13 10122	2.03737110		-6372 Jul 06 j 14:00	0°) €	
conjunction	-6377 Jun 03 j 12:22	22° Y ′12′22	0°45'42	retrograde	-6372 Sep 05 j 22:37	17° ¥ 53'32	
minimum elong	-6377 Jun 03 j 11:03	22° Υ 10'14		min. Earth dist.	-6372 Oct 14 j 06:11		0.65875 AU
minimum crong	-6377 Jun 15 j 13:09	0°8	0 15 10	opposition	-6372 Oct 15 j 23:06	8° \(\) 01'17	
morning rise	-6377 Jul 19 j 07:40	22° 8 11'46		greatest brilliancy	-6372 Oct 15 j 22:36	8°) €01'47	
morning rise	-6377 Jul 31 j 00:07	0°II		asc. node	-6372 Oct 28 j 05:14	3° ∺ 21′03	1.1111
	-6377 Sep 13 j 00:11	0°©		ase. node	-6372 Nov 09 j 11:14	30°R≈	
	-6377 Oct 25 j 15:56	0° U		direct	-6372 Nov 24 j 14:03	28° ≈ 30'23	
	-6377 Dec 06 j 08:10	0° m)		anov	-6372 Dec 10 j 15:19	0°) €	
	-6376 Jan 16 j 16:00	0∘ ⊽			-6371 Feb 23 j 20:19	0° Υ	
desc. node	-6376 Feb 27 j 00:25	29° ≏ 21'14			-6371 Apr 16 j 19:27	0°8	
	-6376 Feb 27 j 22:55	0° M .			-6371 Jun 02 j 08:27	0°II	
	-6376 Apr 14 j 20:53	0° ∡ ¹			-6371 Jul 15 j 10:46	0°9	
retrograde	-6376 Jun 18 j 09:41	22° ∡ 17′05			-6371 Aug 25 j 01:03	$0^{\circ}\Omega$	
min. Earth dist.	-6376 Jul 17 j 02:33		0.47647 AU	evening set	-6371 Aug 26 j 06:34	0° Ω 55'54	
greatest brilliancy	-6376 Jul 23 j 15:07	14° ∡ ¹23'56		Ü	-6371 Oct 03 j 00:14	0° m)	
opposition	-6376 Jul 25 j 05:44	13° ∡ ¹49'41	-6°01'15	max. Earth dist.	-6371 Oct 12 j 10:16	7° m/21'55	2.38059 AU
direct	-6376 Aug 27 j 09:45	6° ∡ 757'18		desc. node	-6371 Oct 18 j 14:33	12° m/ 12'38	
	-6376 Nov 07 j 15:31	0°ಕ			,	•	
	-6375 Jan 01 j 02:57	0° ≈		conjunction	-6371 Oct 25 j 22:27	17° m 58'02	-0°05'30
asc. node	-6375 Jan 23 j 00:03	12° ≈ 52'47		minimum elong	-6371 Oct 25 j 21:58	17° m 57'06	0°05'21
	-6375 Feb 20 j 11:31	0°) €		behind sun begin	-6371 Oct 24 j 19:55	17° m 05'57	
	-6375 Apr 10 j 03:44	0° Y		behind sun end	-6371 Oct 27 j 00:01	18° m 48'16	
evening set	-6375 May 25 j 05:36	28° Y '42'29			-6371 Nov 10 j 05:47	0∘ 亚	
	-6375 May 27 j 05:21	$0^{\circ}S$			-6371 Dec 18 j 15:23	0° M	
max. Earth dist.	-6375 Jun 17 j 12:57		2.59667 AU	morning rise	-6371 Dec 31 j 17:50	10°M05'06	
	-6375 Jul 11 j 09:08	Π $^{\circ}0$			-6370 Jan 27 j 01:44	0° ∡ 7	
					-6370 Mar 09 j 07:07	0°ಕ	
conjunction	-6375 Jul 12 j 01:51	0° Ⅱ 28'25	1°10'21		-6370 Apr 22 j 00:15	0° ≈	
minimum elong	-6375 Jul 12 j 01:13	0° Ⅱ 27'21	1°10'41		-6370 Jun 08 j 03:23	0° ∀	
	-6375 Aug 23 j 12:45	0°©		_	-6370 Jul 31 j 19:40	0° Υ	
morning rise	-6375 Aug 29 j 13:03	4°9517'20		asc. node	-6370 Sep 15 j 07:45	18° Y ′09'28	
	-6375 Oct 03 j 21:08	0 $^{\circ}\Omega$		retrograde	-6370 Oct 10 j 21:09	21° Y '48'21	
	-6375 Nov 12 j 21:32	0° m)		opposition	-6370 Nov 19 j 06:21	12° Y ′26'32	2°21'54
	-6375 Dec 22 j 05:20	0∘ ⊽		greatest brilliancy	-6370 Nov 19 j 09:05	12° Y 23'49	-1.4m
desc. node	-6374 Jan 13 j 22:30	17° ♀ 19'23		min. Earth dist.	-6370 Nov 21 j 07:16	11° Y 37'54	0.66390 AU
	-6374 Jan 30 j 16:50	0° M ○0. 7		direct	-6370 Dec 30 j 06:02	2° Υ 28'04	
	-6374 Mar 12 j 12:00	0° ∡ ¹			-6369 Mar 22 j 07:43	0° Β	
	-6374 Apr 25 j 14:53	0° ≈			-6369 May 11 j 20:30	0ಂ ಲ 0∘∏	
retrograde	-6374 Jun 19 j 04:55 -6374 Aug 01 j 13:26	0 ≈ 10°≈32'29			-6369 Jun 25 j 03:37 -6369 Aug 05 j 02:30	0° U	
min. Earth dist.	-6374 Sep 04 j 15:13	2°≈50'02	0.59258 AU	desc. node	-6369 Sep 05 j 10:11	23° Ω 59'36	
greatest brilliancy	-6374 Sep 04 j 13.13	2 ≈50 02 0°≈56'50	-1.7m	desc. Houc	-6369 Sep 13 j 03:29	23 8 (39 30	
opposition	-6374 Sep 10 j 00:37	0°≈42'12			-6369 Oct 21 j 09:24	0∘ ত المارة	
оррошноп	-6374 Sep 10 j 00.37	0 ≈42 12 30°Rる	5 5251	evening set	-6369 Oct 30 j 14:54	0 = 7° £ 14'36	
direct	-6374 Oct 17 j 01:36	22°る08'26			-6369 Nov 28 j 20:18	0°M	
~~~	-6374 Nov 25 j 02:27	0°≈			22.2. 2.0. 20 j 20.10	~ IIV	
asc. node	-6374 Dec 11 j 01:47	6°≈17'11		conjunction	-6368 Jan 02 j 16:07	26°M29'20	-1°06'21
	-6373 Jan 27 j 21:31	0° <b>∀</b>		minimum elong	-6368 Jan 02 j 14:20		1°06'40
	-6373 Mar 21 j 01:09	$0^{\circ}$ Y		-	-6368 Jan 07 j 09:04	0° <b>∡</b> ¹	
	-6373 May 08 j 08:11	$0^{\circ}$ 8		max. Earth dist.	-6368 Feb 17 j 00:50	29° <b>х</b> 33′32	2.47329 AU

•	ical year style is used: Th		•			, ,	C <del>4</del>
Attention, astronom	-6368 Feb 17 j 15:45	16 year -0398 1 0°궁	in astronomicai co	greatest brilliancy	-6363 Apr 16 j 11:01	6° <b>m</b> 36'00	-2 9m
morning rise	-6368 Mar 04 j 00:55	0 る 10°る48'11		min. Earth dist.	-6363 Apr 19 j 08:23	5° Mg 48'45	0.38513 AU
morning rise	-6368 Apr 01 j 02:24	0°≈		desc. node	-6363 Apr 27 j 14:04	3° Mp 42'37	0.38313 AU
		0 ≈ 0° <b>)</b>			-6363 May 17 j 17:53		
	-6368 May 16 j 21:47	0 K 0°Υ		direct	, ,	1°Mp11'36 0°Ω	
	-6368 Jul 04 j 10:51				-6363 Aug 02 j 19:23		
asc. node	-6368 Aug 02 j 07:49	16° <b>℃</b> 45'04			-6363 Sep 19 j 00:45	0°M 0°. <b>⊼</b>	
. 1	-6368 Aug 26 j 20:28	0°8			-6363 Nov 02 j 20:39	0° <b>∡</b> 7	
retrograde	-6368 Nov 17 j 09:26	27° <b>8</b> 09'43	4942124		-6363 Dec 17 j 20:40	0° <b>ರ</b> 0°≈	
opposition	-6368 Dec 25 j 00:37	18° <b>8</b> 42'41	4°42'34		-6362 Feb 01 j 18:45		
greatest brilliancy	-6368 Dec 25 j 21:00	18° <b>8</b> 23'10	-1.6m	1	-6362 Mar 20 j 13:45	0° <b>)</b> €	
min. Earth dist.	-6368 Dec 30 j 18:46	16° <b>8</b> 30'30	0.60664 AU	asc. node	-6362 Mar 24 j 17:48	2° <b>)</b> (39'20	
direct	-6367 Feb 03 j 20:17	8° <b>8</b> 51'31 0° <b>Ⅱ</b>		evening set	-6362 Apr 02 j 05:21	8° <b>)</b> €03'13 0° <b>Υ</b>	
	-6367 Apr 11 j 20:32			E4h di-4	-6362 May 06 j 16:45	4° <b>Υ</b> 39'22	2 ((742 AII
	-6367 May 31 j 14:07	$0$ ಂ ${f v}$		max. Earth dist.	-6362 May 13 j 23:49	4 1 39 22	2.66742 AU
daga mada	-6367 Jul 13 j 06:09			aaniumatian	6262 May 10 : 19:22	8° <b>Y</b> ′20'47	0020120
desc. node	-6367 Jul 23 j 09:29	7° <b>Ω</b> 30'05		conjunction	-6362 May 19 j 18:23	8° <b>Υ</b> 19'07	0°30'38
	-6367 Aug 22 j 01:44	0° <b>m</b> )		minimum elong	-6362 May 19 j 17:21		0°30'39
	-6367 Sep 29 j 19:41	0∘ <b>m</b>			-6362 Jun 22 j 10:09	0°8	
	-6367 Nov 07 j 17:18	0°M 0°. <b>7</b>		morning rise	-6362 Jul 04 j 11:54	7° <b>8</b> 50'38	
. ,	-6367 Dec 17 j 16:55	0° <b>₹</b> ¹			-6362 Aug 07 j 04:22	0° <b>Ⅱ</b>	
evening set	-6366 Jan 01 j 12:05	10° <b>∡</b> 748′25			-6362 Sep 20 j 18:39	0°©	
	-6366 Jan 28 j 09:39	0°₹			-6362 Nov 03 j 08:11	0° <b>N</b>	
	(2(( F.1. 2( ; 21.02	200=20110	0056151		-6362 Dec 16 j 07:00	0° my	
conjunction	-6366 Feb 26 j 21:03	20°る23'18		1 1	-6361 Jan 28 j 12:05	0° <b>™</b> 04127	
minimum elong	-6366 Feb 26 j 22:54	20° <b>る</b> 26'26	0°5/15	desc. node	-6361 Mar 15 j 17:35	0°M₀04'27	
F 41 11 4	-6366 Mar 13 j 02:16	0° <b>≈</b>	2 50765 ATT		-6361 Mar 15 j 14:38	0°M	
max. Earth dist.	-6366 Mar 25 j 07:00	8°≈08'34	2.58765 AU	retrograde	-6361 May 28 j 21:35	28°M02'32	0.42707.411
morning rise	-6366 Apr 20 j 08:49	25°≈15'43		min. Earth dist.	-6361 Jun 24 j 23:59	23°M14'09	0.42797 AU
	-6366 Apr 27 j 16:18	0° <b>∀</b> 0° <b>Υ</b>		greatest brilliancy	-6361 Jul 01 j 01:38	21°M17'20	-2.6m
	-6366 Jun 13 j 20:14	3° <b>Υ</b> 57'57		opposition	-6361 Jul 02 j 15:57	20°M46'23	-6*00'34
asc. node	-6366 Jun 20 j 04:22	0° <b>と</b>		direct	-6361 Aug 03 j 02:34	14° <b>ጤ</b> 46'20 0° <i>ጃ</i>	
	-6366 Aug 01 j 11:37 -6366 Sep 21 j 16:23	0°II			-6361 Sep 27 j 06:36 -6361 Nov 22 j 05:33	0°る	
		0°©			•	0°≈	
retrograde	-6366 Nov 21 j 15:41 -6365 Jan 05 j 15:02	9° <b>©</b> 59'45		asc. node	-6360 Jan 11 j 08:47 -6360 Feb 09 j 14:57	0 ≈ 17°≈54'55	
opposition	-6365 Feb 09 j 00:47	3°903'55	5°36'50	asc. Houe	-6360 Feb 29 j 04:52	0° <b>)</b>	
greatest brilliancy	-6365 Feb 10 j 16:51	2° <b>©</b> 29'16	-2.1m		-6360 Apr 17 j 05:53	0°Υ	
min. Earth dist.	-6365 Feb 17 j 09:13		0.49412 AU	evening set	-6360 May 09 j 23:56	14° <b>Υ</b> 26'59	
iiiii. Lattii tiist.	-6365 Feb 17 j 23:09	30°RⅡ	0.49412 AU	evening set	-6360 Jun 03 j 02:38	0° <b>8</b>	
direct	-6365 Mar 19 j 00:42	24° <b>∏</b> 34'05		max. Earth dist.	-6360 Jun 07 j 00:39	2° <b>8</b> 33'09	2.62673 AU
direct	-6365 Apr 17 j 16:19	0°95		max. Larur dist.	-0300 Juli 07 J 00.37	2 033 07	2.02073 AC
desc. node	-6365 Jun 10 j 11:37	27° <b>©</b> 28'41		conjunction	-6360 Jun 26 j 05:12	15° <b>8</b> 10'40	1°03'51
dese. Hode	-6365 Jun 14 j 10:49	0°Ω		minimum elong	-6360 Jun 26 j 04:02	15° <b>8</b> 08'43	1°04'06
	-6365 Jul 28 j 01:26	0° mp		minimum ciong	-6360 Jul 18 j 08:14	0°П	1 0400
	-6365 Sep 06 j 18:30	0∘ <b>ত</b>		morning rise	-6360 Aug 12 j 02:33	16° <b>Ⅱ</b> 57'17	
	-6365 Oct 17 j 01:37	0°M			-6360 Aug 30 j 18:31	0°95	
	-6365 Nov 27 j 04:46	0° <b>∡</b> 7			-6360 Oct 11 j 12:59	$0 {\circ} \Omega$	
	-6364 Jan 08 j 20:15	0°ਰ			-6360 Nov 21 j 01:25	0° my	
evening set	-6364 Feb 20 j 15:04	28° <b>ප</b> 55'54			-6360 Dec 30 j 22:22	0∘ <b>⊽</b>	
<b>3</b>	-6364 Feb 22 j 05:42	0° <b>≈</b>		desc. node	-6359 Jan 30 j 18:22	23° <b>≏</b> 07'11	
	-6364 Apr 08 j 03:29	0° <b>)</b> €			-6359 Feb 09 j 01:10	0° <b>M</b>	
	r				-6359 Mar 22 j 21:34	0° <b>∡</b> ¹	
conjunction	-6364 Apr 10 j 23:50	1° <b>)</b> 50′10	-0°14'40		-6359 May 09 j 00:14	ರ°0	
minimum elong	-6364 Apr 11 j 00:26	1° <b>)</b> 51′09		retrograde	-6359 Jul 16 j 19:44	23° <b>る</b> 50'38	
behind sun begin	-6364 Apr 10 j 17:48	1° <b>)</b> 40′27		min. Earth dist.	-6359 Aug 17 j 20:23	16° <b>ප්</b> 54'03	0.55139 AU
behind sun end	-6364 Apr 11 j 07:04	2° <b>₩</b> 01'50		opposition	-6359 Aug 24 j 14:09	14° <b>る</b> 18'27	-4°41'30
max. Earth dist.	-6364 Apr 20 j 02:41	7° <b>)</b> 42′05	2.65435 AU	greatest brilliancy	-6359 Aug 23 j 13:39	14° <b>る</b> 42'05	-1.9m
asc. node	-6364 May 06 j 22:41	18° <b>¥</b> 29′05		direct	-6359 Sep 29 j 06:43	6° <b>ප</b> 17'57	
	-6364 May 24 j 23:59	0° <b>Υ</b>			-6359 Dec 13 j 05:52	0° <b>≈</b>	
morning rise	-6364 May 28 j 13:13	2° <b>Y</b> 15'43		asc. node	-6359 Dec 27 j 15:07	7° <b>≈</b> 21'23	
-	-6364 Jul 11 j 03:58	0°8			-6358 Feb 06 j 11:49	0° <b>∀</b>	
	-6364 Aug 27 j 08:04	0°Щ			-6358 Mar 28 j 20:15	$0^{\circ}$ Y	
	-6364 Oct 13 j 19:51	0ಂತಾ			-6358 May 15 j 12:45	0°8	
	-6364 Dec 02 j 00:05	$0$ $^{\circ}\Omega$		evening set	-6358 Jun 19 j 09:22	22° <b>8</b> 57'38	
	-6363 Jan 28 j 01:11	0° m/y		-	-6358 Jun 29 j 19:04	$\Pi$ °0	
retrograde	-6363 Mar 16 j 15:57	11° <b>m</b> 45'32		max. Earth dist.	-6358 Jul 06 j 20:09	4° <b>Ⅱ</b> 48'55	2.53652 AU
opposition	-6363 Apr 16 j 07:09	6° Mp 38′38	0°52'13		-		

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 5 Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style.

Attention, astronom	ical year style is used: Th	e year -6398 i	in astronomical cou	inting style is the year	6399 BCE in historical co		
conjunction	-6358 Aug 08 j 05:13	27° <b>Ⅲ</b> 28'53			-6353 Jul 14 j 06:10	0° <b>Υ</b>	
minimum elong	-6358 Aug 08 j 06:08	27° <b>Ⅲ</b> 30′29	1°09'37	asc. node	-6353 Aug 19 j 23:46	19° <b>Ƴ</b> 49'26	
	-6358 Aug 11 j 17:47	0°©			-6353 Sep 10 j 22:51	0°8	
	-6358 Sep 21 j 16:34	0°N		retrograde	-6353 Nov 02 j 15:35	13° <b>8</b> 05'42	
morning rise	-6358 Sep 29 j 19:42	6° <b>Ω</b> 06'02		opposition	-6353 Dec 11 j 02:33	4° <b>8</b> 13'59	
	-6358 Oct 31 j 04:57	0° <b>m</b> )		greatest brilliancy	-6353 Dec 11 j 14:33	4°802'17	
desc. node	-6358 Dec 09 j 00:01	0° <b>ჲ</b> 7° <b>ჲ</b> 26'50		min. Earth dist.	-6353 Dec 15 j 10:16	2° <b>8</b> 32'46 30° <b>R</b> Υ	0.63633 AU
desc. node	-6358 Dec 18 j 14:40 -6357 Jan 16 j 21:34	0°M		direct	-6353 Dec 22 j 04:51 -6352 Jan 21 j 04:55	30 K I 24° <b>Υ</b> 14'25	
	-6357 Feb 25 j 20:43	0° <b>∡</b> 7		direct	-6352 Feb 22 j 13:44	0° <b>8</b>	
	-6357 Apr 09 j 02:41	0°ਤੇ			-6352 Apr 24 j 17:14	0°II	
	-6357 May 25 j 21:26	0° <b>≈</b>			-6352 Jun 10 j 05:04	0.ತ	
	-6357 Jul 28 j 09:55	0° <b>)</b> €			-6352 Jul 21 j 22:34	0°N	
retrograde	-6357 Aug 24 j 06:31	4° <b>)</b> 15′00		desc. node	-6352 Aug 09 j 02:47	13° <b>Ω</b> 41'31	
S	-6357 Sep 18 j 04:14	30° <b>R</b> ≈			-6352 Aug 30 j 08:03	0° m	
min. Earth dist.	-6357 Sep 30 j 01:18	25° <b>≈</b> 34'37	0.63969 AU		-6352 Oct 07 j 19:31	0∘ <b>⊽</b>	
opposition	-6357 Oct 03 j 05:14	24° <b>≈</b> 18′16	-1°39'00		-6352 Nov 15 j 11:20	$0^{\circ}$ M	
greatest brilliancy	-6357 Oct 03 j 01:18	24° <b>≈</b> 22'14	-1.5m	evening set	-6352 Dec 09 j 05:07	18°ML03'17	
direct	-6357 Nov 10 j 22:52	15° <b>≈</b> 05'49			-6352 Dec 25 j 05:07	0° <b>∡</b> ¹	
asc. node	-6357 Nov 14 j 18:41	15° <b>≈</b> 11'18			-6351 Feb 04 j 16:21	5°0	
	-6356 Jan 07 j 04:55	0° <b>∀</b>					
	-6356 Mar 05 j 19:41	0° <b>Υ</b>		conjunction	-6351 Feb 06 j 20:21	1° <b>る</b> 31'44	
	-6356 Apr 24 j 20:11	0 <b>°</b> ႘		minimum elong	-6351 Feb 06 j 21:37	1° <b>る</b> 33'58	
	-6356 Jun 09 j 19:29	0°П		max. Earth dist.	-6351 Mar 12 j 21:17		2.54758 AU
	-6356 Jul 22 j 18:27	0.20 0.20			-6351 Mar 20 j 04:50	0°≈	
evening set	-6356 Aug 04 j 14:10	9°5518'38	2 41560 ATT	morning rise	-6351 Apr 03 j 08:21	9° <b>≈</b> 27'07	
max. Earth dist.	-6356 Aug 25 j 11:14		2.41560 AU		-6351 May 04 j 18:41	0° <b>ℋ</b> 0° <b>Ƴ</b>	
	-6356 Sep 01 j 09:20	$0^{\circ}\Omega$		asc. node	-6351 Jun 21 j 06:46 -6351 Jul 06 j 21:15	0° <b>γ</b> 9° <b>Υ</b> 35'01	
conjunction	-6356 Sep 30 j 11:17	22° <b>Ω</b> 15'42	0°25'17	asc. node	-6351 Aug 10 j 01:58	0° <b>8</b>	
minimum elong	-6356 Sep 30 j 13:09	$22^{\circ}\Omega_{19'19}$			-6351 Oct 04 j 05:24	0°II	
minimum clong	-6356 Oct 10 j 10:30	0° m)	0 23 31	retrograde	-6351 Dec 15 j 12:05	22° <b>I</b> I00'12	
desc. node	-6356 Nov 04 j 09:30	19° <b>m</b> y 31'09		opposition	-6350 Jan 20 j 08:36	14° <b>Ⅲ</b> 23'09	5°34'48
	-6356 Nov 17 j 18:08	0∘ <u>⊽</u>		greatest brilliancy	-6350 Jan 21 j 19:14	13° <b>Ⅲ</b> 51'33	
morning rise	-6356 Dec 03 j 08:40	12° <b>≏</b> 13'34		min. Earth dist.	-6350 Jan 28 j 00:51		0.54322 AU
Č	-6356 Dec 26 j 05:13	$0^{\circ}$ M		direct	-6350 Feb 28 j 21:45	5° <b>Ⅱ</b> 07'52	
	-6355 Feb 03 j 16:38	0° <b>∡</b> ¹			-6350 May 11 j 11:48	0ಂ <b>ತಾ</b>	
	-6355 Mar 17 j 00:20	ರ∘ರ		desc. node	-6350 Jun 27 j 03:39	29° <b>©</b> 59'43	
	-6355 Apr 30 j 01:27	0° <b>≈</b>			-6350 Jun 27 j 03:49	$0^{\circ}\Omega$	
	-6355 Jun 17 j 09:40	0° <b>∀</b>			-6350 Aug 07 j 10:57	0° <b>m</b>	
	-6355 Aug 16 j 17:12	$0^{\circ}$ Y			-6350 Sep 16 j 01:25	0∘ <b>⊽</b>	
retrograde	-6355 Sep 27 j 04:27	8° <b>Y</b> ′52′28			-6350 Oct 25 j 14:34	$0^{\circ}$ M	
asc. node	-6355 Oct 01 j 22:50	8° <b>℃</b> 43'41			-6350 Dec 05 j 03:28	0° <b>∡</b>	
	-6355 Nov 04 j 02:26	30° <b>₹</b> ₩	1010105		-6349 Jan 16 j 07:36	0°る	
opposition	-6355 Nov 05 j 22:23	29° <b>)</b> 16′02	1°18'27	evening set	-6349 Feb 02 j 12:44	11° <b>る</b> 52'41	
greatest brilliancy	-6355 Nov 05 j 22:17	29° <b>¥</b> 16′08	-1.4m		-6349 Mar 01 j 08:30	0° <b>≈</b>	
min. Earth dist. direct	-6355 Nov 06 j 11:53 -6355 Dec 16 j 12:36	29° <b>)</b> (02'30) 19° <b>)</b> (25'08)	0.66926 AU	conjunction	-6349 Mar 26 j 19:24	16° <b>≈</b> 49'19	0022120
direct	-6354 Feb 01 j 03:29	0° <b>Υ</b>		minimum elong	-6349 Mar 26 j 20:43	16°≈51'29	
	-6354 Apr 02 j 01:05	0°8		max. Earth dist.	-6349 Apr 11 j 07:55		2.63459 AU
	-6354 May 20 j 09:16	0°П		max. Earth dist.	-6349 Apr 16 j 01:37	0° <b>)</b> €	2.03 137 110
	-6354 Jul 03 j 01:25	0°®		morning rise	-6349 May 14 j 20:50	18° <b>)</b> 29'40	
	-6354 Aug 12 j 19:26	$0^{\circ}\Omega$		asc. node	-6349 May 24 j 16:27	24° <b>)</b> 44′58	
	-6354 Sep 20 j 18:37	0° <b>m</b> )			-6349 Jun 01 j 22:52	$0^{\circ}\mathbf{\Upsilon}$	
desc. node	-6354 Sep 22 j 05:17	1° <b>m</b> 07'41			-6349 Jul 19 j 12:24	$9^{\circ}$ 8	
evening set	-6354 Oct 03 j 22:06	$10^\circ$ Mp $17^\prime$ 41			-6349 Sep 05 j 17:53	$\Pi^{\circ}0$	
	-6354 Oct 28 j 23:21	0∘ <b>⊽</b>			-6349 Oct 25 j 17:26	$0$ $\circ$ $\odot$	
	-6354 Dec 06 j 08:33	$0^{\circ}$ M			-6349 Dec 21 j 16:36	$0^{\circ}\Omega$	
				retrograde	-6348 Feb 14 j 20:20	14° <b>Ω</b> 35'13	
conjunction	-6354 Dec 07 j 12:34	0°M54'10		opposition	-6348 Mar 17 j 17:07	8° <b>£</b> 54'21	3°50'31
minimum elong	-6354 Dec 07 j 09:15	0° <b>™</b> 47'45	0°50'49	greatest brilliancy	-6348 Mar 18 j 20:13	8° <b>Ω</b> 34'08	-2.6m
po - 41 - 21	-6353 Jan 14 j 19:02	0° <b>⊼</b> ¹	0.40000 455	min. Earth dist.	-6348 Mar 24 j 17:36	6° <b>Ω</b> 49'20	0.41799 AU
max. Earth dist.	-6353 Jan 24 j 06:03	7°×701'07	2.42200 AU	direct	-6348 Apr 20 j 20:50	2° <b>Ω</b> 15'55	
morning rise	-6353 Feb 10 j 14:09	19° <b>∡</b> 741'09		desc. node	-6348 May 14 j 07:39	5° <b>Ω</b> 49'24	
	-6353 Feb 24 j 23:41	ರ°0 %≈			-6348 Jul 04 j 01:25 -6348 Aug 18 j 19:10	0ಂ <b>ರ್</b> 0ಂ⊯ಗ	
	-6353 Apr 09 j 10:29 -6353 May 25 j 13:09	0° <b>∺</b>			-6348 Sep 30 j 13:48	0° <b>M</b>	
	0555 iviay 25 j 15.09	υ <b>Λ</b>			05-10 50p 50 j 15.40	O IIO	

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 6 Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style.

Attention, astronomi	cal year style is used: Th	e year -6398 i	n astronomical cou	nting style is the year	6399 BCE in historical co	ounting style.	-
	-6348 Nov 12 j 07:10	0° <b>∡</b> ¹			-6343 Aug 18 j 20:52	0ಂ <b>ತಾ</b>	
	-6348 Dec 26 j 01:31	5°0		morning rise	-6343 Sep 09 j 05:37	15° <b>©</b> 23'56	
	-6347 Feb 09 j 05:12	0° <b>≈</b>			-6343 Sep 29 j 02:06	$0$ $^{\circ}$ $\Omega$	
evening set	-6347 Mar 17 j 16:25	23° <b>≈</b> 38'54			-6343 Nov 07 j 21:59	0° <b>™</b>	
	-6347 Mar 27 j 13:42	0° <b>∀</b>			-6343 Dec 17 j 00:39	0∘ <b>ত</b>	
asc. node	-6347 Apr 10 j 10:09	8° <b>¥</b> 52′08		desc. node	-6342 Jan 04 j 09:44	14° <b>≏</b> 06'55	
					-6342 Jan 25 j 05:50	0°M₊	
conjunction	-6347 May 05 j 00:18	24° <b>)</b> 34′10			-6342 Mar 06 j 15:01	0° <b>∡</b>	
minimum elong	-6347 May 04 j 23:47	24° <b>)</b> 33′21	0°13'44		-6342 Apr 18 j 18:54	0°ප	
behind sun begin	-6347 May 04 j 14:01	24° <b>ℋ</b> 17'46			-6342 Jun 07 j 20:33	0° <b>≈</b>	
behind sun end	-6347 May 05 j 09:34	24° <b>)</b> (48′56		retrograde	-6342 Aug 10 j 02:15	19° <b>≈</b> 47'37	
max. Earth dist.	-6347 May 04 j 19:10		2.66874 AU	min. Earth dist.	-6342 Sep 14 j 04:30	11° <b>≈</b> 42'39	
	-6347 May 13 j 12:35	0° <b>Υ</b>		opposition	-6342 Sep 18 j 18:57	9° <b>≈</b> 52′29	
morning rise	-6347 Jun 20 j 02:51	24° <b>Y</b> 03'46		greatest brilliancy	-6342 Sep 18 j 08:48	10° <b>≈</b> 02'37	-1.6m
	-6347 Jun 29 j 08:14	0°8		direct .	-6342 Oct 26 j 11:13	1°≈03'17	
	-6347 Aug 14 j 12:24	0°Ⅱ		asc. node	-6342 Dec 01 j 08:33	7°≈46'15	
	-6347 Sep 28 j 22:08	0°©			-6341 Jan 20 j 19:08	0° <b>)</b> €	
	-6347 Nov 12 j 20:16	$\Omega^{\circ}\Omega$			-6341 Mar 15 j 14:35	0°Ƴ	
	-6347 Dec 28 j 00:33	0° <b>m</b>			-6341 May 03 j 10:27	8°0	
11-	-6346 Feb 13 j 15:40	0° <b>⊽</b>			-6341 Jun 18 j 01:06	0°Ⅱ 20°Ⅲ02122	
desc. node	-6346 Apr 01 j 10:36	23° <b>£</b> 19'06		evening set	-6341 Jul 17 j 00:07 -6341 Jul 30 j 23:00	20° <b>I</b> 103′22 0° <b>©</b>	
retrograde	-6346 May 03 j 09:51	29° <b>£</b> 36'11	0.39082 AU	max. Earth dist.	,		2.46355 AU
min. Earth dist. opposition	-6346 May 30 j 14:40 -6346 Jun 04 j 13:58	23° <b>£</b> 41'54		max. Earth dist.	-6341 Aug 01 j 17:09	1 291331	2.40333 AU
greatest brilliancy	-6346 Jun 03 j 16:42	23° <b>£</b> 41'34 23° <b>£</b> 57'05		conjunction	-6341 Sep 08 j 12:21	29° <b>©</b> 07'17	0°49'17
direct	-6346 Jul 04 j 19:32	23 <b>⊆</b> 37 03 18° <b>⊆</b> 27'58	-2.0111	minimum elong	-6341 Sep 08 j 14:41	29°9511'41	0°49'17 0°49'39
direct	-6346 Aug 19 j 21:01	0°M		minimum clong	-6341 Sep 08 j 16:22	0°Ω	0 49 39
	-6346 Oct 15 j 01:25	0° <b>⊼</b>			-6341 Oct 18 j 21:07	0° <b>m</b> )	
	-6346 Dec 02 j 23:09	°ਤ ਹ°ਤ		morning rise	-6341 Nov 06 j 18:00	14° Mp 41'09	
	-6345 Jan 19 j 19:25	0° <b>≈</b>		desc. node	-6341 Nov 22 j 04:51	26° Mp 45'42	
asc. node	-6345 Feb 26 j 06:20	23°≈29'59		desc. node	-6341 Nov 26 j 08:16	ე∘ <b>亞</b>	
asc. node	-6345 Mar 08 j 14:52	0° <b>∀</b>			-6340 Jan 03 j 22:10	0°M	
evening set	-6345 Apr 25 j 23:53	0° <b>Υ</b> 30'02			-6340 Feb 12 j 12:01	0° <b>∡</b> 7	
e venning see	-6345 Apr 25 j 04:57	0° <b>Υ</b>			-6340 Mar 25 j 00:18	0°ප	
max. Earth dist.	-6345 May 29 j 01:31		2.64889 AU		-6340 May 08 j 15:19	0° <b>≈</b>	
man. Darm dige.	-6345 Jun 10 j 23:01	0°8	2.0.009110		-6340 Jun 28 j 04:44	0° <b>)</b> €	
		• •		retrograde	-6340 Sep 13 j 17:11	25° <b>)</b> €53'48	
conjunction	-6345 Jun 12 j 01:25	0° <b>8</b> 42'55	0°53'18	asc. node	-6340 Oct 18 j 12:22	18° <b>¥</b> 09'35	
minimum elong	-6345 Jun 12 j 00:02	0° <b>8</b> 40'41		opposition	-6340 Oct 23 j 16:02	16° <b>¥</b> 06′04	0°11'47
Č	-6345 Jul 26 j 08:11	0° <b>I</b> I		min. Earth dist.	-6340 Oct 22 j 18:27	16° <b>)</b> €27'47	0.66511 AU
morning rise	-6345 Jul 28 j 01:57	1° <b>Ⅱ</b> 10′18		greatest brilliancy	-6340 Oct 23 j 15:50	16° <b>)</b> €06'15	-1.4m
C	-6345 Sep 08 j 03:01	0°©		direct	-6340 Dec 02 j 16:04	6° <b>)</b> €26'51	
	-6345 Oct 20 j 10:25	$0^{\circ}\Omega$			-6339 Feb 16 j 09:00	$0^{\circ}\Upsilon$	
	-6345 Nov 30 j 14:57	0° <b>m</b>			-6339 Apr 11 j 06:18	0°8	
	-6344 Jan 10 j 07:17	0∘ <b>⊽</b>			-6339 May 28 j 08:41	$\Pi$ $^{\circ}0$	
desc. node	-6344 Feb 17 j 11:11	27° <b>£</b> 48'52			-6339 Jul 10 j 15:39	0°€	
	-6344 Feb 20 j 12:34	$0^{\circ}$ M			-6339 Aug 20 j 07:19	$0^{\circ}\Omega$	
	-6344 Apr 04 j 14:50	0° <b>∡</b> ¹		evening set	-6339 Sep 08 j 15:59	14° <b>Ω</b> 47'27	
	-6344 Jun 02 j 01:51	5°0			-6339 Sep 28 j 06:19	0° <b>m</b>	
retrograde	-6344 Jun 29 j 08:46	4° <b>る</b> 49'18		desc. node	-6339 Oct 08 j 23:13	8°₩22'32	
	-6344 Jul 25 j 14:34	30°₹ <b>⋌</b> ¹			-6339 Nov 05 j 11:19	0° <b>⊽</b>	
min. Earth dist.	-6344 Jul 29 j 05:20	28° <b>∡¹</b> 44'25	0.50419 AU				
greatest brilliancy	-6344 Aug 04 j 14:20	26° <b>х</b> 24′14	-2.1m	conjunction	-6339 Nov 10 j 06:11	3° <b>≏</b> 45'46	-0°23'39
opposition	-6344 Aug 06 j 00:41	25° <b>х</b> 52′36	-5°39'31	minimum elong	-6339 Nov 10 j 04:04	3° <b>≏</b> 41'35	0°23'36
direct	-6344 Sep 09 j 04:14	18° <b>∡</b> ³33′23		max. Earth dist.	-6339 Dec 04 j 14:51	22° <b>≏</b> 50'04	2.38163 AU
	-6344 Oct 26 j 16:08	0° <b>ට</b>			-6339 Dec 13 j 20:20	$0^{\circ}$ M	
	-6344 Dec 25 j 11:04	0° <b>≈</b>		morning rise	-6338 Jan 16 j 06:47	25°M31'48	
asc. node	-6343 Jan 13 j 06:06	10° <b>≈</b> 40′42			-6338 Jan 22 j 05:57	0° <b>∡</b> ¹	
	-6343 Feb 15 j 02:36	0° <b>)</b> €			-6338 Mar 04 j 10:05	0°ප	
	-6343 Apr 05 j 07:02	0° <b>Υ</b>			-6338 Apr 16 j 23:13	0° <b>≈</b>	
	-6343 May 22 j 13:34	0°8			-6338 Jun 02 j 14:08	0° <b>∀</b>	
evening set	-6343 Jun 03 j 04:56	7° <b>8</b> 35'22			-6338 Jul 24 j 06:23	0° <b>Υ</b>	
max. Earth dist.	-6343 Jun 24 j 06:05	21° <b>8</b> 32'47	2.57720 AU	asc. node	-6338 Sep 05 j 14:46	20° <b>Y</b> 18′04	
	-6343 Jul 06 j 18:37	$\Pi$ $^{\circ}0$		retrograde	-6338 Oct 18 j 23:30	29° <b>Y</b> 43′08	
				opposition	-6338 Nov 27 j 01:42	20° <b>Y</b> 30′57	2°56'43
conjunction	-6343 Jul 21 j 14:01	10° <b>Ⅲ</b> 08'53	1°11'46	greatest brilliancy	-6338 Nov 27 j 07:07	20° <b>Y</b> 25′36	-1.4m
minimum elong	-6343 Jul 21 j 13:52	10° <b>Ⅱ</b> 08'37	1°12'07	min. Earth dist.	-6338 Nov 29 j 22:01	19° <b>Ƴ</b> 23'21	0.65690 AU

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:22, Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style. 10°**Y**30′23 -6337 Jan 07 i 03:45 -6332 Apr 19 j 22:04 10°¥32'02 -0°04'08 direct conjunction -6337 Mar 14 j 02:02 0°8 -6332 Apr 19 j 22:16 10°**)** 32′20 minimum elong 0°04'19 -6337 May 06 j 00:03  $\mathbb{I}^{\circ 0}$ -6332 Apr 19 j 02:54 10°**米**01'19 behind sun begin -6337 Jun 19 j 22:27 0ಂತಾ behind sun end -6332 Apr 20 j 17:37 11° ¥ 03'20  $0^{\circ}\Omega$ max. Earth dist. -6332 Apr 25 j 16:24 -6337 Jul 31 j 03:15 14° **€** 13′29 2.66168 AU -6332 Apr 27 j 03:38 desc. node -6337 Aug 26 j 21:17 20°**Ω**23'24 asc. node 15°**)**€09'50  $0^{\circ}\Upsilon$ -6337 Sep 08 j 06:41 0° m -6332 May 20 j 09:08 10°**Y**29'52 -6337 Oct 16 j 13:53 0∘**⊽** morning rise -6332 Jun 05 j 20:13 evening set -6337 Nov 14 j 16:59 22°**£**45'25 -6332 Jul 06 j 09:22 0°8 -6337 Nov 24 j 01:37  $0^{\circ}$ M -6332 Aug 22 j 03:31  $0^{\circ}\Pi$ -6336 Jan 02 j 14:59 0°×7 -6332 Oct 07 j 17:28 0ಂತಾ -6332 Nov 23 j 20:57 0° $\Omega$ conjunction -6336 Jan 16 j 12:41 10°**х** 15'36 -1°09'34 -6331 Jan 12 j 20:58 0° M minimum elong -6336 Jan 16 j 12:14 10°**х** 14'46 1°09'56 retrograde -6331 Apr 03 j 10:44 28° m 57'37 -6336 Feb 12 j 22:10 0°궁 desc. node -6331 Apr 18 j 02:22 27° m 37'59 max. Earth dist. -6336 Feb 27 j 05:20 10°**る**03'04 2.50114 AU opposition -6331 May 04 j 03:18 23° m 50'53 -1°15'22 morning rise -6336 Mar 15 j 16:42 22°る06'05 greatest brilliancy -6331 May 04 j 02:14 23° M 51'36 -3.0m -6336 Mar 27 j 08:12 min. Earth dist. -6331 May 04 j 03:41  $23^{\circ}$  My 50'380.37836 AU -6336 May 12 j 00:07 0°**)**€ direct -6331 Jun 03 j 10:29 18° m 45'34 -6336 Jun 29 j 01:10  $0^{\circ}\Upsilon$ -6331 Jul 18 j 02:13 0∘**⊽** asc. node -6336 Jul 23 j 13:06 14° **Y**35'53 -6331 Sep 10 j 10:03 0°M -6336 Aug 19 j 16:52 0°8 -6331 Oct 27 i 07:20 0°×7 -6336 Oct 23 i 22:47  $\mathbb{I}^{\circ 0}$ -6331 Dec 12 j 06:56 0°정 -6336 Nov 27 j 01:46 6°**Ⅱ**04'30 -6330 Jan 27 i 17:50 0°≈ retrograde -6336 Dec 28 j 09:39 30°R8 -6330 Mar 14 j 22:41 29°≈26'07 asc. node -6335 Jan 03 j 03:14 27°**8**53'31 5°06'01 -6330 Mar 15 j 20:03 0°**₩** opposition -6335 Jan 04 j 04:48 27°**8**29'21 -6330 Apr 10 j 22:59 16° # 34'03 -1 7m greatest brilliancy evening set -6335 Jan 09 j 14:56 -6330 May 02 j 02:14  $0^{\circ}\Upsilon$ min. Earth dist. 25°**8**26'33 0.58642 AU -6330 May 19 j 11:05 11°**Y**05'23 2.66300 AU direct -6335 Feb 12 j 14:51 18°**8**11'20 max. Earth dist. -6335 Mar 31 j 19:15  $\mathbb{I}^{\circ 0}$ -6335 May 24 j 19:44 0ಂತಾ -6330 May 28 j 05:42 16°Υ43'05 0°39'39 conjunction -6335 Jul 07 j 11:27 -6330 May 28 j 04:28 16°**Y**41′06 0° $\Omega$ 0°39'43 minimum elong -6330 Jun 17 j 19:30 -6335 Jul 13 j 21:27 4°**Ω**40′24  $0^{\circ}$ 8 desc. node -6335 Aug 16 j 16:49 0° M -6330 Jul 12 j 22:40 16°**8**25'26 morning rise -6335 Sep 24 j 16:29 -6330 Aug 02 j 10:13 0∘**⊽**  $0^{\circ}\Pi$ 0°M -6330 Sep 15 j 16:49 -6335 Nov 02 j 18:12 0ಂತಾ -6335 Dec 12 j 20:57 0°**√** -6330 Oct 28 j 18:12 0 $\circ$  $\Omega$ -6334 Jan 13 j 16:25 22°**х** 57′11 -6330 Dec 09 j 22:42 0° m evening set -6334 Jan 23 j 16:16 0°ರ -6329 Jan 20 j 23:13 0∘**⊽** -6334 Mar 08 j 10:23 -6329 Mar 05 j 10:04 0°M -6329 Mar 06 j 05:02 0°M31'23 desc. node -6334 Mar 09 j 11:14 0°≈41'38 -0°48'46 -6329 Apr 25 j 09:48 conjunction 0°×7 -6334 Mar 09 j 13:02 0°≈44'40 0°49'07 -6329 Jun 10 j 12:38 12°**₹**38'52 minimum elong retrograde -6334 Mar 31 j 20:38 15°≈33'13 2.60643 AU -6329 Jul 08 j 08:27 7°**х** 26'56 0.45408 AU max. Earth dist. min. Earth dist. -6334 Apr 23 j 00:23 0°**)**€ -6329 Jul 14 j 19:55 5°**х** 15′09 -2.4m greatest brilliancy morning rise -6334 Apr 29 j 13:56 4° **)** 14'20 opposition -6329 Jul 16 j 12:02 4°**х** 40′56 -6°09′07 -6334 Jun 09 i 00:35  $0^{\circ}\Upsilon$ -6329 Aug 01 j 12:11 30°RM 0°Y50'23 asc. node -6334 Jun 10 j 08:35 direct -6329 Aug 17 j 21:14 28°M11'45 -6334 Jul 27 i 04:25 0°8 -6329 Sep 04 i 00:39 0°×7 -6334 Sep 15 j 00:17  $0^{\circ}II$ -6329 Nov 14 i 05:51 0°궁 -6334 Nov 08 j 19:45 0ಂತಾ -6328 Jan 05 j 11:28 0°**≈** -6333 Jan 18 j 23:38 -6328 Jan 30 j 20:50 15°≈14'22 retrograde 21°9647'13 asc. node -6328 Feb 24 j 02:42 -6333 Feb 21 j 13:19 0°\ opposition 15°5517'16 5°17'44  $0^{\circ}\Upsilon$ greatest brilliancy -6333 Feb 23 j 04:35 14°9544'44 -2.3m -6328 Apr 12 j 12:10 -6328 May 18 j 16:31 22°Y59'59 min. Earth dist. -6333 Mar 01 j 21:38 12°532'40 0.46581 AU evening set direct -6333 Mar 30 j 08:10 7°9522'20 -6328 May 29 j 12:10 0°8 desc. node -6333 May 31 j 22:49 28°9510'06 max. Earth dist. -6328 Jun 13 j 02:02 9°**8**31'53 2.61103 AU -6333 Jun 04 j 04:29  $0^{\circ}\Omega$ -6333 Jul 20 j 17:04 0° M -6328 Jul 05 j 04:42 24°814'09 1°08'10 conjunction 0∘**⊽** -6328 Jul 05 j 03:47 24°812'37 1°08'28 -6333 Aug 31 j 11:51 minimum elong 0°M -6328 Jul 13 j 17:42 -6333 Oct 11 j 09:56  $\Pi$ °0 -6333 Nov 21 j 23:07 0°**∡** morning rise -6328 Aug 21 j 20:37 27°**Ⅱ**02'42 -6332 Jan 03 j 21:56 0°궁 -6328 Aug 26 j 01:00 0ಂತಾ -6332 Feb 17 j 12:11 0°≈ -6328 Oct 06 j 14:30 0° $\Omega$ evening set -6332 Mar 01 j 09:18 8°**≈**28'33 -6328 Nov 15 j 20:21 0° m

-6328 Dec 25 j 09:40

-6327 Jan 21 j 03:20

desc. node

0∘**ত** 

20°**£**15'33

-6332 Apr 03 j 12:41

0°**)**€

Attention astronom	igal year style is used: Th	a waar 6209 i	n actronomical ac	unting style is the year	6200 DCE in historical a	ounting style	
Attention, astronom	ical year style is used: Th -6327 Feb 03 j 02:50	0°M	n astronomicai co	unting style is the year	-6323 Dec 04 j 04:44	30°R <del>X</del>	
	-6327 Mar 16 j 05:54	0° <b>⊼</b> 1		direct	-6323 Dec 24 j 09:56	27° <b>₩</b> 19'58	
	-6327 Apr 30 j 05:41	0°る		direct	-6322 Jan 15 j 04:28	27 <b>γ</b> 1938	
	-6327 Jun 30 j 15:38	0°≈			-6322 Mar 26 j 09:34	0°8	
retrograde	-6327 Jul 26 j 00:34	0 <b>~</b> 4° <b>≈</b> 01'46			-6322 May 14 j 23:19	0°II	
remograde	-6327 Aug 18 j 20:40	4 ≈01 40 30°Rる			-6322 Jun 28 j 00:56	0°©	
min. Earth dist.	-6327 Aug 28 j 04:58	26°る38'33	0.57508 AU		-6322 Aug 07 j 22:44	0°Ω	
greatest brilliancy	-6327 Sep 02 j 09:52	20 <b>3</b> 3633	-1.8m	desc. node	-6322 Sep 12 j 15:28	27° <b>Ω</b> 24'15	
opposition	-6327 Sep 02 j 04:41	24°る3017		desc. Hode	-6322 Sep 12 j 13:28 -6322 Sep 15 j 23:23	0° Mp	
direct	-6327 Oct 09 j 15:12	24 <b>3</b> 1747	-4 0237	evening set	-6322 Oct 18 j 21:11	25° <b>m</b> ) 49'10	
direct	-6327 Dec 03 j 04:39	0°≈		evening set	-6322 Oct 24 j 04:46	ე° <b>亞</b>	
asc. node	-6327 Dec 17 j 22:23	6°≈42'27			-6322 Dec 01 j 14:28	0° <b>™</b>	
asc. Houc	-6326 Jan 31 j 08:58	0° <b>∺</b>			-0322 DCC 01 j 14.28	O IIG	
	-6326 Mar 23 j 17:04	0° <b>Υ</b>		conjunction	-6322 Dec 22 j 12:26	16°ML02'34	1°01'00
	-6326 May 10 j 18:30	0°8		minimum elong	-6322 Dec 22 j 09:45	15°M57'30	
	-6326 Jun 25 j 04:09	0°II		minimum clong	-6321 Jan 10 j 01:11	0° <b>⊼</b>	1 0123
evening set	-6326 Jun 29 j 00:26	0 П 2°П37'15		max. Earth dist.	-6321 Feb 07 j 20:53		2.45013 AU
max. Earth dist.	-6326 Jul 15 j 02:54		2.51171 AU	max. Lartii dist.	-6321 Feb 20 j 05:37	0°る	2.43013 AO
max. Earth dist.	-6326 Aug 07 j 02:54	0°9	2.311/1 AU	morning rise	-6321 Feb 23 j 15:52	0 0 2° <b>る</b> 25'45	
	-0320 Aug 07 J 02.34	0 3		morning risc	-6321 Apr 04 j 14:41	2 <b>O</b> 23 43	
conjunction	-6326 Aug 18 j 22:36	8°932'07	1°04'26		-6321 May 20 j 11:16	0° <b>∺</b>	
minimum elong	-6326 Aug 19 j 00:09	8°934'56	1°04'50		-6321 Jul 08 j 08:51	0°Υ	
minimum clong	-6326 Sep 16 j 24:00	0°Ω	1 04 30	asc. node	-6321 Aug 10 j 05:07	18° <b>Ƴ</b> 35'48	
morning rise	-6326 Oct 12 j 15:54	19° <b>Ω</b> 26'52		asc. node	-6321 Sep 01 j 08:21	0° <b>8</b>	
morning rise	-6326 Oct 26 j 09:26	0° <b>m</b> )		retrograde	-6321 Nov 11 j 12:25	21° <b>8</b> 28'29	
	-6326 Dec 04 j 01:03	0∘ <b>⊽</b>		•	-6321 Dec 19 j 12:38	12° <b>8</b> 49'47	4°22'25
daga mada	-6326 Dec 04 j 01:03	ა <u>⊶</u> 3° <b>ჲ</b> 52'26		opposition	3	12° <b>8</b> 33'49	4 22 23 -1.5m
desc. node	•	0°M		greatest brilliancy min. Earth dist.	-6321 Dec 20 j 05:08	12 <b>8</b> 33 49	0.62118 AU
	-6325 Jan 11 j 18:57	0° <b>⊼</b> 1			-6321 Dec 24 j 15:19	2° <b>8</b> 53'35	0.62118 AU
	-6325 Feb 20 j 13:09	0°중		direct	-6320 Jan 29 j 11:50	2 <b>O</b> 33 33 0° <b>I</b> I	
	-6325 Apr 03 j 09:53	0°≈			-6320 Apr 17 j 03:39	0ംಣ ೧.π	
	-6325 May 19 j 02:05	0 <b>≈</b> 0° <b>∀</b>			-6320 Jun 04 j 07:34	0° <b>U</b> 0 €3	
retrograde	-6325 Jul 13 j 13:47 -6325 Sep 01 j 04:57	12° <b>∺</b> 36'17		desc. node	-6320 Jul 16 j 13:59 -6320 Jul 30 j 14:02	10° <b>Ω</b> 26'49	
min. Earth dist.			0.65147 AU	desc. Hode	•		
	-6325 Oct 08 j 20:19	2° <b>H</b> 41'17			-6320 Aug 25 j 05:10	0 <b>ಂಹ</b> 0ಂ <b>ಥು</b>	
opposition greatest brilliancy	-6325 Oct 11 j 04:48 -6325 Oct 11 j 03:11	2° <del>X</del> 42'55			-6320 Oct 02 j 19:54 -6320 Nov 10 j 14:16	0° <b>™</b>	
greatest offinancy	-6325 Oct 11 j 05:11 -6325 Oct 18 j 00:09	2 <b>K</b> 42 33 30° <b>R</b> ≈	-1.3111		-6320 Dec 20 j 10:08	0° <b>⊼</b>	
asc. node	-6325 Nov 05 j 01:54	30 k∞ 24°≈39'19		avanina aat	-6320 Dec 20 j 16:51	0 <b>x</b> ⁴ 1° <b>x</b> ⁴40'59	
direct	•			evening set	-6319 Jan 30 j 23:08	0°る	
direct	-6325 Nov 19 j 10:19 -6325 Dec 25 j 12:41	23°≈18'02 0° <b>米</b>			-0319 Jan 30 J 23:08	0.0	
		0°Υ		agniumation	6210 Eak 19 : 12:12	12° <b>る</b> 56'46	1901/51
	-6324 Feb 28 j 11:58	0°8		conjunction	-6319 Feb 18 j 12:12	12 03040	
	-6324 Apr 19 j 14:50				6210 Eab 10: 12:56	120=50146	1902!14
	6224 Jun 04 ; 22:17			minimum elong	-6319 Feb 18 j 13:56	12° <b>る</b> 59'46	1°02'14
	-6324 Jun 04 j 23:17	$\Pi^{\circ}0$		C	-6319 Mar 15 j 12:34	0° <b>≈</b>	
avaning sat	-6324 Jul 18 j 01:23	0°© 0°∏		max. Earth dist.	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01	0° <b>≈</b> 3° <b>≈</b> 08'47	1°02'14 2.57059 AU
evening set	-6324 Jul 18 j 01:23 -6324 Aug 16 j 13:28	0°Ⅱ 0°໑ 21°໑37′34		C	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01 -6319 Apr 13 j 06:15	0°≈ 3°≈08'47 19°≈04'36	
C	-6324 Jul 18 j 01:23 -6324 Aug 16 j 13:28 -6324 Aug 27 j 17:03	0°Ⅱ 0°ᢒ 21°ᢒ37'34 0°Ω	2 30304 AU	max. Earth dist.	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01 -6319 Apr 13 j 06:15 -6319 Apr 30 j 01:13	0°≈ 3°≈08'47 19°≈04'36 0°¥	
evening set max. Earth dist.	-6324 Jul 18 j 01:23 -6324 Aug 16 j 13:28 -6324 Aug 27 j 17:03 -6324 Sep 15 j 07:29	0°∏ 0°© 21°©37'34 0°Ω 14°Ω11'07	2.39304 AU	max. Earth dist. morning rise	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01 -6319 Apr 13 j 06:15 -6319 Apr 30 j 01:13 -6319 Jun 16 j 07:14	0°≈ 3°≈08'47 19°≈04'36 0°₩ 0°Υ	
C	-6324 Jul 18 j 01:23 -6324 Aug 16 j 13:28 -6324 Aug 27 j 17:03	0°Ⅱ 0°ᢒ 21°ᢒ37'34 0°Ω	2.39304 AU	max. Earth dist.	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01 -6319 Apr 13 j 06:15 -6319 Apr 30 j 01:13 -6319 Jun 16 j 07:14 -6319 Jun 27 j 02:21	0°≈ 3°≈08'47 19°≈04'36 0°¥ 0°Υ 6°Υ42'34	
max. Earth dist.	-6324 Jul 18 j 01:23 -6324 Aug 16 j 13:28 -6324 Aug 27 j 17:03 -6324 Sep 15 j 07:29 -6324 Oct 05 j 17:37	0°II 0°S 21°S37'34 0°I 14°I1'07 0°I		max. Earth dist. morning rise	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01 -6319 Apr 13 j 06:15 -6319 Apr 30 j 01:13 -6319 Jun 16 j 07:14 -6319 Jun 27 j 02:21 -6319 Aug 04 j 08:20	0°≈ 3°≈08'47 19°≈04'36 0°¥ 0°Y 6°Y42'34 0°8	
max. Earth dist.	-6324 Jul 18 j 01:23 -6324 Aug 16 j 13:28 -6324 Aug 27 j 17:03 -6324 Sep 15 j 07:29 -6324 Oct 05 j 17:37	0°∏ 0°S 21°S37'34 0°Ω 14°Ω11'07 0°M 6°M551'47	0°08'26	max. Earth dist. morning rise	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01 -6319 Apr 13 j 06:15 -6319 Apr 30 j 01:13 -6319 Jun 16 j 07:14 -6319 Jun 27 j 02:21 -6319 Aug 04 j 08:20 -6319 Sep 25 j 20:17	0°≈ 3°≈08'47 19°≈04'36 0° ₩ 0° Ψ 6° Ψ42'34 0° ₩ 0° ₩	
max. Earth dist.  conjunction minimum elong	-6324 Jul 18 j 01:23 -6324 Aug 16 j 13:28 -6324 Aug 27 j 17:03 -6324 Sep 15 j 07:29 -6324 Oct 05 j 17:37 -6324 Oct 14 j 12:33 -6324 Oct 14 j 13:17	0°Π 0°S 21°S37'34 0°Ω 14°Ω11'07 0°M 6°M 51'47 6°M 53'12		max. Earth dist. morning rise asc. node	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01 -6319 Apr 13 j 06:15 -6319 Apr 30 j 01:13 -6319 Jun 16 j 07:14 -6319 Jun 27 j 02:21 -6319 Aug 04 j 08:20 -6319 Sep 25 j 20:17 -6319 Dec 06 j 14:57	0°≈ 3°≈08'47 19°≈04'36 0° ℋ 0° Ƴ 6° Ƴ42'34 0° ♉ 0° Ⅲ 0° ☞	
max. Earth dist.  conjunction minimum elong behind sun begin	-6324 Jul 18 j 01:23 -6324 Aug 16 j 13:28 -6324 Aug 27 j 17:03 -6324 Sep 15 j 07:29 -6324 Oct 05 j 17:37 -6324 Oct 14 j 12:33 -6324 Oct 14 j 13:17 -6324 Oct 13 j 14:20	0°II 0°S 21°S37'34 0°A 14°A11'07 0°M 6°M51'47 6°M53'12 6°M08'21	0°08'26	max. Earth dist. morning rise	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01 -6319 Apr 13 j 06:15 -6319 Apr 30 j 01:13 -6319 Jun 16 j 07:14 -6319 Jun 27 j 02:21 -6319 Aug 04 j 08:20 -6319 Sep 25 j 20:17 -6319 Dec 06 j 14:57 -6319 Dec 27 j 02:22	0°≈ 3°≈08'47 19°≈04'36 0° ¥ 0° Y 6° Y42'34 0° B 0° II 0° S 2° S21'44	
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end	-6324 Jul 18 j 01:23 -6324 Aug 16 j 13:28 -6324 Aug 27 j 17:03 -6324 Sep 15 j 07:29 -6324 Oct 05 j 17:37 -6324 Oct 14 j 12:33 -6324 Oct 14 j 13:17 -6324 Oct 13 j 14:20 -6324 Oct 15 j 12:14	0° II 0° S 21° S37'34 0° A 14° A11'07 0° M 6° M 51'47 6° M 53'12 6° M 08'21 7° M 38'03	0°08'26	max. Earth dist. morning rise asc. node	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01 -6319 Apr 13 j 06:15 -6319 Apr 30 j 01:13 -6319 Jun 16 j 07:14 -6319 Jun 27 j 02:21 -6319 Aug 04 j 08:20 -6319 Sep 25 j 20:17 -6319 Dec 06 j 14:57 -6319 Dec 27 j 02:22 -6318 Jan 15 j 08:24	0°≈ 3°≈08'47 19°≈04'36 0°¥ 0°Y 6°Y42'34 0°B 0°II 0°S 2°S21'44 30°RII	2.57059 AU
max. Earth dist.  conjunction minimum elong behind sun begin	-6324 Jul 18 j 01:23 -6324 Aug 16 j 13:28 -6324 Aug 27 j 17:03 -6324 Sep 15 j 07:29 -6324 Oct 05 j 17:37 -6324 Oct 14 j 12:33 -6324 Oct 14 j 13:17 -6324 Oct 13 j 14:20 -6324 Oct 15 j 12:14 -6324 Oct 25 j 20:02	0° II 0° S 21° S37'34 0° A 14° A11'07 0° M 6° M 51'47 6° M 53'12 6° M 08'21 7° M 38'03 15° M 43'34	0°08'26	max. Earth dist. morning rise  asc. node  retrograde opposition	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01 -6319 Apr 13 j 06:15 -6319 Apr 30 j 01:13 -6319 Jun 16 j 07:14 -6319 Jun 27 j 02:21 -6319 Aug 04 j 08:20 -6319 Sep 25 j 20:17 -6319 Dec 06 j 14:57 -6319 Dec 27 j 02:22 -6318 Jan 15 j 08:24 -6318 Jan 31 j 04:35	0°≈ 3°≈08'47 19°≈04'36 0° ℋ 0° ♈ 6° ♈42'34 0° ੴ 0° Ⅲ 0° ⑤ 2° ⑤21'44 30° ℝ Ⅲ 25° Ⅲ06'16	2.57059 AU 5°39'45
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end desc. node	-6324 Jul 18 j 01:23 -6324 Aug 16 j 13:28 -6324 Aug 27 j 17:03 -6324 Sep 15 j 07:29 -6324 Oct 05 j 17:37 -6324 Oct 14 j 12:33 -6324 Oct 14 j 13:17 -6324 Oct 13 j 14:20 -6324 Oct 15 j 12:14 -6324 Oct 25 j 20:02 -6324 Nov 13 j 00:06	0° II 0° © 21° © 37'34 0° Ω 14° Ω 11'07 0° ID 6° ID 51'47 6° ID 53'12 6° ID 68'21 7° ID 38'03 15° ID 43'34 0° Ω	0°08'26	max. Earth dist. morning rise  asc. node  retrograde  opposition greatest brilliancy	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01 -6319 Apr 13 j 06:15 -6319 Apr 30 j 01:13 -6319 Jun 16 j 07:14 -6319 Jun 27 j 02:21 -6319 Aug 04 j 08:20 -6319 Sep 25 j 20:17 -6319 Dec 06 j 14:57 -6319 Dec 27 j 02:22 -6318 Jan 15 j 08:24 -6318 Feb 01 j 18:52	0°≈ 3°≈08'47 19°≈04'36 0° ℋ 0° ♈ 6° ♈ 42'34 0° ੴ 0° Ⅲ 0° ⑤ 2° ⑤ 21'44 30° ℝ Ⅲ 25° Ⅲ 06'16 24° Ⅲ 32'14	2.57059 AU 5°39'45 -2.0m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end	-6324 Jul 18 j 01:23 -6324 Aug 16 j 13:28 -6324 Aug 27 j 17:03 -6324 Sep 15 j 07:29 -6324 Oct 05 j 17:37 -6324 Oct 14 j 12:33 -6324 Oct 14 j 13:17 -6324 Oct 13 j 14:20 -6324 Oct 25 j 20:02 -6324 Nov 13 j 00:06 -6324 Dec 19 j 09:32	0° II 0° © 21° © 37'34 0° Ω 14° Ω 11'07 0° ID 6° ID 51'47 6° ID 53'12 6° ID 8'21 7° ID 38'03 15° ID 43'34 0° Ω 28° Ω 26'26	0°08'26	max. Earth dist. morning rise  asc. node  retrograde  opposition greatest brilliancy min. Earth dist.	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01 -6319 Apr 13 j 06:15 -6319 Apr 30 j 01:13 -6319 Jun 16 j 07:14 -6319 Jun 27 j 02:21 -6319 Aug 04 j 08:20 -6319 Sep 25 j 20:17 -6319 Dec 06 j 14:57 -6319 Dec 27 j 02:22 -6318 Jan 15 j 08:24 -6318 Feb 01 j 18:52 -6318 Feb 08 j 07:28	0°≈ 3°≈08'47 19°≈04'36 0° ℋ 0° ♈ 6° ♈ 42'34 0° ੴ 0° Ⅲ 0° ⑤ 2° ⑤ 21'44 30° ℝ Ⅲ 25° Ⅲ 06'16 24° Ⅲ 32'14 22° Ⅲ 13'50	2.57059 AU 5°39'45
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end desc. node	-6324 Jul 18 j 01:23 -6324 Aug 16 j 13:28 -6324 Aug 27 j 17:03 -6324 Sep 15 j 07:29 -6324 Oct 05 j 17:37 -6324 Oct 14 j 12:33 -6324 Oct 14 j 13:17 -6324 Oct 13 j 14:20 -6324 Oct 25 j 20:02 -6324 Nov 13 j 00:06 -6324 Dec 19 j 09:32 -6324 Dec 21 j 09:52	0° II 0° S 21° S37'34 0° A 14° A11'07 0° M 6° M 51'47 6° M 53'12 6° M 08'21 7° M 38'03 15° M 43'34 0° Ω 28° Ω 26'26 0° IL	0°08'26	max. Earth dist. morning rise  asc. node  retrograde  opposition greatest brilliancy	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01 -6319 Apr 13 j 06:15 -6319 Apr 30 j 01:13 -6319 Jun 16 j 07:14 -6319 Jun 27 j 02:21 -6319 Aug 04 j 08:20 -6319 Sep 25 j 20:17 -6319 Dec 06 j 14:57 -6319 Dec 27 j 02:22 -6318 Jan 15 j 08:24 -6318 Jan 31 j 04:35 -6318 Feb 01 j 18:52 -6318 Feb 08 j 07:28 -6318 Mar 10 j 22:38	0°≈ 3°≈08'47 19°≈04'36 0° ) 0° ) 0° ) 6° ) 40° ) 0° ) 0° ] 0° ] 0° ] 2° ] 2° ] 2° ] 144 30° ] 25° ] 106'16 24° ] 13'50 16° ] 13'27	2.57059 AU 5°39'45 -2.0m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end desc. node	-6324 Jul 18 j 01:23 -6324 Aug 16 j 13:28 -6324 Aug 27 j 17:03 -6324 Sep 15 j 07:29 -6324 Oct 05 j 17:37 -6324 Oct 14 j 12:33 -6324 Oct 14 j 13:17 -6324 Oct 13 j 14:20 -6324 Oct 15 j 12:14 -6324 Oct 25 j 20:02 -6324 Nov 13 j 00:06 -6324 Dec 19 j 09:32 -6324 Dec 21 j 09:52 -6323 Jan 29 j 19:32	0° II 0° S 21° S37'34 0° A 14° A11'07 0° M 6° M 51'47 6° M 53'12 6° M 08'21 7° M 38'03 15° M 43'34 0° Ω 28° Ω 26'26 0° M 0° X	0°08'26	max. Earth dist. morning rise  asc. node  retrograde  opposition greatest brilliancy min. Earth dist. direct	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01 -6319 Apr 13 j 06:15 -6319 Apr 30 j 01:13 -6319 Jun 16 j 07:14 -6319 Jun 27 j 02:21 -6319 Aug 04 j 08:20 -6319 Sep 25 j 20:17 -6319 Dec 06 j 14:57 -6319 Dec 27 j 02:22 -6318 Jan 15 j 08:24 -6318 Feb 01 j 18:52 -6318 Feb 08 j 07:28 -6318 Mar 10 j 22:38 -6318 Apr 29 j 23:39	0°≈ 3°≈08'47 19°≈04'36 0° ¥ 0° Y 6° Y 42'34 0° B 0° II 0°  2°	2.57059 AU 5°39'45 -2.0m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end desc. node	-6324 Jul 18 j 01:23 -6324 Aug 16 j 13:28 -6324 Aug 27 j 17:03 -6324 Sep 15 j 07:29 -6324 Oct 05 j 17:37 -6324 Oct 14 j 12:33 -6324 Oct 14 j 13:17 -6324 Oct 13 j 14:20 -6324 Oct 15 j 12:14 -6324 Oct 25 j 20:02 -6324 Nov 13 j 00:06 -6324 Dec 19 j 09:32 -6324 Dec 21 j 09:52 -6323 Jan 29 j 19:32 -6323 Mar 12 j 00:17	0° II 0° S 21° S37'34 0° A 14° A11'07 0° M 6° M 51'47 6° M 53'12 6° M 08'21 7° M 38'03 15° M 43'34 0° Ω 28° Ω 26'26 0° M 0° X 0° S	0°08'26	max. Earth dist. morning rise  asc. node  retrograde  opposition greatest brilliancy min. Earth dist.	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01 -6319 Apr 13 j 06:15 -6319 Apr 30 j 01:13 -6319 Jun 16 j 07:14 -6319 Jun 27 j 02:21 -6319 Aug 04 j 08:20 -6319 Sep 25 j 20:17 -6319 Dec 06 j 14:57 -6319 Dec 27 j 02:22 -6318 Jan 15 j 08:24 -6318 Feb 01 j 18:52 -6318 Feb 08 j 07:28 -6318 Mar 10 j 22:38 -6318 Apr 29 j 23:39 -6318 Jun 17 j 15:46	0°≈ 3°≈08'47 19°≈04'36 0° ℋ 0° ♈ 6° ♈ 42'34 0° ♉ 0° Ⅲ 0° 蚐 2° ໑21'44 30° ℞Ⅲ 25° Ⅲ06'16 24° Ⅲ32'14 22° Ⅲ13'50 16° Ⅲ 13'27 0° ໑ 28° ໑32'17	2.57059 AU 5°39'45 -2.0m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end desc. node	-6324 Jul 18 j 01:23 -6324 Aug 16 j 13:28 -6324 Aug 27 j 17:03 -6324 Sep 15 j 07:29 -6324 Oct 05 j 17:37 -6324 Oct 14 j 12:33 -6324 Oct 14 j 13:17 -6324 Oct 13 j 14:20 -6324 Oct 15 j 12:14 -6324 Oct 25 j 20:02 -6324 Nov 13 j 00:06 -6324 Dec 19 j 09:32 -6324 Dec 21 j 09:52 -6323 Jan 29 j 19:32 -6323 Mar 12 j 00:17 -6323 Apr 24 j 18:33	0° II 0° S 21° S37'34 0° Ω 14° Ω11'07 0° M 6° M 51'47 6° M 53'12 6° M 08'21 7° M 38'03 15° M 43'34 0° Ω 28° Ω 26'26 0° M 0° II 0° I	0°08'26	max. Earth dist. morning rise  asc. node  retrograde  opposition greatest brilliancy min. Earth dist. direct	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01 -6319 Apr 13 j 06:15 -6319 Apr 30 j 01:13 -6319 Jun 16 j 07:14 -6319 Jun 27 j 02:21 -6319 Aug 04 j 08:20 -6319 Sep 25 j 20:17 -6319 Dec 06 j 14:57 -6319 Dec 27 j 02:22 -6318 Jan 15 j 08:24 -6318 Feb 01 j 18:52 -6318 Feb 08 j 07:28 -6318 Mar 10 j 22:38 -6318 Apr 29 j 23:39 -6318 Jun 17 j 15:46 -6318 Jun 19 j 20:22	0°≈ 3°≈08'47 19°≈04'36 0° ℋ 0° ♈ 6° ♈ 42'34 0° ℧ 0° Ⅲ 0° Љ 2° № 22'144 30° № Ⅲ 25° Ⅲ 06'16 24° Ⅲ 32'14 22° Ⅲ 13'50 16° Ⅲ 13'27 0° Љ 28° № 32'17 0° №	2.57059 AU 5°39'45 -2.0m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end desc. node	-6324 Jul 18 j 01:23 -6324 Aug 16 j 13:28 -6324 Aug 27 j 17:03 -6324 Sep 15 j 07:29 -6324 Oct 05 j 17:37 -6324 Oct 14 j 12:33 -6324 Oct 14 j 13:17 -6324 Oct 13 j 14:20 -6324 Oct 15 j 12:14 -6324 Oct 25 j 20:02 -6324 Nov 13 j 00:06 -6324 Dec 21 j 09:32 -6324 Dec 21 j 09:52 -6323 Jan 29 j 19:32 -6323 Mar 12 j 00:17 -6323 Apr 24 j 18:33 -6323 Jun 11 j 05:55	0° II 0° S 21° S37'34 0° Ω 14° Ω11'07 0° II 6° III 53'12 6° III 53'12 6° III 60' III 53'12 7° III 38'03 15° III 43'34 0° Ω 28° Ω 26'26 0° III 0° II 0	0°08'26	max. Earth dist. morning rise  asc. node  retrograde  opposition greatest brilliancy min. Earth dist. direct	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01 -6319 Apr 13 j 06:15 -6319 Apr 30 j 01:13 -6319 Jun 16 j 07:14 -6319 Jun 27 j 02:21 -6319 Aug 04 j 08:20 -6319 Sep 25 j 20:17 -6319 Dec 06 j 14:57 -6319 Dec 27 j 02:22 -6318 Jan 15 j 08:24 -6318 Feb 01 j 18:52 -6318 Feb 08 j 07:28 -6318 Mar 10 j 22:38 -6318 Apr 29 j 23:39 -6318 Jun 17 j 15:46 -6318 Jun 19 j 20:22 -6318 Aug 01 j 06:37	0°≈ 3°≈08'47 19°≈04'36 0° ℋ 0° ♈ 6° ♈ 42'34 0° ♉ 0° Ⅲ 0° ☞ 2° ☞ 21'44 30° ℝ Ⅲ 25° Ⅲ 06'16 24° Ⅲ 32'14 22° Ⅲ 13'50 16° Ⅲ 13'27 0° ☞ 28° ℱ 32'17 0° Ω 0° ♍	2.57059 AU 5°39'45 -2.0m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end desc. node morning rise	-6324 Jul 18 j 01:23 -6324 Aug 16 j 13:28 -6324 Aug 27 j 17:03 -6324 Sep 15 j 07:29 -6324 Oct 05 j 17:37 -6324 Oct 14 j 12:33 -6324 Oct 14 j 13:17 -6324 Oct 13 j 14:20 -6324 Oct 15 j 12:14 -6324 Oct 25 j 20:02 -6324 Nov 13 j 00:06 -6324 Dec 19 j 09:32 -6324 Dec 21 j 09:52 -6323 Jan 29 j 19:32 -6323 Mar 12 j 00:17 -6323 Apr 24 j 18:33 -6323 Jun 11 j 05:55 -6323 Aug 05 j 17:38	0° II 0° S 21° S37'34 0° A 14° A11'07 0° M 6° M51'47 6° M53'12 6° M08'21 7° M38'03 15° M43'34 0° Ω 28° Ω26'26 0° M 0° X 0° S 0° X 0° X 0° X 0° X	0°08'26	max. Earth dist. morning rise  asc. node  retrograde  opposition greatest brilliancy min. Earth dist. direct	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01 -6319 Apr 13 j 06:15 -6319 Apr 30 j 01:13 -6319 Jun 16 j 07:14 -6319 Jun 27 j 02:21 -6319 Aug 04 j 08:20 -6319 Sep 25 j 20:17 -6319 Dec 06 j 14:57 -6319 Dec 27 j 02:22 -6318 Jan 15 j 08:24 -6318 Feb 01 j 18:52 -6318 Feb 01 j 18:52 -6318 Feb 08 j 07:28 -6318 Mar 10 j 22:38 -6318 Apr 29 j 23:39 -6318 Jun 17 j 15:46 -6318 Jun 19 j 20:22 -6318 Aug 01 j 06:37 -6318 Sep 10 j 10:05	0°≈ 3°≈08'47 19°≈04'36 0° ℋ 0° ♈ 6° ♈ 42'34 0° ♉ 0° Ⅲ 0° ໑ 2° ໑21'44 30° ℞Ⅲ 25° Ⅲ06'16 24° Ⅲ32'14 22° Ⅲ13'50 16° Ⅲ13'27 0° ໑ 28° ໑32'17 0° Ω 0° ♍ 0° ┅ 0° ┅	2.57059 AU 5°39'45 -2.0m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end desc. node morning rise	-6324 Jul 18 j 01:23 -6324 Aug 16 j 13:28 -6324 Aug 27 j 17:03 -6324 Sep 15 j 07:29 -6324 Oct 05 j 17:37 -6324 Oct 14 j 12:33 -6324 Oct 14 j 13:17 -6324 Oct 13 j 14:20 -6324 Oct 15 j 12:14 -6324 Oct 25 j 20:02 -6324 Nov 13 j 00:06 -6324 Dec 19 j 09:32 -6324 Dec 21 j 09:52 -6323 Jan 29 j 19:32 -6323 Mar 12 j 00:17 -6323 Apr 24 j 18:33 -6323 Jun 11 j 05:55 -6323 Aug 05 j 17:38 -6323 Sep 22 j 04:39	0° II 0° S 21° S37'34 0° Ω 14° Ω11'07 0° ID 6° ID 51'47 6° ID 53'12 6° ID 68'21 7° ID 38'03 15° ID 43'34 0° Ω 28° Ω 26'26 0° IL 0° ズ 0° I 0° ズ 0° S 0° ※ 0° Y 15° Y 45'18	0°08'26	max. Earth dist. morning rise  asc. node  retrograde  opposition greatest brilliancy min. Earth dist. direct	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01 -6319 Apr 13 j 06:15 -6319 Apr 30 j 01:13 -6319 Jun 16 j 07:14 -6319 Jun 27 j 02:21 -6319 Aug 04 j 08:20 -6319 Sep 25 j 20:17 -6319 Dec 06 j 14:57 -6319 Dec 27 j 02:22 -6318 Jan 15 j 08:24 -6318 Jan 31 j 04:35 -6318 Feb 01 j 18:52 -6318 Feb 08 j 07:28 -6318 Apr 29 j 23:39 -6318 Jun 17 j 15:46 -6318 Jun 19 j 20:22 -6318 Aug 01 j 06:37 -6318 Sep 10 j 10:05 -6318 Oct 20 j 07:48	0°≈ 3°≈08'47 19°≈04'36 0° ℋ 0° ℋ 0° Υ 6° Υ42'34 0° ℧ 0° ℿ 0°⑤ 2°⑤21'44 30° ℝΠ 25° Π06'16 24° Π32'14 22° Π13'50 16° Π13'27 0°⑤ 28°⑤32'17 0° Ω 0° ™ 0° Ω	2.57059 AU 5°39'45 -2.0m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end desc. node morning rise  asc. node retrograde	-6324 Jul 18 j 01:23 -6324 Aug 16 j 13:28 -6324 Aug 27 j 17:03 -6324 Sep 15 j 07:29 -6324 Oct 05 j 17:37 -6324 Oct 14 j 12:33 -6324 Oct 14 j 13:17 -6324 Oct 13 j 14:20 -6324 Oct 15 j 12:14 -6324 Oct 25 j 20:02 -6324 Nov 13 j 00:06 -6324 Dec 19 j 09:32 -6324 Dec 21 j 09:52 -6323 Jan 29 j 19:32 -6323 Mar 12 j 00:17 -6323 Aug 05 j 17:38 -6323 Sep 22 j 04:39 -6323 Oct 05 j 01:14	0° II 0° S 21° S37'34 0° A 14° A11'07 0° ID 6° ID 51'47 6° ID 53'12 6° ID 63'12 7° ID 38'03 15° ID 43'34 0° A 28° A 26'26 0° IL 0°  8' 0° A 0° A 0° Y 15° Y 45'18 16° Y 44'31	0°08'26 0°08'36	max. Earth dist. morning rise  asc. node  retrograde  opposition greatest brilliancy min. Earth dist. direct	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01 -6319 Apr 13 j 06:15 -6319 Apr 30 j 01:13 -6319 Jun 16 j 07:14 -6319 Jun 27 j 02:21 -6319 Aug 04 j 08:20 -6319 Sep 25 j 20:17 -6319 Dec 06 j 14:57 -6319 Dec 27 j 02:22 -6318 Jan 15 j 08:24 -6318 Jan 31 j 04:35 -6318 Feb 01 j 18:52 -6318 Feb 08 j 07:28 -6318 Mar 10 j 22:38 -6318 Apr 29 j 23:39 -6318 Jun 17 j 15:46 -6318 Jun 19 j 20:22 -6318 Aug 01 j 06:37 -6318 Sep 10 j 10:05 -6318 Oct 20 j 07:48 -6318 Nov 30 j 02:58	0°≈ 3°≈08'47 19°≈04'36 0° ) 0° ) 0° ) 0° ) 0° \ 0° \ 0° \ 0° \ 10° \ 0° \ 2° \ 2° \ 2° \ 2° \ 113'50 16° \ 113'27 0° \ 28° \ 32'17 0° \ 0° \ 0° \ 0° \ 0° \ 0° \ 0° \ 0° \	2.57059 AU 5°39'45 -2.0m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end desc. node morning rise  asc. node retrograde opposition	-6324 Jul 18 j 01:23 -6324 Aug 16 j 13:28 -6324 Aug 27 j 17:03 -6324 Sep 15 j 07:29 -6324 Oct 05 j 17:37  -6324 Oct 14 j 12:33 -6324 Oct 14 j 13:17 -6324 Oct 13 j 14:20 -6324 Oct 15 j 12:14 -6324 Oct 25 j 20:02 -6324 Nov 13 j 00:06 -6324 Dec 19 j 09:32 -6324 Dec 21 j 09:52 -6323 Jan 29 j 19:32 -6323 Mar 12 j 00:17 -6323 Apr 24 j 18:33 -6323 Aug 05 j 17:38 -6323 Sep 22 j 04:39 -6323 Oct 05 j 01:14 -6323 Nov 13 j 14:24	0° II 0° S 21° S37'34 0° A 14° A11'07 0° M 6° M 51'47 6° M 53'12 6° M 08'21 7° M 38'03 15° M 43'34 0° Ω 28° Ω 26'26 0° M 0° X 0° S 0° X 0° Y 15° Y 45'18 16° Y 44'31 7° Y 15'41	0°08'26 0°08'36	max. Earth dist. morning rise  asc. node  retrograde opposition greatest brilliancy min. Earth dist. direct desc. node	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01 -6319 Apr 13 j 06:15 -6319 Apr 30 j 01:13 -6319 Jun 16 j 07:14 -6319 Jun 27 j 02:21 -6319 Aug 04 j 08:20 -6319 Sep 25 j 20:17 -6319 Dec 06 j 14:57 -6319 Dec 27 j 02:22 -6318 Jan 15 j 08:24 -6318 Jan 31 j 04:35 -6318 Feb 01 j 18:52 -6318 Feb 08 j 07:28 -6318 Mar 10 j 22:38 -6318 Apr 29 j 23:39 -6318 Jun 17 j 15:46 -6318 Jun 19 j 20:22 -6318 Aug 01 j 06:37 -6318 Oct 20 j 07:48 -6318 Nov 30 j 02:58 -6317 Jan 11 j 11:51	0°≈ 3°≈08'47 19°≈04'36 0°)€ 0°)€ 0°)€ 0°)□ 0°© 2°©21'44 30°,□ 25°□06'16 24°□13'50 16°□13'27 0°© 28°©32'17 0°Ω 0°□ 0°□ 0°□ 0°□ 0°□ 0°□	2.57059 AU 5°39'45 -2.0m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end desc. node morning rise  asc. node retrograde	-6324 Jul 18 j 01:23 -6324 Aug 16 j 13:28 -6324 Aug 27 j 17:03 -6324 Sep 15 j 07:29 -6324 Oct 05 j 17:37 -6324 Oct 14 j 12:33 -6324 Oct 14 j 13:17 -6324 Oct 13 j 14:20 -6324 Oct 15 j 12:14 -6324 Oct 25 j 20:02 -6324 Nov 13 j 00:06 -6324 Dec 19 j 09:32 -6324 Dec 21 j 09:52 -6323 Jan 29 j 19:32 -6323 Mar 12 j 00:17 -6323 Aug 05 j 17:38 -6323 Sep 22 j 04:39 -6323 Oct 05 j 01:14	0° II 0° S 21° S37'34 0° A 14° A11'07 0° ID 6° ID 51'47 6° ID 53'12 6° ID 63'12 7° ID 38'03 15° ID 43'34 0° A 28° A 26'26 0° IL 0°  8' 0° A 0° A 0° Y 15° Y 45'18 16° Y 44'31	0°08'26 0°08'36	max. Earth dist. morning rise  asc. node  retrograde  opposition greatest brilliancy min. Earth dist. direct	-6319 Mar 15 j 12:34 -6319 Mar 20 j 05:01 -6319 Apr 13 j 06:15 -6319 Apr 30 j 01:13 -6319 Jun 16 j 07:14 -6319 Jun 27 j 02:21 -6319 Aug 04 j 08:20 -6319 Sep 25 j 20:17 -6319 Dec 06 j 14:57 -6319 Dec 27 j 02:22 -6318 Jan 15 j 08:24 -6318 Jan 31 j 04:35 -6318 Feb 01 j 18:52 -6318 Feb 08 j 07:28 -6318 Mar 10 j 22:38 -6318 Apr 29 j 23:39 -6318 Jun 17 j 15:46 -6318 Jun 19 j 20:22 -6318 Aug 01 j 06:37 -6318 Sep 10 j 10:05 -6318 Oct 20 j 07:48 -6318 Nov 30 j 02:58	0°≈ 3°≈08'47 19°≈04'36 0° ) 0° ) 0° ) 0° ) 0° \ 0° \ 0° \ 0° \ 10° \ 0° \ 2° \ 2° \ 2° \ 2° \ 113'50 16° \ 113'27 0° \ 28° \ 32'17 0° \ 0° \ 0° \ 0° \ 0° \ 0° \ 0° \ 0° \	2.57059 AU 5°39'45 -2.0m

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 9 Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style.

Attention, astronomi	cal year style is used: Th	e year -6398 i	n astronomical cou	nting style is the year	6399 BCE in historical co	ounting style.	
conjunction	-6317 Apr 05 j 04:39	25° <b>≈</b> 56'56	-0°22'15	retrograde	-6312 Jul 09 j 14:58	16° <b>පි</b> 24'30	
minimum elong	-6317 Apr 05 j 05:34	25° <b>≈</b> 58'25	0°22'30	min. Earth dist.	-6312 Aug 09 j 16:16	9° <b>ප</b> 50'00	0.53081 AU
	-6317 Apr 11 j 10:52	0° <b>∀</b>		opposition	-6312 Aug 16 j 22:10	7° <b>る</b> 05'34	
max. Earth dist.	-6317 Apr 17 j 03:15		2.64654 AU	greatest brilliancy	-6312 Aug 15 j 17:14	7° <b>る</b> 33'02	-2.0m
asc. node	-6317 May 14 j 21:03	21° <b>∺</b> 27′11			-6312 Sep 11 j 06:57	30°₽ <b>⋌</b>	
morning rise	-6317 May 23 j 08:37	26° <b>)</b> 51'41		direct	-6312 Sep 20 j 22:27	29° <b>₹</b> 22'24	
	-6317 May 28 j 06:57	0° <b>Ƴ</b>			-6312 Sep 30 j 21:37	5°0	
	-6317 Jul 14 j 14:38	0°∏ 8°0		asa mada	-6312 Dec 18 j 00:54	0° <b>≈</b> 8° <b>≈</b> 53'04	
	-6317 Aug 31 j 04:37 -6317 Oct 18 j 14:03	0°©		asc. node	-6311 Jan 03 j 12:01 -6311 Feb 09 j 12:33	0° <b>∺</b>	
	-6317 Dec 09 j 02:00	0°Ω			-6311 Mar 31 j 08:31	0° <b>Υ</b>	
retrograde	-6316 Mar 02 j 21:58	29° <b>Ω</b> 48'29			-6311 May 17 j 21:24	0°8	
opposition	-6316 Apr 02 j 22:03	24° <b>Ω</b> 30'18	2°20'03	evening set	-6311 Jun 12 j 08:37	16° <b>8</b> 41'04	
greatest brilliancy	-6316 Apr 03 j 11:58	24° <b>Ω</b> 20'29		max. Earth dist.	-6311 Jul 01 j 09:07		2.55554 AU
min. Earth dist.	-6316 Apr 08 j 01:07	23° <b>Ω</b> 03'37	0.39703 AU		-6311 Jul 02 j 04:15	$\Pi^{\circ}0$	
desc. node	-6316 May 04 j 18:02	18° <b>Ω</b> 34'53					
direct	-6316 May 05 j 12:48	18° <b>Ω</b> 34'38		conjunction	-6311 Jul 31 j 10:47	20° <b>Ⅱ</b> 14′04	1°11'08
	-6316 Jun 18 j 16:14	0° <b>m</b>		minimum elong	-6311 Jul 31 j 11:13	20° <b>Ⅱ</b> 14'50	1°11'31
	-6316 Aug 10 j 01:06	0∘ <b>⊽</b>			-6311 Aug 14 j 05:31	$0$ $\circ$ $\odot$	
	-6316 Sep 23 j 18:27	0° <b>M</b> ₊		morning rise	-6311 Sep 20 j 14:12	27°513'05	
	-6316 Nov 06 j 11:45	0° <b>∡</b>			-6311 Sep 24 j 08:01	$0$ $^{\circ}$ $\Omega$	
	-6316 Dec 20 j 20:11	5°0			-6311 Nov 03 j 00:14	0° Mp	
	-6315 Feb 04 j 08:32	0° <b>≈</b>		JJ.	-6311 Dec 11 j 22:37	0° <b>™</b>	
evening set	-6315 Mar 22 j 22:02 -6315 Mar 26 j 15:38	0° <b>∺</b> 2° <b>∺</b> 23'11		desc. node	-6311 Dec 25 j 19:45 -6310 Jan 19 j 23:00	10° <b>≙</b> 42'55 0° <b>ጤ</b>	
asc. node	-6315 Mar 31 j 15:49	5°\(\frac{7}{35}\)			-6310 Mar 01 j 01:00	0° <b>⊼</b> ¹	
use. Hode	-6315 May 08 j 22:48	0° <b>Υ</b>			-6310 Apr 12 j 13:00	°ਤ	
max. Earth dist.	-6315 May 10 j 04:43	0° <b>Υ</b> 47'43	2.66904 AU		-6310 May 30 j 05:52	0° <b>≈</b>	
	, .,			retrograde	-6310 Aug 18 j 08:31	28° <b>≈</b> 38'50	
conjunction	-6315 May 13 j 11:57	2° <b>Y</b> 54'05	0°23'44	min. Earth dist.	-6310 Sep 23 j 09:14	20° <b>≈</b> 13'37	0.62820 AU
minimum elong	-6315 May 13 j 11:06	2° <b>Y</b> 52'45	0°23'43	opposition	-6310 Sep 27 j 04:43	18° <b>≈</b> 41'48	-2°09'14
	-6315 Jun 24 j 17:24	$9^{\circ}$ 8		greatest brilliancy	-6310 Sep 26 j 22:23	18° <b>≈</b> 48′09	-1.5m
morning rise	-6315 Jun 28 j 08:03	2° <b>8</b> 20'06		direct	-6310 Nov 04 j 11:01	9° <b>≈</b> 39'12	
	-6315 Aug 09 j 16:15	$\Pi$ °0		asc. node	-6310 Nov 21 j 15:06	11° <b>≈</b> 21'32	
	-6315 Sep 23 j 14:57	0°99			-6309 Jan 12 j 15:08	0° <b>)</b> €	
	-6315 Nov 06 j 17:46	0° <b>N</b>			-6309 Mar 09 j 21:56	$^{\circ \gamma}$	
	-6315 Dec 20 j 12:12 -6314 Feb 03 j 02:53	0 <b>ಂಹ</b> 0ಂ <b>ಥು</b>			-6309 Apr 28 j 10:44 -6309 Jun 13 j 07:37	0° <b>B</b>	
desc node	-6314 Mar 22 j 21:23	0 <b>≗</b> 28° <b>♀</b> 50'42			-6309 Jul 26 j 07:17	0°©	
desc. node	-6314 Mar 25 j 02:29	0°M		evening set	-6309 Jul 27 j 21:24	1°908'34	
retrograde	-6314 May 18 j 08:29	16°MJ31'58		max. Earth dist.	-6309 Aug 14 j 08:51	13°952'13	2.43659 AU
min. Earth dist.	-6314 Jun 14 j 04:40		0.40909 AU		-6309 Sep 05 j 00:14	$0^{\circ}\Omega$	
opposition	-6314 Jun 20 j 23:55	9°M53'11	-5°35'40		1 3		
greatest brilliancy	-6314 Jun 19 j 14:56	10°M18'26	-2.7m	conjunction	-6309 Sep 21 j 04:00	12° <b>Ω</b> 16'31	0°36'41
direct	-6314 Jul 21 j 18:39	4°M16'02		minimum elong	-6309 Sep 21 j 06:18	12° <b>Ω</b> 20′53	0°36'59
	-6314 Oct 05 j 08:57	0° <b>∡</b>			-6309 Oct 14 j 03:29	0° <b>m</b>	
	-6314 Nov 26 j 09:12	0°ප		desc. node	-6309 Nov 12 j 14:32	23° Mp 00'36	
_	-6313 Jan 14 j 08:59	0° <b>≈</b>			-6309 Nov 21 j 12:36	0∘ <b>⊽</b>	
asc. node	-6313 Feb 16 j 12:17	20°≈32'19		morning rise	-6309 Nov 22 j 01:39	0° <b>£</b> 25'34	
	-6313 Mar 03 j 17:16	0° <b>∀</b> 0° <b>Υ</b>			-6309 Dec 30 j 00:29	0°M 0°. <b>₹</b>	
avanina aat	-6313 Apr 20 j 13:17	0°γ′ 8° <b>Υ</b> 54'16			-6308 Feb 07 j 11:59	್ತಾ 0°⋜	
evening set max. Earth dist.	-6313 May 04 j 14:07 -6313 Jun 03 j 19:07		2.63773 AU		-6308 Mar 19 j 19:56 -6308 May 03 j 00:21	0°≈	
max. Lattii dist.	-6313 Jun 06 j 09:24	0°8	2.03773 AO		-6308 Jun 20 j 23:58	0° <b>∺</b>	
	0515 Jun 00 J 07.24	<b>° O</b>			-6308 Aug 26 j 11:58	0° <b>Υ</b>	
conjunction	-6313 Jun 20 j 16:23	9° <b>8</b> 20'22	0°59'49	retrograde	-6308 Sep 21 j 11:50	3° <b>Ƴ</b> 49'41	
minimum elong	-6313 Jun 20 j 15:04	9° <b>8</b> 18'13	1°00'03	asc. node	-6308 Oct 08 j 19:07	1° <b>Y</b> 49'20	
	-6313 Jul 21 j 17:24	$\Pi^{\circ}0$			-6308 Oct 15 j 11:22	30° <b>₹</b>	
morning rise	-6313 Aug 06 j 02:19	10° <b>Ⅱ</b> 26′22		opposition	-6308 Oct 31 j 07:53	24° <b>)</b> €07'46	0°50'58
	-6313 Sep 03 j 08:12	$0$ $\circ$ $\odot$		greatest brilliancy	-6308 Oct 31 j 07:22	24° <b>)</b> €08'18	-1.4m
	-6313 Oct 15 j 08:55	$0$ ° $\Omega$		min. Earth dist.	-6308 Oct 31 j 05:33	24° <b>∺</b> 10′07	0.66856 AU
	-6313 Nov 25 j 04:29	0° <b>m</b> )		direct	-6308 Dec 10 j 15:52	14° <b>)</b> €21'39	
4 1	-6312 Jan 04 j 09:04	0∘ <b>⊽</b>			-6307 Feb 07 j 11:17	0°Υ •••	
desc. node	-6312 Feb 07 j 23:00	25° <b>£</b> 39'46			-6307 Apr 05 j 09:13	0° <b>B</b>	
	-6312 Feb 13 j 21:15 -6312 Mar 27 j 09:52	0° <b>M</b> 0° <b>∡</b> 1			-6307 May 23 j 05:29 -6307 Jul 05 j 18:57	0ಂಣ ೧ೣπ	
	-6312 May 16 j 00:08	0° <b>ਣ</b>			-6307 Aug 15 j 13:04	0°€0	
	5512 May 10 J 00.00	ů O			550, 11ug 15 J 15.04	~ UL	

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:22, Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style. morning rise -6307 Sep 22 j 15:57 29°**Ω**19'23 -6302 May 08 j 10:39 12° ¥ 55'10 evening set -6307 Sep 23 j 12:46 0° m -6302 May 31 j 14:21 27° ¥ 40'05 asc. node -6307 Sep 29 j 10:11 -6302 Jun 04 j 06:40  $0^{\circ}\Upsilon$ desc. node 4° Tp 36'25 -6307 Oct 31 j 17:32 -6302 Jul 22 j 01:35 0°8 0∘ഹ -6302 Sep 08 j 21:18  $0^{\circ}\Pi$ -6307 Nov 25 j 15:54 19°**△**33'29 -0°40'03 -6302 Oct 30 j 11:08 0ಂತಾ conjunction -6307 Nov 25 j 12:43 -6301 Jan 04 j 17:30 minimum elong 19°**2**27'16 0°40'07 0 $^{\circ}\Omega$ -6307 Dec 09 j 02:06 0°M retrograde -6301 Feb 02 j 13:30 4°**Ω**34'42 max. Earth dist. -6306 Jan 07 j 22:01 22°M49'44 2.40084 AU -6301 Mar 02 j 10:13 30°R55 -6306 Jan 17 j 11:09 0°**∡**7 opposition -6301 Mar 07 j 05:01 28°**©**32'07 4°37'55 morning rise -6306 Jan 30 j 22:37 9°**∡**¹59'52 greatest brilliancy -6301 Mar 08 j 15:29 28°**©**05'06 -2.5m -6301 Mar 15 j 03:01 -6306 Feb 27 j 14:02 0°궁 min. Earth dist. 26°**©**04'19 0.43838 AU -6306 Apr 12 j 00:08 0°≈ direct -6301 Apr 11 j 15:16 21°9517'51 -6306 May 28 j 05:32 0°**)**€ -6301 May 19 j 12:29  $0^{\circ}\Omega$ -6306 Jul 17 j 13:01  $0^{\circ}\Upsilon$ desc. node -6301 May 22 j 11:00 1° € 15'25 asc. node -6306 Aug 26 j 20:37 20°**℃**47'21 -6301 Jul 12 j 03:04 0° m -6306 Sep 18 j 06:59  $0^{\circ}$ 8 -6301 Aug 24 j 15:43 0∘**⊽** retrograde -6306 Oct 27 j 07:48 7°**8**46'57 -6301 Oct 05 j 10:28 0°M -6306 Dec 01 j 21:19 30°RY -6301 Nov 16 j 12:59 0°**∡**7 opposition -6306 Dec 05 j 01:37 28°Y45'38 3°29'58 -6301 Dec 29 j 20:44 0°정 greatest brilliancy -6306 Dec 05 j 10:29 28°**Y**36'55 -1.4m -6300 Feb 12 j 17:14 0°≈ min. Earth dist. -6306 Dec 08 i 17:21 27°**Y**19′20 0.64670 AU -6300 Mar 10 j 20:32 17°≈42'55 evening set direct -6305 Jan 15 i 04:04 18°**Y**44'47 -6300 Mar 29 j 21:20 0°**∀** -6305 Mar 03 j 13:42 0°8 -6300 Apr 17 j 08:05 11° **)** 49'54 asc. node -6305 Apr 29 j 15:35  $\Pi$ °0 -6305 Jun 14 j 11:16 0ಂತಾ -6300 Apr 28 j 15:54 19°**₩**04'17 0°06'26 conjunction -6305 Jul 26 j 00:05  $0^{\circ}\Omega$ -6300 Apr 28 j 15:40 19°**)**€03'54 0°06'19 minimum elong -6305 Aug 17 j 07:30 -6300 Apr 27 j 21:22 18° ¥ 34'42 desc node 16°**Ω**53'24 behind sun begin -6305 Sep 03 j 07:25 0° M -6300 Apr 29 j 09:58 19°**)** € 33'06 behind sun end -6305 Oct 11 j 16:53 0∘∙თ -6300 May 01 j 02:56 max. Earth dist. 20° **★**38'30 2.66671 AU -6305 Nov 19 j 06:20 0°M -6300 May 15 j 18:46  $0^{\circ}$ -6305 Nov 29 j 08:30 -6300 Jun 14 j 01:24 18°**Y**42'07 7°M44'25 morning rise evening set -6300 Jul 01 j 16:27 -6305 Dec 28 j 21:08 0°×7  $0^{\circ}$ 8 -6300 Aug 17 j 02:33  $0^{\circ}\Pi$ -6304 Jan 29 j 11:42 23°\$\square\$04'06 -1°09'10 -6300 Oct 01 j 23:55 conjunction 0ಂತಾ -6304 Jan 29 j 12:22 -6300 Nov 16 j 18:19 minimum elong 23°**₹**05'17 1°09'34 0 $^{\circ}$  $\Omega$ -6304 Feb 08 j 05:09 -6299 Jan 02 j 12:27 0°ਰ 0° m max. Earth dist. -6304 Mar 07 j 00:21 19°る22'51 2.52744 AU -6299 Feb 23 j 14:19 0∘**⊽** -6304 Mar 22 j 15:08 0°≈ desc. node -6299 Apr 08 j 14:32 15°**£**41'10 morning rise -6304 Mar 26 j 13:29 2°≈38'43 retrograde -6299 Apr 20 j 19:43 16°**♀**38'59 -6304 May 07 j 04:18 0°**)**€ min. Earth dist. -6299 May 19 j 03:24 12°**£**00'43 0.38148 AU -6304 Jun 23 j 20:13  $0^{\circ}\Upsilon$ -6299 May 22 j 01:26 11°**2**13'07 -3°16'16 opposition -6304 Jul 13 j 18:39 12°Y06'50 -6299 May 21 j 14:47 11°**≏**20'22 -2.9m asc. node greatest brilliancy -6304 Aug 13 j 06:29  $0^{\circ}$ 8 -6299 Jun 21 j 01:23 6°**£**09'59 direct -6304 Oct 10 j 02:57  $\Pi^{\circ}0$ -6299 Aug 30 j 12:34 0°M -6304 Dec 07 i 07:39 retrograde 15°**Ⅲ**23'52 -6299 Oct 20 i 02:04 0°×7 -6303 Jan 12 j 17:33 7°**I**30'42 5°24'29 -6299 Dec 06 i 10:50 0°정 opposition greatest brilliancy -6303 Jan 14 j 00:18 7°**Ⅱ**02'08 -1.8m -6298 Jan 22 j 14:17 0°≈ min. Earth dist. -6303 Jan 19 j 21:25 4°**П**51'18 0.56343 AU asc. node -6298 Mar 05 i 03:25 26°≈16'26 -6303 Feb 04 j 16:39 30°R8 -6298 Mar 11 i 01:09 0°\ direct -6303 Feb 21 j 17:36 28°801'27 -6298 Apr 19 j 14:53 25°¥00'31 evening set -6303 Mar 11 j 12:04  $0^{\circ}II$ -6298 Apr 27 j 11:35  $0^{\circ}\Upsilon$ -6303 May 17 j 03:01 0ಂತಾ max. Earth dist. -6298 May 24 j 23:42 17°**Y**34'03 2.65630 AU -6303 Jul 01 j 06:20  $0^{\circ}\Omega$ desc. node -6303 Jul 04 j 07:28 2°Ω10'11 conjunction -6298 Jun 05 j 17:27 25°Υ07'55 0°47'53 -6303 Aug 11 j 01:21  $0^{\circ}$  mb minimum elong -6298 Jun 05 j 16:06 25°**Y**05'44 0°48'00 -6303 Sep 19 j 08:27 0∘**⊽** -6298 Jun 13 j 05:48 0°8 -6303 Oct 28 j 15:37 0°M -6298 Jul 21 j 12:40 25°**8**10'28 morning rise -6303 Dec 07 j 22:52 0° ×7 -6298 Jul 28 j 17:59  $0^{\circ}\Pi$ 0°궁 -6298 Sep 10 j 18:36 0ಂತಾ -6302 Jan 18 j 21:42 4°る24'42 0° $\Omega$ evening set -6302 Jan 25 j 05:38 -6298 Oct 23 j 09:57 -6302 Mar 03 j 18:23 0°≈ -6298 Dec 04 j 00:34 0° m -6297 Jan 14 j 04:57 0∘**⊽** conjunction -6302 Mar 19 j 13:12 10°≈30'05 -0°39'37 desc. node -6297 Feb 24 j 15:41 29°**₽**38'19 minimum elong -6302 Mar 19 j 14:46 10°≈32'40 0°39'55 -6297 Feb 25 j 04:08 0°M max. Earth dist. -6302 Apr 06 j 23:52 22°≈36'27 2.62306 AU -6297 Apr 12 j 00:58 0°**∡**7 -6302 Apr 18 j 08:58 0°**)**€ -6297 Jun 22 j 04:43 26°**₹**04'04 retrograde

•			•	**	6200 DCE in historical a	, ,	2 11
min. Earth dist.	-6297 Jul 21 j 01:37	-	0.48177 AU	desc. node	6399 BCE in historical co -6292 Oct 16 j 04:34	11° <b>m</b> 53'39	
greatest brilliancy	-6297 Jul 27 j 13:57				-6292 Oct 21 j 18:38		2 27007 ATT
	-	18° × 04'20		max. Earth dist.	-0292 Oct 21 J 18:38	10-11/104/	2.37887 AU
opposition	-6297 Jul 29 j 03:40	17° 🗷 30'35	-3-3/38	:	(202.0-+ 20:10-22	220m 17145	0000152
direct	-6297 Aug 31 j 13:11 -6297 Nov 04 j 13:17	10°♂32'42 0°♂		conjunction	-6292 Oct 29 j 10:22	22° Mp 17'45	
	-6297 Dec 30 j 04:50			minimum elong	-6292 Oct 29 j 09:28	22° m 15'59	0-09-46
1-		0°≈ 12°••47!59		behind sun begin	-6292 Oct 28 j 11:10	21° My 32'10	
asc. node	-6296 Jan 21 j 02:50	12° <b>≈</b> 47'58 0° <b>升</b>		behind sun end	-6292 Oct 30 j 07:46	22° m/59'49	
	-6296 Feb 18 j 21:04	0° <b>Υ</b>			-6292 Nov 08 j 05:27	0∘ <b>™</b>	
	-6296 Apr 07 j 17:03				-6292 Dec 16 j 14:20 -6291 Jan 04 j 08:53	0°M	
	-6296 May 24 j 21:28	0°8		morning rise	,	14°M26'18	
evening set	-6296 May 27 j 12:34	1° <b>8</b> 42'25	2.50226 ATT		-6291 Jan 24 j 23:08	ರ°0 7×°0	
max. Earth dist.	-6296 Jun 19 j 11:43	16° <b>8</b> 47'53	2.59336 AU		-6291 Mar 07 j 02:05		
	-6296 Jul 09 j 03:42	$\Pi$ 00			-6291 Apr 19 j 15:33	0° <b>≈</b> 0° <b>∀</b>	
agniumation	6206 Jul 14: 10:20	3° <b>Ⅱ</b> 35'33	1°10'53		-6291 Jun 05 j 11:50	0°Υ	
conjunction	-6296 Jul 14 j 10:30	3° <b>П</b> 34'40	1°11'14	aca mada	-6291 Jul 28 j 07:05	0 <b>γ</b> 19° <b>Υ</b> 33'58	
minimum elong	-6296 Jul 14 j 09:59	3 <u>ய</u> 3440	1 11 14	asc. node	-6291 Sep 12 j 11:37	19 <b>γ</b> 35 38 24° <b>γ</b> 36'23	
	-6296 Aug 21 j 09:15 -6296 Sep 01 j 01:46			retrograde	-6291 Oct 13 j 00:16	24 <b>γ</b> 36 23 15° <b>γ</b> 16'15	2021125
morning rise	1 3	7°937'50		opposition	-6291 Nov 21 j 07:27 -6291 Nov 21 j 10:41	$15^{\circ}$ <b>Y</b> $16^{\circ}$ 15	2°31'35 -1.4m
	-6296 Oct 01 j 18:50	0° <b>N</b>		greatest brilliancy	,	$13^{\circ}$ <b>Y</b> $13.02$ $14^{\circ}$ <b>Y</b> $24'22$	
	-6296 Nov 10 j 19:34	0 <b>்⊽</b> 0 <b>்∭</b>		min. Earth dist.	-6291 Nov 23 j 11:35	5° <b>Υ</b> 17'14	0.66294 AU
desc. node	-6296 Dec 20 j 02:39 -6295 Jan 11 j 14:25			direct	-6290 Jan 01 j 06:49	3 <b>1</b> 1/14	
desc. node	-6295 Jan 28 j 12:08	17° <b>≗</b> 10'57 0° <b>™</b>			-6290 Mar 18 j 23:06 -6290 May 09 j 07:37	0°U	
	,						
	-6295 Mar 10 j 02:56	್ತ 0°⋜			-6290 Jun 22 j 21:59	$0 _{\circ}$ ಬ $_{\circ}$	
	-6295 Apr 22 j 19:30			4 4.	-6290 Aug 03 j 00:30		
ratra ara da	-6295 Jun 14 j 09:35	0°≈ 12°2220142		desc. node	-6290 Sep 03 j 02:04	23° <b>Ω</b> 44'54	
retrograde	-6295 Aug 03 j 19:38	13°≈39'42	0.50(21.41)		-6290 Sep 11 j 03:10	0 <b>ಂ</b> ಹ 0ಂ⊯	
min. Earth dist.	-6295 Sep 07 j 01:49		0.59631 AU		-6290 Oct 19 j 09:21		
opposition	-6295 Sep 12 j 07:21	3°≈47′59		evening set	-6290 Nov 03 j 02:07	11° <b>≏</b> 31'56	
greatest brilliancy	-6295 Sep 11 j 17:40	4°≈01'34 30°Rる	-1./m		-6290 Nov 26 j 19:27	0° <b>M</b> 0° <b>⊀</b> ¹	
direct	-6295 Sep 22 j 10:30 -6295 Oct 19 j 10:12	30 KO 25°る11'12			-6289 Jan 05 j 06:39	0 X.	
direct	-6295 Nov 18 j 04:24	23 <b>3</b> 11 12 0° <b>≈</b>		conjunction	-6289 Jan 06 j 00:02	0° <b>∡</b> ³32'23	1007'27
asc. node	-6295 Dec 08 j 05:08	0 ∞ 7°≈06'32		minimum elong	-6289 Jan 05 j 22:36	0° <b>х</b> 32 23	
asc. node	-6294 Jan 24 j 17:35	/ <b>≈</b> 06 32 0° <b>H</b>		minimum elong	-6289 Feb 15 j 11:12	0 <b>x</b> ・2942 0°る	1 07 40
	-6294 Mar 18 j 09:44	0° <b>Υ</b>		max. Earth dist.	-6289 Feb 19 j 17:13		2.47869 AU
	-6294 May 05 j 22:23	0°8		morning rise	-6289 Mar 07 j 23:01	3 30040 14° <b>3</b> 22'47	2.47809 AU
	-6294 Jun 20 j 11:59	0°II		morning rise	-6289 Mar 30 j 19:23	0°≈	
evening set	-6294 Jul 09 j 02:29	0 Ⅱ 12°Ⅱ46'48			-6289 May 15 j 11:35	0° <b>∺</b>	
max. Earth dist.	-6294 Jul 24 j 16:24	23° <b>II</b> 43'25	2.48550 AU		-6289 Jul 02 j 19:03	0°Υ	
max. Lartii dist.	-6294 Aug 02 j 11:31	0°9	2.46330 AU	asc. node	-6289 Jul 31 j 10:53	16° <b>Y</b> 46'56	
	-02)4 Aug 02 j 11.51	0 3		asc. node	-6289 Aug 24 j 12:11	0°8	
conjunction	-6294 Aug 30 j 08:21	20°©19'41	0°56'53		-6289 Nov 16 j 05:04	0°II	
minimum elong	-6294 Aug 30 j 10:26	20°923'33	0°57'15	retrograde	-6289 Nov 20 j 19:08	0° <b>П</b> 07'38	
minimum ciong	-6294 Sep 12 j 07:28	0° <b>Ω</b>	0 37 13	renograde	-6289 Nov 25 j 07:14	30°R <b>8</b>	
	-6294 Oct 21 j 14:57	0° <b>m</b> )		opposition	-6289 Dec 28 i 07:01	21° <b>8</b> 43'30	4°48'32
morning rise	-6294 Oct 26 j 11:07	3° Mp 44'50		greatest brilliancy	-6289 Dec 29 j 04:28	21° <b>8</b> 22'59	-1.6m
desc. node	-6294 Nov 29 j 10:13	ე° <b>ഫ</b> 11'51		min. Earth dist.	-6288 Jan 03 j 03:43	19° <b>8</b> 28'57	0.60318 AU
dese. Hode	-6294 Nov 29 j 04:08	0∘ <b>ರ</b>		direct	-6288 Feb 07 j 00:31	11° <b>8</b> 53'41	0.00310710
	-6293 Jan 06 j 19:17	0° <b>M</b> .		uncet	-6288 Apr 08 j 00:54	0° <b>Ⅱ</b>	
	-6293 Feb 15 j 09:59	0° <b>∡</b> 7			-6288 May 28 j 23:22	0°9	
	-6293 Mar 28 j 23:47	∘ੰਤ			-6288 Jul 10 j 23:51	$0^{\circ}\Omega$	
	-6293 May 12 j 21:43	0° <b>≈</b>		desc. node	-6288 Jul 21 j 01:54	7° <b>Ω</b> 25'27	
	-6293 Jul 03 j 19:44	0° <b>)</b> €		desc. Hode	-6288 Aug 19 j 23:04	0° m)	
retrograde	-6293 Sep 09 j 00:37	20° <b>)</b> 43′57			-6288 Sep 27 j 18:22	0° <del>ت</del>	
min. Earth dist.	-6293 Oct 17 j 10:32	11° <b>X</b> 30'06	0.66013 AU		-6288 Nov 05 j 15:54	0° <b>M</b>	
opposition	-6293 Oct 18 j 23:59	10° <b>¥</b> 52'19			-6288 Dec 15 j 14:25	0° <b>∡</b> 7	
greatest brilliancy	-6293 Oct 18 j 23:45	10° <b>)</b> € 52'33	-1.4m	evening set	-6287 Jan 04 j 11:20	14° <b>∡</b> ¹29'39	
asc. node	-6293 Oct 26 j 08:50	7° <b>H</b> 57'49		- , J 50t	-6287 Jan 26 j 05:24	0°名	
direct	-6293 Nov 27 j 15:54	1° <b>)</b> 19'47				. •	
	-6292 Feb 21 j 13:57	0°Υ		conjunction	-6287 Mar 01 j 13:27	23° <b>ප්</b> 44'02	-0°54'48
	-6292 Apr 14 j 05:16	0°8		minimum elong	-6287 Mar 01 j 15:20	23° <b>ප්</b> 47'14	
	-6292 May 31 j 00:53	0°II		3,0,18	-6287 Mar 10 j 20:03	0°≈	*
	-6292 Jul 13 j 06:58	0°e		max. Earth dist.	-6287 Mar 27 j 03:08	10°≈52'43	2.59129 AU
	-6292 Aug 22 j 23:30	0°N		morning rise	-6287 Apr 22 j 18:24	28° <b>≈</b> 20'01	
evening set	-6292 Aug 29 j 08:33	4° <b>£</b> 50′01		J	-6287 Apr 25 j 08:07	0° <b>)</b> €	
<b>5</b>	-6292 Sep 30 j 23:47	0° <b>m</b> )			-6287 Jun 11 j 09:48	0° <b>Υ</b>	
	1 3	-			,		

Attention astronom	nical year style is used: Th	a voor 6308 i	n actronomical co	unting style is the year	6300 BCE in historical of	ounting style	
asc. node	-6287 Jun 17 j 06:35	e year -6398 i 3° <b>Y</b> 40'46	n astronomicai co	greatest brilliancy	-6282 Jul 04 j 07:16	25° <b>M</b> .18'00	2.5m
asc. Houe	-6287 Jul 29 j 21:12	0° <b>と</b>		-		24°M46'10	
	-			opposition	-6282 Jul 05 j 22:21		-0-05/25
	-6287 Sep 18 j 15:15	0° <b>©</b> 0° <b>I</b>		direct	-6282 Aug 06 j 12:45	18° <b>M</b> .40'55 0° <b>⋌</b> ¹	
	-6287 Nov 16 j 05:45				-6282 Sep 21 j 22:35		
retrograde	-6286 Jan 08 j 13:56	13°926'56	5922142		-6282 Nov 19 j 02:54	0°る	
opposition	-6286 Feb 11 j 21:12		5°32'42	1	-6281 Jan 08 j 16:49	0°≈ 170 12150	
greatest brilliancy	-6286 Feb 13 j 13:08	6°901'22	-2.2m 0.48882 AU	asc. node	-6281 Feb 06 j 17:57	17°≈42'50	
min. Earth dist.	-6286 Feb 20 j 06:45	3°543'59	0.48882 AU		-6281 Feb 26 j 17:06	0° <b>∀</b> 0° <b>Υ</b>	
t' .	-6286 Mar 05 j 12:31	30°RⅡ			-6281 Apr 15 j 20:38		
direct	-6286 Mar 21 j 15:20	28° <b>Ⅱ</b> 12'08		evening set	-6281 May 13 j 05:22	17° <b>Y</b> 22'15	
	-6286 Apr 07 j 05:54	0°9		E d Ed	-6281 Jun 01 j 19:28	0°8	2 (2200 AII
desc. node	-6286 Jun 08 j 02:55	28°504'16		max. Earth dist.	-6281 Jun 09 j 16:28	5° <b>O</b> 0/52	2.62390 AU
	-6286 Jun 11 j 05:30	0° <b>N</b>			(201 I 20 : 11 57	100 🔾 11124	1005100
	-6286 Jul 25 j 12:04	0° <b>m</b> )		conjunction	-6281 Jun 29 j 11:57	18° <b>8</b> 11'24	
	-6286 Sep 04 j 10:39	0∘ <b>™</b>		minimum elong	-6281 Jun 29 j 10:50	18° <b>8</b> 09'33	1-05/25
	-6286 Oct 14 j 19:54	0°M 0°.₹			-6281 Jul 17 j 02:47	0°II	
	-6286 Nov 24 j 23:28	0° <b>∡</b>		morning rise	-6281 Aug 15 j 12:20	20° <b>Ⅱ</b> 08'55	
	-6285 Jan 06 j 14:23	5°0			-6281 Aug 29 j 14:13	0° <b>©</b>	
	-6285 Feb 19 j 22:51	0° <b>≈</b>			-6281 Oct 10 j 09:06	0°O	
evening set	-6285 Feb 23 j 02:23	2°≈05'12			-6281 Nov 19 j 21:11	0° <b>m</b> )	
	-6285 Apr 06 j 19:41	0° <b>ℋ</b>			-6281 Dec 29 j 16:50	0° <b>⊽</b>	
				desc. node	-6280 Jan 29 j 08:07	23° <b>⊆</b> 02'00	
conjunction	-6285 Apr 14 j 07:28	4° <b>)</b> (49'43			-6280 Feb 07 j 16:51	0° <b>M</b>	
minimum elong	-6285 Apr 14 j 07:57	4° <b>¥</b> 50′29	0°11'57		-6280 Mar 20 j 06:47	0° <b>∡</b> ¹	
behind sun begin	-6285 Apr 13 j 18:35	4° <b>∺</b> 29'00		_	-6280 May 05 j 12:54	0° <b>る</b>	
behind sun end	-6285 Apr 14 j 21:18	5° <b>)</b> 11′58		retrograde	-6280 Jul 19 j 04:46	27° <b>る</b> 07'34	
max. Earth dist.	-6285 Apr 22 j 19:28		2.65592 AU	min. Earth dist.	-6280 Aug 20 j 11:05	20° <b>ට</b> 05'01	0.55606 AU
asc. node	-6285 May 05 j 01:49	18° <b>)</b> €08'55		greatest brilliancy	-6280 Aug 26 j 01:26		-1.9m
	-6285 May 23 j 15:27	0° <b>Υ</b>		opposition	-6280 Aug 27 j 00:35	17° <b>る</b> 32'40	-4°32'01
morning rise	-6285 May 31 j 17:25	5° <b>Y</b> ′08′57		direct	-6280 Oct 01 j 19:40	9° <b>ප</b> 28'20	
	-6285 Jul 09 j 18:38	0°B			-6280 Dec 09 j 09:40	0° <b>≈</b>	
	-6285 Aug 25 j 20:48	$\Pi$ °0		asc. node	-6280 Dec 24 j 19:18	7°≈39'44	
	-6285 Oct 12 j 03:37	0°©			-6279 Feb 03 j 16:01	0° <b>∀</b>	
	-6285 Nov 29 j 18:35	$0$ $\circ$ $\Omega$			-6279 Mar 26 j 07:57	0° <b>Υ</b>	
_	-6284 Jan 23 j 07:34	0° <b>m</b> )		_	-6279 May 13 j 04:39	0° <b>8</b>	
retrograde	-6284 Mar 20 j 12:19	16° m 12'32		evening set	-6279 Jun 21 j 17:33	26° <b>8</b> 02'18	
opposition	-6284 Apr 20 j 04:15	11° <b>m</b> )07'07			-6279 Jun 27 j 14:04	$0^{\circ}\Pi$	
greatest brilliancy	-6284 Apr 20 j 05:51	11° Mp 06'02		max. Earth dist.	-6279 Jul 09 j 00:13		2.53201 AU
min. Earth dist.	-6284 Apr 22 j 15:38	10° Mp 26'59	0.38304 AU		-6279 Aug 09 j 15:05	$0$ $\circ$	
desc. node	-6284 Apr 25 j 06:00	9° <b>m</b> 45'30					
direct	-6284 May 21 j 07:13	5° m 45'44		conjunction	-6279 Aug 10 j 17:57	0°5548'04	
	-6284 Jul 29 j 17:44	0∘ <b>⊽</b>		minimum elong	-6279 Aug 10 j 19:01	0°549'59	1°08'38
	-6284 Sep 16 j 02:25	0° <b>M</b> .			6270 Cap 10 i 15:16		
	-6284 Oct 31 j 06:42	0° <b>∡</b> ¹			-6279 Sep 19 j 15:16	0° <b>Ω</b>	
				morning rise	-6279 Oct 02 j 17:50	9° <b>Ω</b> 50'47	
	-6284 Dec 15 j 09:56	0°⋜		morning rise	-6279 Oct 02 j 17:50 -6279 Oct 29 j 04:05	9° <b>Ω</b> 50'47 0° <b>m</b>	
	-6283 Jan 30 j 09:17	ರ°0 š0		-	-6279 Oct 02 j 17:50 -6279 Oct 29 j 04:05 -6279 Dec 06 j 22:36	9° <b>Ω</b> 50'47 0° <b>m</b> 0° <b>⊆</b>	
	-6283 Jan 30 j 09:17 -6283 Mar 18 j 04:53	ರ°0 š0 ¥°0		morning rise  desc. node	-6279 Oct 02 j 17:50 -6279 Oct 29 j 04:05 -6279 Dec 06 j 22:36 -6279 Dec 16 j 05:13	9° <b>Ω</b> 50'47 0° <b>m</b> 0° <b>⊆</b> 7° <b>⊆</b> 11'50	
asc. node	-6283 Jan 30 j 09:17 -6283 Mar 18 j 04:53 -6283 Mar 21 j 20:36	0°중 0°≈ 0°升 2°升19'38		-	-6279 Oct 02 j 17:50 -6279 Oct 29 j 04:05 -6279 Dec 06 j 22:36 -6279 Dec 16 j 05:13 -6278 Jan 14 j 18:37	9° <b>Ω</b> 50'47 0° <b>ጥ</b> 0° <b>Ω</b> 7° <b>Ω</b> 11'50 0° <b>ጤ</b>	
asc. node evening set	-6283 Jan 30 j 09:17 -6283 Mar 18 j 04:53 -6283 Mar 21 j 20:36 -6283 Apr 04 j 11:39	0°云 0°≈ 0°光 2°升19'38 10°升59'44		-	-6279 Oct 02 j 17:50 -6279 Oct 29 j 04:05 -6279 Dec 06 j 22:36 -6279 Dec 16 j 05:13 -6278 Jan 14 j 18:37 -6278 Feb 23 j 14:57	9° <b>Ω</b> 50'47 0° <b>m</b> 0° <b>Ω</b> 7° <b>Ω</b> 11'50 0° <b>M</b> 0° <b>⊀</b>	
evening set	-6283 Jan 30 j 09:17 -6283 Mar 18 j 04:53 -6283 Mar 21 j 20:36 -6283 Apr 04 j 11:39 -6283 May 04 j 08:27	0°₹ 0°≈ 0°¥ 2°¥19'38 10°¥59'44 0°Υ		-	-6279 Oct 02 j 17:50 -6279 Oct 29 j 04:05 -6279 Dec 06 j 22:36 -6279 Dec 16 j 05:13 -6278 Jan 14 j 18:37 -6278 Feb 23 j 14:57 -6278 Apr 06 j 15:40	9° № 50'47 0° № 0° Ω 7° Ω 11'50 0° № 0° % 0° %	
	-6283 Jan 30 j 09:17 -6283 Mar 18 j 04:53 -6283 Mar 21 j 20:36 -6283 Apr 04 j 11:39	0°₹ 0°≈ 0°¥ 2°¥19'38 10°¥59'44 0°Υ	2.66668 AU	-	-6279 Oct 02 j 17:50 -6279 Oct 29 j 04:05 -6279 Dec 06 j 22:36 -6279 Dec 16 j 05:13 -6278 Jan 14 j 18:37 -6278 Feb 23 j 14:57 -6278 Apr 06 j 15:40 -6278 May 22 j 21:55	9° \$\alpha 50'47 0° \$\mathbf{m}\$ 0° \$\mathbf{n}\$ 7° \$\mathbf{n}\$ 11'50 0° \$\mathbf{m}\$ 0° \$\mathbf{n}\$ 0° \$\mathbf{n}\$ 0° \$\mathbf{m}\$	
evening set max. Earth dist.	-6283 Jan 30 j 09:17 -6283 Mar 18 j 04:53 -6283 Mar 21 j 20:36 -6283 Apr 04 j 11:39 -6283 May 04 j 08:27 -6283 May 15 j 14:57	0°云 0°≈ 0°升 2°升19'38 10°升59'44 0°℃ 7°℃11'36		desc. node	-6279 Oct 02 j 17:50 -6279 Oct 29 j 04:05 -6279 Dec 06 j 22:36 -6279 Dec 16 j 05:13 -6278 Jan 14 j 18:37 -6278 Feb 23 j 14:57 -6278 Apr 06 j 15:40 -6278 May 22 j 21:55 -6278 Jul 21 j 12:44	9° \$\alpha 50'47 0° \$\mathbf{m}\$ 0° \$\mathbf{n}\$ 0° \$\mathbf{m}\$ 0° \$\mathbf{n}\$ 0° \$\mathbf{n}\$ 0° \$\mathbf{n}\$ 0° \$\mathbf{m}\$ 0° \$\mathbf{n}\$ 0° \$\mathbf{m}\$	
evening set max. Earth dist. conjunction	-6283 Jan 30 j 09:17 -6283 Mar 18 j 04:53 -6283 Mar 21 j 20:36 -6283 Apr 04 j 11:39 -6283 May 04 j 08:27 -6283 May 15 j 14:57 -6283 May 21 j 23:27	0°₹ 0°₩ 2°₩19'38 10°₩59'44 0°Ψ 7°¥11'36	0°33'12	-	-6279 Oct 02 j 17:50 -6279 Oct 29 j 04:05 -6279 Dec 06 j 22:36 -6279 Dec 16 j 05:13 -6278 Jan 14 j 18:37 -6278 Feb 23 j 14:57 -6278 Apr 06 j 15:40 -6278 May 22 j 21:55 -6278 Jul 21 j 12:44 -6278 Aug 26 j 09:30	9° \$\alpha 50'47 0° \$\text{m}\$ 0° \$\sigma\$ 7° \$\sigma 11'50 0° \$\mathbb{K}\$ 0° \$\mathbb{K}\$ 0° \$\mathbb{K}\$ 7° \$\mathbb{H}\$ 11'10	
evening set max. Earth dist.	-6283 Mar 18 j 04:53 -6283 Mar 21 j 20:36 -6283 Apr 04 j 11:39 -6283 May 04 j 08:27 -6283 May 15 j 14:57 -6283 May 21 j 23:27 -6283 May 21 j 22:21	0°₹ 0°₩ 2°₩19'38 10°₩59'44 0°Ψ 7°¥11'36 11°¥15'22 11°¥13'36		desc. node	-6279 Oct 02 j 17:50 -6279 Oct 29 j 04:05 -6279 Dec 06 j 22:36 -6279 Dec 16 j 05:13 -6278 Jan 14 j 18:37 -6278 Feb 23 j 14:57 -6278 Apr 06 j 15:40 -6278 May 22 j 21:55 -6278 Jul 21 j 12:44 -6278 Aug 26 j 09:30 -6278 Sep 28 j 10:17	9° \$\alpha 50'47 0° \$\mathbf{n}\$ 0° \$\sigma \text{11'50} 0° \$\mathbf{n}\$ 0° \$\mathbf{n}\$ 0° \$\mathbf{n}\$ 0° \$\mathbf{n}\$ 0° \$\mathbf{n}\$ 7° \$\mathbf{11'10} 30° \$\mathbf{k}\$	
evening set  max. Earth dist.  conjunction  minimum elong	-6283 Jan 30 j 09:17 -6283 Mar 18 j 04:53 -6283 Mar 21 j 20:36 -6283 Apr 04 j 11:39 -6283 May 04 j 08:27 -6283 May 15 j 14:57 -6283 May 21 j 23:27 -6283 May 21 j 22:21 -6283 Jun 20 j 02:29	0°₩ 0°₩ 2°₩19'38 10°₩59'44 0°Ψ 7°Ψ11'36 11°Ψ15'22 11°Ψ13'36 0°₩	0°33'12	desc. node retrograde min. Earth dist.	-6279 Oct 02 j 17:50 -6279 Oct 29 j 04:05 -6279 Dec 06 j 22:36 -6279 Dec 16 j 05:13 -6278 Jan 14 j 18:37 -6278 Feb 23 j 14:57 -6278 Apr 06 j 15:40 -6278 May 22 j 21:55 -6278 Jul 21 j 12:44 -6278 Aug 26 j 09:30 -6278 Sep 28 j 10:17 -6278 Oct 02 j 07:56	9° \$\alpha 50'47 0° \$\mathbf{n}\$ 0° \$\sigma \text{11'50} 0° \$\mathbf{n}\$ 0° \$\mathbf{n}\$ 0° \$\mathbf{n}\$ 0° \$\mathbf{n}\$ 7° \$\mathbf{11'10}\$ 30° \$\mathbf{n}\$ 28° \$\alpha 27'14	0.64229 AU
evening set max. Earth dist. conjunction	-6283 Jan 30 j 09:17 -6283 Mar 18 j 04:53 -6283 Mar 21 j 20:36 -6283 Apr 04 j 11:39 -6283 May 04 j 08:27 -6283 May 15 j 14:57 -6283 May 21 j 23:27 -6283 May 21 j 22:21 -6283 Jun 20 j 02:29 -6283 Jul 06 j 16:20	0°₩ 0°₩ 2°₩19'38 10°₩59'44 0°Ψ 7°Ψ'11'36 11°Ψ'15'22 11°Ψ'13'36 0°₩ 10°₩46'41	0°33'12	desc. node  retrograde  min. Earth dist. opposition	-6279 Oct 02 j 17:50 -6279 Oct 29 j 04:05 -6279 Dec 06 j 22:36 -6279 Dec 16 j 05:13 -6278 Jan 14 j 18:37 -6278 Feb 23 j 14:57 -6278 Apr 06 j 15:40 -6278 May 22 j 21:55 -6278 Jul 21 j 12:44 -6278 Aug 26 j 09:30 -6278 Sep 28 j 10:17 -6278 Oct 02 j 07:56 -6278 Oct 05 j 08:16	9° \$\alpha 50'47 0° \$\mathbf{n}\$ 0° \$\sigma 11'50 0° \$\mathbf{n}\$ 0° \$\mathbf{n}\$ 0° \$\mathbf{n}\$ 0° \$\mathbf{n}\$ 0° \$\mathbf{n}\$ 0° \$\mathbf{n}\$ 28° \$\alpha 27'14 27° \$\alpha 14'21	-1°27'26
evening set  max. Earth dist.  conjunction  minimum elong	-6283 Jan 30 j 09:17 -6283 Mar 18 j 04:53 -6283 Mar 21 j 20:36 -6283 Apr 04 j 11:39 -6283 May 04 j 08:27 -6283 May 15 j 14:57 -6283 May 21 j 23:27 -6283 May 21 j 22:21 -6283 Jun 20 j 02:29 -6283 Jul 06 j 16:20 -6283 Aug 04 j 21:07	0°₩ 0°₩ 2°₩19'38 10°₩59'44 0°Ψ 7°Ψ11'36 11°Ψ15'22 11°Ψ13'36 0°₩ 10°₩46'41 0°Ш	0°33'12	desc. node  retrograde  min. Earth dist. opposition greatest brilliancy	-6279 Oct 02 j 17:50 -6279 Oct 29 j 04:05 -6279 Dec 06 j 22:36 -6279 Dec 16 j 05:13 -6278 Jan 14 j 18:37 -6278 Feb 23 j 14:57 -6278 Apr 06 j 15:40 -6278 May 22 j 21:55 -6278 Jul 21 j 12:44 -6278 Aug 26 j 09:30 -6278 Sep 28 j 10:17 -6278 Oct 02 j 07:56 -6278 Oct 05 j 08:16 -6278 Oct 05 j 04:57	9° \$\alpha 50'47 0° \$\mathbf{n}\$ 0° \$\sigma \text{11'50} 0° \$\mathbf{n}\$ 28° \$\mathbf{n}\$ 28° \$\mathbf{n}\$ 27' \$\mathbf{n}\$ 27' \$\mathbf{n}\$ 21' 27' \$\mathbf{n}\$ 21' 42	-1°27'26
evening set  max. Earth dist.  conjunction  minimum elong	-6283 Jan 30 j 09:17 -6283 Mar 18 j 04:53 -6283 Mar 21 j 20:36 -6283 Apr 04 j 11:39 -6283 May 04 j 08:27 -6283 May 15 j 14:57 -6283 May 21 j 23:27 -6283 May 21 j 22:21 -6283 Jun 20 j 02:29 -6283 Jul 06 j 16:20 -6283 Aug 04 j 21:07 -6283 Sep 18 j 11:08	0°₹ 0°≈ 0°¥ 2°¥19'38 10°¥59'44 0°Y 7°Y11'36 11°Y15'22 11°Y13'36 0°℧ 10°℧46'41 0°Ⅲ	0°33'12	desc. node  retrograde  min. Earth dist. opposition greatest brilliancy asc. node	-6279 Oct 02 j 17:50 -6279 Oct 29 j 04:05 -6279 Dec 06 j 22:36 -6279 Dec 16 j 05:13 -6278 Jan 14 j 18:37 -6278 Feb 23 j 14:57 -6278 May 22 j 21:55 -6278 Jul 21 j 12:44 -6278 Aug 26 j 09:30 -6278 Sep 28 j 10:17 -6278 Oct 02 j 07:56 -6278 Oct 05 j 08:16 -6278 Oct 05 j 04:57 -6278 Nov 11 j 22:31	9° \$\alpha 50'47 0° \$\mathbf{n}\$ 0° \$\sigma \text{11'50} 0° \$\mathbf{n}\$ 20° \$\mathbf{n}\$ 28° \$\mathbf{n}\$ 27'14 27° \$\mathbf{n}\$ 14'21 27° \$\mathbf{n}\$ 17'42 18° \$\mathbf{n}\$ 00'25	-1°27'26
evening set  max. Earth dist.  conjunction  minimum elong	-6283 Jan 30 j 09:17 -6283 Mar 18 j 04:53 -6283 Mar 21 j 20:36 -6283 Apr 04 j 11:39 -6283 May 04 j 08:27 -6283 May 15 j 14:57 -6283 May 21 j 23:27 -6283 Jun 20 j 02:29 -6283 Jul 06 j 16:20 -6283 Aug 04 j 21:07 -6283 Sep 18 j 11:08 -6283 Oct 31 j 23:14	0°₩ 0°₩ 2°₩19'38 10°₩59'44 0°Ψ 7°Ψ11'36 11°Ψ15'22 11°Ψ13'36 0°₩ 10°₩46'41 0°Ⅲ 0°₩ 0°₩	0°33'12	desc. node  retrograde  min. Earth dist. opposition greatest brilliancy	-6279 Oct 02 j 17:50 -6279 Oct 29 j 04:05 -6279 Dec 06 j 22:36 -6279 Dec 16 j 05:13 -6278 Jan 14 j 18:37 -6278 Feb 23 j 14:57 -6278 May 22 j 21:55 -6278 Jul 21 j 12:44 -6278 Aug 26 j 09:30 -6278 Sep 28 j 10:17 -6278 Oct 02 j 07:56 -6278 Oct 05 j 08:16 -6278 Nov 11 j 22:31 -6278 Nov 13 j 03:43	9° \$\alpha 50'47 0° \$\mathbf{n}\$ 0° \$\sigma \text{11'50} 0° \$\mathbf{n}\$ 20° \$\mathbf{n}\$ 28° \$\mathbf{n}\$ 27'14 27° \$\mathbf{n}\$ 14'21 27° \$\mathbf{n}\$ 17'42 18° \$\mathbf{n}\$ 00'25 17° \$\mathbf{n}\$ 59'52	-1°27'26
evening set  max. Earth dist.  conjunction  minimum elong	-6283 Jan 30 j 09:17 -6283 Mar 18 j 04:53 -6283 Mar 21 j 20:36 -6283 Apr 04 j 11:39 -6283 May 04 j 08:27 -6283 May 15 j 14:57 -6283 May 21 j 23:27 -6283 May 21 j 22:21 -6283 Jun 20 j 02:29 -6283 Jul 06 j 16:20 -6283 Aug 04 j 21:07 -6283 Sep 18 j 11:08 -6283 Oct 31 j 23:14 -6283 Dec 13 j 18:50	0°₹ 0°% 0°¥ 2°¥19'38 10°¥59'44 0°° 7°°Y11'36 11°°Y15'22 11°°Y13'36 0°\$ 10°\$46'41 0°\$ 0°\$ 0°\$ 0°\$ 0°\$	0°33'12	desc. node  retrograde  min. Earth dist. opposition greatest brilliancy asc. node	-6279 Oct 02 j 17:50 -6279 Oct 29 j 04:05 -6279 Dec 06 j 22:36 -6279 Dec 16 j 05:13 -6278 Jan 14 j 18:37 -6278 Feb 23 j 14:57 -6278 Apr 06 j 15:40 -6278 May 22 j 21:55 -6278 Jul 21 j 12:44 -6278 Aug 26 j 09:30 -6278 Oct 02 j 07:56 -6278 Oct 05 j 08:16 -6278 Nov 11 j 22:31 -6278 Nov 13 j 03:43 -6277 Jan 02 j 13:20	9° \$\alpha 50'47 0° \$\mathbf{m}\$ 0° \$\alpha\$ 7° \$\alpha 11'50 0° \$\mathbf{m}\$ 0° \$\mathbf{m}\$ 0° \$\mathbf{m}\$ 0° \$\mathbf{m}\$ 0° \$\mathbf{m}\$ 0° \$\mathbf{m}\$ 7° \$\mathbf{H} 11'10 30° \$\mathbf{m}\$ 28° \$\alpha 27' \$\mathbf{m} 14'21 27° \$\alpha 17'42 18° \$\alpha 00'25 17° \$\alpha 59'52 0° \$\mathbf{H}\$	-1°27'26
evening set  max. Earth dist.  conjunction  minimum elong	-6283 Jan 30 j 09:17 -6283 Mar 18 j 04:53 -6283 Mar 21 j 20:36 -6283 Apr 04 j 11:39 -6283 May 04 j 08:27 -6283 May 15 j 14:57 -6283 May 21 j 23:27 -6283 May 21 j 23:27 -6283 Jun 20 j 02:29 -6283 Jul 06 j 16:20 -6283 Aug 04 j 21:07 -6283 Sep 18 j 11:08 -6283 Oct 31 j 23:14 -6283 Dec 13 j 18:50 -6282 Jan 25 j 16:55	0°₹ 0°% 0°¥ 2°¥19'38 10°¥59'44 0°Υ 7°Υ11'36 11°Υ15'22 11°Υ13'36 0°\$ 10°\$46'41 0°\$ 0°\$ 0°\$ 0°\$ 0°\$ 0°\$ 0°\$ 0°\$ 0°\$	0°33'12	desc. node  retrograde  min. Earth dist. opposition greatest brilliancy asc. node	-6279 Oct 02 j 17:50 -6279 Oct 29 j 04:05 -6279 Dec 06 j 22:36 -6279 Dec 16 j 05:13 -6278 Feb 23 j 14:57 -6278 Apr 06 j 15:40 -6278 May 22 j 21:55 -6278 Jul 21 j 12:44 -6278 Aug 26 j 09:30 -6278 Oct 02 j 07:56 -6278 Oct 05 j 08:16 -6278 Nov 11 j 22:31 -6278 Nov 13 j 03:43 -6277 Jan 02 j 13:20 -6277 Mar 03 j 21:49	9°\$\Omega_50'47 0°\$\mathbf{n}\$ 0°\$\mathbf{n}\$ 0°\$\mathbf{n}\$ 0°\$\mathbf{n}\$ 0°\$\mathbf{n}\$ 0°\$\mathbf{n}\$ 0°\$\mathbf{n}\$ 0°\$\mathbf{n}\$ 0°\$\mathbf{n}\$ 7°\$ <b>1</b> 1'10 30°\$\mathbf{n}\$ 28°\$\mathbf{n}\$27'14 27°\$\mathbf{n}\$14'21 27°\$\mathbf{n}\$17'42 18°\$\mathbf{n}\$00'25 17°\$\mathbf{n}\$59'52 0°\$\mathbf{n}\$ 0°\$\mathbf{v}\$	-1°27'26
evening set  max. Earth dist.  conjunction  minimum elong  morning rise	-6283 Jan 30 j 09:17 -6283 Mar 18 j 04:53 -6283 Mar 21 j 20:36 -6283 Apr 04 j 11:39 -6283 May 04 j 08:27 -6283 May 15 j 14:57 -6283 May 21 j 23:27 -6283 May 21 j 23:27 -6283 May 21 j 22:21 -6283 Jun 20 j 02:29 -6283 Jul 06 j 16:20 -6283 Aug 04 j 21:07 -6283 Sep 18 j 11:08 -6283 Oct 31 j 23:14 -6283 Dec 13 j 18:50 -6282 Jan 25 j 16:55 -6282 Mar 11 j 23:09	0°₹ 0°≈ 0° H 2° H 19'38 10° H 59'44 0° Υ 7° Υ 11'36 11° Υ 15'22 11° Υ 13'36 0° ႘ 10° ႘ 46'41 0° Π 0° Ω 0° ᠓ 0° ᠓ 0° ᠓	0°33'12	desc. node  retrograde  min. Earth dist. opposition greatest brilliancy asc. node	-6279 Oct 02 j 17:50 -6279 Oct 29 j 04:05 -6279 Dec 06 j 22:36 -6279 Dec 16 j 05:13 -6278 Jan 14 j 18:37 -6278 Feb 23 j 14:57 -6278 Apr 06 j 15:40 -6278 May 22 j 21:55 -6278 Jul 21 j 12:44 -6278 Aug 26 j 09:30 -6278 Sep 28 j 10:17 -6278 Oct 02 j 07:56 -6278 Oct 05 j 08:16 -6278 Nov 11 j 22:31 -6278 Nov 13 j 03:43 -6277 Jan 02 j 13:20 -6277 Mar 03 j 21:49 -6277 Apr 23 j 08:26	9°\$\alpha\$50'47 0°\$\bar{m}\$ 0°\$\sigma\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 7°\$\mathbb{M}\$11'10 30°\$\mathbb{M}\$ 28°\$\mathbb{M}\$27'14 27°\$\mathbb{M}\$14'21 27°\$\mathbb{M}\$14'21 27°\$\mathbb{M}\$14'21 27°\$\mathbb{M}\$14'21 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$	-1°27'26
evening set  max. Earth dist.  conjunction  minimum elong	-6283 Jan 30 j 09:17 -6283 Mar 18 j 04:53 -6283 Mar 21 j 20:36 -6283 Apr 04 j 11:39 -6283 May 04 j 08:27 -6283 May 15 j 14:57 -6283 May 21 j 23:27 -6283 May 21 j 23:27 -6283 May 21 j 22:21 -6283 Jun 20 j 02:29 -6283 Jul 06 j 16:20 -6283 Aug 04 j 21:07 -6283 Sep 18 j 11:08 -6283 Oct 31 j 23:14 -6283 Dec 13 j 18:50 -6282 Jan 25 j 16:55 -6282 Mar 11 j 23:09 -6282 Mar 13 j 09:22	0°₹ 0°≈ 0°°¥ 2°¥19'38 10°¥59'44 0°°Y 7°°Y11'36 11°°Y15'22 11°°Y13'36 0°∀ 10°∀46'41 0°° 0°Ω 0°™ 0°© 0°™ 0°™ 0°™	0°33'12	desc. node  retrograde  min. Earth dist. opposition greatest brilliancy asc. node	-6279 Oct 02 j 17:50 -6279 Oct 29 j 04:05 -6279 Dec 06 j 22:36 -6279 Dec 16 j 05:13 -6278 Jan 14 j 18:37 -6278 Feb 23 j 14:57 -6278 Apr 06 j 15:40 -6278 May 22 j 21:55 -6278 Jul 21 j 12:44 -6278 Aug 26 j 09:30 -6278 Sep 28 j 10:17 -6278 Oct 02 j 07:56 -6278 Oct 05 j 08:16 -6278 Nov 11 j 22:31 -6278 Nov 13 j 03:43 -6277 Jan 02 j 13:20 -6277 Mar 03 j 21:49 -6277 Apr 23 j 08:26 -6277 Jun 08 j 13:01	9°\$\alpha 50'47 0°\$\text{m}\$ 0°\$\sigma\$ 0°\$\text{m}\$ 0°\$\text{m}\$ 0°\$\text{m}\$ 0°\$\text{m}\$ 0°\$\text{m}\$ 0°\$\text{m}\$ 0°\$\text{m}\$ 0°\$\text{m}\$ 7°\$\text{m}\$11'10 30°\$\text{m}\$ 28°\$\text{m}\$27'14 27°\$\text{m}\$14'21 27°\$\text{m}\$14'21 27°\$\text{m}\$17'42 18°\$\text{m}\$00'25 17°\$\text{m}\$59'52 0°\$\text{m}\$ 0°\$\text{m}\$ 0°\$\text{m}\$ 0°\$\text{m}\$ 0°\$\text{m}\$	-1°27'26
evening set  max. Earth dist.  conjunction  minimum elong  morning rise  desc. node	-6283 Jan 30 j 09:17 -6283 Mar 18 j 04:53 -6283 Mar 21 j 20:36 -6283 Apr 04 j 11:39 -6283 May 04 j 08:27 -6283 May 15 j 14:57 -6283 May 21 j 23:27 -6283 May 21 j 22:21 -6283 Jun 20 j 02:29 -6283 Jul 06 j 16:20 -6283 Aug 04 j 21:07 -6283 Sep 18 j 11:08 -6283 Oct 31 j 23:14 -6283 Dec 13 j 18:50 -6282 Jan 25 j 16:55 -6282 Mar 11 j 23:09 -6282 Mar 13 j 09:22 -6282 May 14 j 04:17	0°₹ 0°% 0°% 2°¥19'38 10°¥59'44 0°Y 7°Y11'36 11°Y15'22 11°Y13'36 0°\$ 10°\$46'41 0°\$ 0°\$ 0°\$ 0°\$ 0°\$ 0°\$ 0°\$ 0°\$ 0°\$ 0°\$	0°33'12	desc. node  retrograde  min. Earth dist. opposition greatest brilliancy asc. node direct	-6279 Oct 02 j 17:50 -6279 Oct 29 j 04:05 -6279 Dec 06 j 22:36 -6279 Dec 16 j 05:13 -6278 Jan 14 j 18:37 -6278 Feb 23 j 14:57 -6278 Apr 06 j 15:40 -6278 May 22 j 21:55 -6278 Jul 21 j 12:44 -6278 Aug 26 j 09:30 -6278 Sep 28 j 10:17 -6278 Oct 02 j 07:56 -6278 Oct 05 j 08:16 -6278 Nov 13 j 03:43 -6277 Jan 02 j 13:20 -6277 Mar 03 j 21:49 -6277 Apr 23 j 08:26 -6277 Jun 08 j 13:01 -6277 Jul 21 j 15:27	9°\$\Omega_50'47 0°\$\pi\$ 0°\$\sigma 7°\$\Delta_11'50 0°\$\mathbb{N}\$ 0°\$\mathbb{N}\$ 0°\$\mathbb{N}\$ 0°\$\mathbb{N}\$ 7°\$\mathbb{H}_11'10 30°\$\mathbb{N}\$ 28°\$\mathbb{N}_27'14 27°\$\mathbb{H}_211 27°\$\mathbb{N}_14'21 27°\$\mathbb{N}_14'21 27°\$\mathbb{N}_14'21 27°\$\mathbb{N}_14'21 27°\$\mathbb{N}_14'21 0°\$\mathbb{N}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$	-1°27'26
evening set  max. Earth dist.  conjunction  minimum elong  morning rise	-6283 Jan 30 j 09:17 -6283 Mar 18 j 04:53 -6283 Mar 21 j 20:36 -6283 Apr 04 j 11:39 -6283 May 04 j 08:27 -6283 May 15 j 14:57 -6283 May 21 j 23:27 -6283 May 21 j 23:27 -6283 May 21 j 22:21 -6283 Jun 20 j 02:29 -6283 Jul 06 j 16:20 -6283 Aug 04 j 21:07 -6283 Sep 18 j 11:08 -6283 Oct 31 j 23:14 -6283 Dec 13 j 18:50 -6282 Jan 25 j 16:55 -6282 Mar 11 j 23:09 -6282 Mar 13 j 09:22 -6282 May 14 j 04:17 -6282 May 31 j 22:50	0°₹ 0° × 0° × 2° × 19'38 10° × 59'44 0° Υ 7° Υ 11'36 11° Υ 15'22 11° Υ 13'36 0° ϒ 10° ϒ 46'41 0° Π 0° Φ 0° Π 0° Μ 0° Ω 0° Μ 0° Μ 2° Χ 2° Χ 09'59	0°33'12	retrograde min. Earth dist. opposition greatest brilliancy asc. node direct	-6279 Oct 02 j 17:50 -6279 Oct 29 j 04:05 -6279 Dec 06 j 22:36 -6279 Dec 16 j 05:13 -6278 Jan 14 j 18:37 -6278 Feb 23 j 14:57 -6278 Apr 06 j 15:40 -6278 May 22 j 21:55 -6278 Jul 21 j 12:44 -6278 Aug 26 j 09:30 -6278 Sep 28 j 10:17 -6278 Oct 02 j 07:56 -6278 Oct 05 j 08:16 -6278 Oct 05 j 04:57 -6278 Nov 11 j 22:31 -6278 Nov 13 j 03:43 -6277 Jan 02 j 13:20 -6277 Mar 03 j 21:49 -6277 Jun 08 j 13:01 -6277 Jul 21 j 15:27 -6277 Aug 08 j 07:47	9° \$\alpha 50'47 0° \$\mathbf{n}\$ 0° \$\sigma \text{11'50} 0° \$\mathbf{n}\$ 11'10 30° \$\mathbf{n}\$ 28° \$\infty 27'14 27° \$\infty 14'21 27° \$\infty 17'42 18° \$\infty 00'25 17° \$\infty 59'52 0° \$\mathbf{n}\$ 0° \$\mathbf{n}\$ 0° \$\mathbf{n}\$ 0° \$\mathbf{n}\$ 12° \$\mathbf{n}\$ 50'40	-1°27'26 -1.5m
evening set  max. Earth dist.  conjunction  minimum elong  morning rise  desc. node	-6283 Jan 30 j 09:17 -6283 Mar 18 j 04:53 -6283 Mar 21 j 20:36 -6283 Apr 04 j 11:39 -6283 May 04 j 08:27 -6283 May 15 j 14:57 -6283 May 21 j 23:27 -6283 May 21 j 22:21 -6283 Jun 20 j 02:29 -6283 Jul 06 j 16:20 -6283 Aug 04 j 21:07 -6283 Sep 18 j 11:08 -6283 Oct 31 j 23:14 -6283 Dec 13 j 18:50 -6282 Jan 25 j 16:55 -6282 Mar 11 j 23:09 -6282 Mar 13 j 09:22 -6282 May 14 j 04:17	0°₹ 0° % 0° ¥ 2° ¥ 19'38 10° ¥ 59'44 0° \$\bar{V}\$ 7° \$\bar{V}\$11'36  11° \$\bar{V}\$15'22 11° \$\bar{V}\$13'36 0° \$\bar{U}\$ 10° \$\bar{U}\$46'41 0° \$\bar{U}\$ 0° \$\bar	0°33'12	desc. node  retrograde  min. Earth dist. opposition greatest brilliancy asc. node direct	-6279 Oct 02 j 17:50 -6279 Oct 29 j 04:05 -6279 Dec 06 j 22:36 -6279 Dec 16 j 05:13 -6278 Jan 14 j 18:37 -6278 Feb 23 j 14:57 -6278 Apr 06 j 15:40 -6278 May 22 j 21:55 -6278 Jul 21 j 12:44 -6278 Aug 26 j 09:30 -6278 Sep 28 j 10:17 -6278 Oct 02 j 07:56 -6278 Oct 05 j 08:16 -6278 Nov 13 j 03:43 -6277 Jan 02 j 13:20 -6277 Mar 03 j 21:49 -6277 Apr 23 j 08:26 -6277 Jun 08 j 13:01 -6277 Jul 21 j 15:27	9°\$\Omega_50'47 0°\$\pi\$ 0°\$\sigma 7°\$\Delta_11'50 0°\$\mathbb{N}\$ 0°\$\mathbb{N}\$ 0°\$\mathbb{N}\$ 0°\$\mathbb{N}\$ 7°\$\mathbb{H}_11'10 30°\$\mathbb{N}\$ 28°\$\mathbb{N}_27'14 27°\$\mathbb{H}_211 27°\$\mathbb{N}_14'21 27°\$\mathbb{N}_14'21 27°\$\mathbb{N}_14'21 27°\$\mathbb{N}_14'21 27°\$\mathbb{N}_14'21 0°\$\mathbb{N}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$ 0°\$\mathbb{M}\$	-1°27'26

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 13 Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style.

Attention, astronom	ical year style is used: Th	ie year -6398 i	n astronomical co	unting style is the year	6399 BCE in historical c	ounting style.	
conjunction	-6277 Oct 04 j 13:54	26° <b>Ω</b> 12'43	0°21'28		-6272 Aug 07 j 06:52	$9^{\circ}$ 8	
minimum elong	-6277 Oct 04 j 15:33	26° <b>Ω</b> 15'55	0°21'43		-6272 Sep 30 j 10:42	$\Pi$ °0	
	-6277 Oct 09 j 10:57	0° <b>m</b>		retrograde	-6272 Dec 18 j 05:35	25° <b>Ⅱ</b> 15'28	
desc. node	-6277 Nov 03 j 01:15	19° <b>m</b> 13'49		opposition	-6271 Jan 22 j 22:57	17° <b>Ⅱ</b> 41'57	
	-6277 Nov 16 j 18:37	0∘ <b>ত</b>		greatest brilliancy	-6271 Jan 24 j 10:10	17° <b>Ⅱ</b> 09'55	-1.9m
morning rise	-6277 Dec 07 j 22:28	16° <b>≙</b> 34'37		min. Earth dist.	-6271 Jan 30 j 16:45		0.53853 AU
	-6277 Dec 25 j 04:40	0° <b>™</b>		direct	-6271 Mar 03 j 07:53	8° <b>Ⅱ</b> 30'33	
	-6276 Feb 02 j 14:03	0° <b>∡</b> ¹		1 1	-6271 May 07 j 19:33	0°©	
	-6276 Mar 14 j 18:33	0°る		desc. node	-6271 Jun 24 j 19:33	0° <b>Ω</b> 11'29	
	-6276 Apr 27 j 14:39	0° <b>≈</b> 0° <b>)</b> €			-6271 Jun 24 j 12:54	0° <b>N</b>	
	-6276 Jun 14 j 12:21 -6276 Aug 11 j 14:54	0 K 0°Υ			-6271 Aug 05 j 03:38 -6271 Sep 13 j 21:01	0 <b>்⊽</b> 0 <b>்மி</b>	
retrograde	-6276 Sep 29 j 07:06	11° <b>Υ</b> '42'05			-6271 Oct 23 j 10:54	0° <b>™</b>	
asc. node	-6276 Sep 29 j 01:06	11° <b>Υ</b> 42'03			-6271 Dec 02 j 23:18	0° <b>⊼</b>	
opposition	-6276 Nov 07 j 23:28	2°Υ06'52	1°29'07		-6270 Jan 14 j 02:12	°ੇ ਨ	
greatest brilliancy	-6276 Nov 07 j 23:32	2° <b>Υ</b> 06'48	-1.4m	evening set	-6270 Feb 05 j 03:47	00 15° <b>る</b> 12'32	
min. Earth dist.	-6276 Nov 08 j 16:20	1° <b>Υ</b> 49'57	0.66929 AU	evening sec	-6270 Feb 27 j 01:41	0° <b>≈</b>	
	-6276 Nov 13 j 06:54	30° <b>Ŗ</b> ₩					
direct	-6276 Dec 18 j 14:05	22° <b>)</b> 14′58		conjunction	-6270 Mar 29 j 05:18	19° <b>≈</b> 54'55	-0°29'43
	-6275 Jan 26 j 15:46	$0^{\circ}$ $\Upsilon$		minimum elong	-6270 Mar 29 j 06:32	19° <b>≈</b> 56'55	
	-6275 Mar 30 j 02:47	0°B		max. Earth dist.	-6270 Apr 12 j 22:59	29° <b>≈</b> 30'00	2.63706 AU
	-6275 May 17 j 22:48	$\Pi^{\circ}0$			-6270 Apr 13 j 17:31	0° <b>∀</b>	
	-6275 Jun 30 j 20:29	$0$ $\circ$ $\odot$		morning rise	-6270 May 17 j 02:13	21° <b>¥</b> 25'30	
	-6275 Aug 10 j 17:36	$0^{\circ}\Omega$		asc. node	-6270 May 21 j 18:50	24° <b>¥</b> 24'56	
	-6275 Sep 18 j 18:26	0° <b>m</b> )			-6270 May 30 j 13:37	$0^{\circ}$ Y	
desc. node	-6275 Sep 19 j 20:35	0° <b>m</b> 51'01			-6270 Jul 17 j 01:23	$9^{\circ}$ 8	
evening set	-6275 Oct 07 j 06:32	14° <b>m</b> 29'41			-6270 Sep 03 j 02:43	$\Pi$ °0	
	-6275 Oct 26 j 23:37	0∘ <b>⊽</b>			-6270 Oct 22 j 15:05	$0$ $\circ$ $\odot$	
	-6275 Dec 04 j 08:14	0° <b>M</b>			-6270 Dec 16 j 15:50	$0$ $^{\circ}$ $\Omega$	
				retrograde	-6269 Feb 18 j 16:25	18° <b>Ω</b> 43'15	
conjunction	-6275 Dec 10 j 23:23	5°M07'26		opposition	-6269 Mar 22 j 07:23	13° <b>Ω</b> 07'14	
minimum elong	-6275 Dec 10 j 20:06	5°M01'07	0°53'39	greatest brilliancy	-6269 Mar 23 j 07:48	12° <b>Ω</b> 49'12	
D d F	-6274 Jan 12 j 17:13	0° <b>⊼</b> ¹	0.40710.411	min. Earth dist.	-6269 Mar 29 j 00:01		0.41358 AU
max. Earth dist.	-6274 Jan 27 j 16:57		2.42713 AU	direct	-6269 Apr 25 j 05:31	6° <b>Ω</b> 36'59	
morning rise	-6274 Feb 13 j 17:44 -6274 Feb 22 j 19:33	23°₹30'09 0°る		desc. node	-6269 May 12 j 21:50 -6269 Jul 01 j 00:39	8° <b>Ω</b> 41'56 0° <b>m</b>	
	-6274 Apr 07 j 03:14	0°≈			-6269 Aug 16 j 21:58	0∘ <b>ت</b> المال	
	-6274 May 23 j 01:24	0° <b>∺</b>			-6269 Sep 29 j 01:10	0° <b>™</b>	
	-6274 Jul 11 j 09:28	0° <b>Υ</b>			-6269 Nov 10 j 21:55	0° <b>⊼</b> ¹	
asc. node	-6274 Aug 17 j 01:57	20° <b>Y</b> ′08′35			-6269 Dec 24 j 17:20	0°ਤ	
use. Houe	-6274 Sep 06 j 12:18	0°8			-6268 Feb 07 j 21:07	0° <b>≈</b>	
retrograde	-6274 Nov 04 j 22:05	15° <b>8</b> 59'29		evening set	-6268 Mar 19 j 23:52	26° <b>≈</b> 38'21	
opposition	-6274 Dec 13 j 06:18	7° <b>8</b> 10'00	4°01'00	<i>8</i>	-6268 Mar 25 j 05:30	0° <b>)</b>	
greatest brilliancy	-6274 Dec 13 j 19:12	6° <b>8</b> 57'24	-1.5m	asc. node	-6268 Apr 07 j 13:23	8° <b>)</b> 32′00	
min. Earth dist.	-6274 Dec 17 j 16:59	5° <b>8</b> 25'51	0.63386 AU				
	-6273 Jan 02 j 15:39	30° <b>₹Ƴ</b>		conjunction	-6268 May 07 j 05:21	27° <b>¥</b> 28′12	0°16'37
direct	-6273 Jan 23 j 07:27	27° <b>Y</b> 10'43		minimum elong	-6268 May 07 j 04:45	27° <b>)</b> €27'14	0°16'33
	-6273 Feb 14 j 08:49	$0^{\circ}$ 8		max. Earth dist.	-6268 May 06 j 12:56		2.66904 AU
	-6273 Apr 22 j 17:04	$\Pi^{\circ}$			-6268 May 11 j 04:32	0° <b>Υ</b>	
	-6273 Jun 08 j 19:10	0ංම		morning rise	-6268 Jun 22 j 05:56	26° <b>Y</b> ′55'40	
	-6273 Jul 20 j 18:14	0°N			-6268 Jun 27 j 00:27	0°B	
desc. node	-6273 Aug 07 j 18:19	13° <b>Ω</b> 30′57			-6268 Aug 12 j 04:25	0°II	
	-6273 Aug 29 j 06:14	0° <b>m</b> )			-6268 Sep 26 j 12:40	0°©	
	-6273 Oct 06 j 18:27	0∘ <b>亚</b>			-6268 Nov 10 j 06:59	0° <b>N</b>	
	-6273 Nov 14 j 09:51	0°M			-6268 Dec 25 j 02:54	0° <b>m</b> )	
evening set	-6273 Dec 13 j 09:54	22°M01'53		daga mada	-6267 Feb 09 j 19:29	0° <b>⊽</b>	
	-6273 Dec 24 j 02:24 -6272 Feb 03 j 11:53	0°る		desc. node	-6267 Mar 30 j 00:56 -6267 Apr 11 j 03:01	25° <b>£</b> 36′26 0° <b>™</b>	
	02/21/00 03 J 11.33	υ O		retrograde	-6267 May 06 j 22:04	0 11℃ 4°MJ5'56	
conjunction	-6272 Feb 10 j 17:18	5° <b>る</b> 05'38	-1°05'49	renograde	-6267 Jun 02 j 06:15	4 IIC13 30 30°R <b>≏</b>	
minimum elong	-6272 Feb 10 j 18:43	5°る03'38		min. Earth dist.	-6267 Jun 03 j 00:59		0.39370 AU
max. Earth dist.	-6272 Mar 14 j 21:47		2.55210 AU	greatest brilliancy	-6267 Jun 07 j 10:11	28° <b>£</b> 30'56	
	-6272 Mar 17 j 22:19	0° <b>≈</b>		opposition	-6267 Jun 08 j 10:25	28° <b>⊆</b> 13'22	
morning rise	-6272 Apr 05 j 21:08	12° <b>≈</b> 39'33		direct	-6267 Jul 08 j 17:22	22° <b>♀</b> 55'40	-
Ç	-6272 May 02 j 09:47	0° <b>∀</b>			-6267 Aug 12 j 18:30	0° <b>M</b>	
	-6272 Jun 18 j 18:33	0° <b>Υ</b> ′			-6267 Oct 11 j 16:37	0° <b>∡</b> ¹	
asc. node	-6272 Jul 03 j 24:00	9° <b>Y</b> 23'36			-6267 Nov 30 j 05:12	ნ°0	

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 14 Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style.

Attention, astronom	ical year style is used: Th	ie year -6398 i	in astronomical co	unting style is the year	6399 BCE in historical c	ounting style.	
	-6266 Jan 17 j 06:41	0° <b>≈</b>		desc. node	-6262 Nov 19 j 19:46	26° Mp 28'00	
asc. node	-6266 Feb 23 j 09:32	23° <b>≈</b> 14'12			-6262 Nov 24 j 08:11	0∘ <b>⊽</b>	
	-6266 Mar 06 j 04:32	0° <b>∀</b>			-6261 Jan 01 j 21:01	0° <b>M</b> -	
	-6266 Apr 22 j 20:17	0° <b>Υ</b>			-6261 Feb 10 j 08:50	0° <b>∡</b> 7	
evening set	-6266 Apr 28 j 04:55	3° <b>Y</b> 24'01			-6261 Mar 23 j 17:42	0°ප	
max. Earth dist.	-6266 May 30 j 14:45		2.64713 AU		-6261 May 07 j 02:24	0° <b>≈</b>	
	-6266 Jun 08 j 15:58	$_{0}$ 8			-6261 Jun 25 j 22:22	0° <b>\</b>	
	(2(()) 11:0(00	20127	0055110	retrograde	-6261 Sep 16 j 19:07	28° <b>)</b> 43'38	
conjunction	-6266 Jun 14 j 06:00	3° <b>8</b> 37'57		asc. node	-6261 Oct 16 j 15:29	22° <b>)</b> 52'32	0022150
minimum elong	-6266 Jun 14 j 04:39	3° <b>8</b> 35'45	0°55′21	opposition	-6261 Oct 26 j 16:55	18° <b>)</b> € 56'49	0°22'58
	-6266 Jul 24 j 02:36	0°П 4°П 10/40		min. Earth dist.	-6261 Oct 25 j 22:33	19° <b>¥</b> 15′21	0.66596 AU
morning rise	-6266 Jul 30 j 07:24 -6266 Sep 05 j 22:29	4°∏10′40 0°©		greatest brilliancy direct	-6261 Oct 26 j 16:31 -6261 Dec 05 j 18:09	18° <b>)</b> 57'14 9° <b>)</b> 16'25	-1.4m
	-6266 Oct 18 j 06:05	0° <b>U</b>		direct	-6260 Feb 13 j 16:30	9 γ 10 23 0° <b>Υ</b>	
	-6266 Nov 28 j 09:49	0°m)			-6260 Apr 08 j 13:42	0°8	
	-6265 Jan 07 j 23:48	0∘ <del>ত</del> المارة			-6260 May 26 j 00:24	0°II	
desc. node	-6265 Feb 15 j 03:21	ა <u>—</u> 27° <b>ჲ</b> 56'47			-6260 Jul 08 j 12:02	0°©	
dese. Hode	-6265 Feb 17 j 23:48	0°M₁			-6260 Aug 18 j 06:28	0° <b>Ω</b>	
	-6265 Apr 02 j 12:07	0° <b>∡</b> 7		evening set	-6260 Sep 11 j 18:42	18° <b>Ω</b> 43'57	
	-6265 May 26 j 21:07	ੈ°ਰ ਨ		evening set	-6260 Sep 26 j 06:53	0°m)	
retrograde	-6265 Jul 03 j 00:41	8° <b>ろ</b> 26'38		desc. node	-6260 Oct 06 j 15:27	8° m) 05'52	
min. Earth dist.	-6265 Aug 02 j 02:24		0.50922 AU	dese. Hode	-6260 Nov 03 j 12:04	0∘ <b>⊽</b>	
greatest brilliancy	-6265 Aug 08 j 09:34	29° <b>×</b> 755'47			02001101 05 j 12.01	v —	
8	-6265 Aug 08 j 05:02	30°R. <b>✓</b>	_,,,,,,,	conjunction	-6260 Nov 13 j 16:23	8° <b>ഫ</b> 00'16	-0°27'36
opposition	-6265 Aug 09 j 18:46	29° <b>₹</b> '24'54	-5°32'56	minimum elong	-6260 Nov 13 j 13:57	7° <b>≏</b> 55'30	
direct	-6265 Sep 13 j 01:53	22° <b>∡</b> ¹00'49		Č	-6260 Dec 11 j 20:12	0° <b>M</b>	
	-6265 Oct 21 j 17:43	ರ°0		max. Earth dist.	-6260 Dec 13 j 05:57		2.38411 AU
	-6265 Dec 23 j 07:25	0° <b>≈</b>		morning rise	-6259 Jan 19 j 16:17	29°M38'00	
asc. node	-6264 Jan 11 j 08:53	10° <b>≈</b> 41'46		C	-6259 Jan 20 j 04:02	0° <b>∡</b> ¹	
	-6264 Feb 13 j 10:39	0° <b>∀</b>			-6259 Mar 02 j 05:37	ರ°0	
	-6264 Apr 02 j 20:08	$0^{\circ}$ Y			-6259 Apr 14 j 15:13	0° <b>≈</b>	
	-6264 May 20 j 05:57	$0^{\circ}B$			-6259 May 31 j 00:24	0° <b>∀</b>	
evening set	-6264 Jun 05 j 12:03	10° <b>8</b> 35'47			-6259 Jul 21 j 02:06	$0^{\circ}$ Y	
max. Earth dist.	-6264 Jun 26 j 05:24	24° <b>8</b> 22'07	2.57338 AU	asc. node	-6259 Sep 02 j 17:39	21° <b>Y</b> 10'32	
	-6264 Jul 04 j 13:33	$\Pi$ °0			-6259 Sep 29 j 20:49	$0^{\circ}$ 8	
				retrograde	-6259 Oct 21 j 04:15	2° <b>8</b> 33'57	
conjunction	-6264 Jul 23 j 23:33	13° <b>Ⅱ</b> 18'44			-6259 Nov 09 j 23:29	30° <b>Ŗ</b> ♈	
minimum elong		13° <b>Ⅱ</b> 18'42	1°12'09	opposition	-6259 Nov 29 j 04:07	23° <b>Y</b> 23'43	
	-6264 Aug 16 j 17:46			greatest brilliancy	-6259 Nov 29 j 10:13		
morning rise	-6264 Sep 11 j 20:56	18° <b>©</b> 51'11		min. Earth dist.	-6259 Dec 02 j 03:32		0.65517 AU
	-6264 Sep 27 j 00:16	$0$ $^{\circ}\Omega$		direct	-6258 Jan 09 j 05:24	13° <b>Y</b> ′23′07	
	-6264 Nov 05 j 20:41	0° <b>m</b>			-6258 Mar 10 j 02:19	0° <b>8</b>	
	-6264 Dec 14 j 23:00	0° <b>⊽</b>			-6258 May 03 j 07:06	0°II	
desc. node	-6263 Jan 02 j 00:47	13° <b>£</b> 53'56			-6258 Jun 17 j 14:38	0°©	
	-6263 Jan 23 j 02:40	0°M 0°. <b>⊼</b>		1 1	-6258 Jul 28 j 23:53	0°N	
	-6263 Mar 04 j 08:29 -6263 Apr 16 j 04:46	0°⋜		desc. node	-6258 Aug 24 j 12:29	20° <b>Ω</b> 09'34	
		0°≈			-6258 Sep 06 j 05:38 -6258 Oct 14 j 13:43	0° <b>ഫ</b> 0°ആ	
retrograde	-6263 Jun 04 j 05:26 -6263 Aug 12 j 06:37	0°≈ 22°≈49'19		evening set	-6258 Nov 18 j 01:37	0° <u>22</u> 26° <b>2</b> 55'26	
min. Earth dist.	-6263 Sep 16 j 12:41	14°≈40'32	0.61492 AU	evening set	-6258 Nov 22 j 01:06	0°M₁	
opposition	-6263 Sep 20 j 23:46	12°≈53'27			-6258 Dec 31 j 13:11	0° <b>∡</b> 7	
greatest brilliancy	-6263 Sep 20 j 14:31	13°≈02'41			0230 Bec 31 j 13.11	υ <i>γ</i> .	
direct	-6263 Oct 28 j 18:09	4°≈01'50	1.0111	conjunction	-6257 Jan 19 j 14:21	14° <b>∡</b> °02'34	-1°09'43
asc. node	-6263 Nov 28 j 11:31	9° <b>≈</b> 05'32		minimum elong	-6257 Jan 19 j 14:13	14° <b>√</b> 02'18	
use. Houe	-6262 Jan 17 j 07:53	0° <b>∺</b>		minimum ciong	-6257 Feb 10 j 18:21	0°る	1 10 05
	-6262 Mar 12 j 21:41	0° <b>Υ</b>		max. Earth dist.	-6257 Mar 01 j 15:00		2.50611 AU
	-6262 May 01 j 00:38	0°8		morning rise	-6257 Mar 19 j 09:01	25° <b>පි</b> 27'15	
	-6262 Jun 15 j 19:35	0°II		Č	-6257 Mar 26 j 01:56	0° <b>≈</b>	
evening set	-6262 Jul 19 j 13:55	23° <b>II</b> 23'22			-6257 May 10 j 14:55	0° <b>∀</b>	
-	-6262 Jul 28 j 20:27	0ಂಣ			-6257 Jun 27 j 11:24	0° <b>Υ</b>	
max. Earth dist.	-6262 Aug 04 j 11:52	4°9547'05	2.45850 AU	asc. node	-6257 Jul 21 j 16:23	14° <b>Y</b> 31'31	
	-6262 Sep 07 j 15:37	$0^{\circ}\Omega$			-6257 Aug 17 j 15:40	$9^{\circ}$ 8	
					-6257 Oct 18 j 16:20	$\Pi^{\circ}0$	
conjunction	-6262 Sep 11 j 09:20	2° <b>Ω</b> 49'01	0°46'29	retrograde	-6257 Nov 30 j 13:42	9°Ⅱ06'54	
minimum elong	-6262 Sep 11 j 11:41	2° <b>Ω</b> 53′28	0°46'48	opposition	-6256 Jan 06 j 11:36	0°Щ59′00	5°10'43
	-6262 Oct 16 j 21:10	0° <b>m</b> )		greatest brilliancy	-6256 Jan 07 j 14:13	0° <b>Ⅲ</b> 33'53	-1.7m
morning rise	-6262 Nov 10 j 03:12	18° <b>m</b> 53'20			-6256 Jan 09 j 02:01	30° <b>₹</b> 8	

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 15 Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style.

		-		unting style is the year	6399 BCE in historical c	ounting style.	
min. Earth dist.	-6256 Jan 13 j 01:46		0.58220 AU		-6251 Mar 13 j 10:21	0° <b>∀</b>	
direct	-6256 Feb 15 j 20:11	21° <b>8</b> 19'01		evening set	-6251 Apr 13 j 05:05	19° <b>¥</b> 30′25	
	-6256 Mar 26 j 11:32	0° <b>I</b> I			-6251 Apr 29 j 17:35	0° <b>Υ</b>	
	-6256 May 21 j 22:47	0°€		max. Earth dist.	-6251 May 21 j 01:39	13° <b>Y'</b> 37'04	2.66203 AU
	-6256 Jul 05 j 01:47	0°N					
desc. node	-6256 Jul 11 j 11:31	4° <b>Ω</b> 38'10		conjunction	-6251 May 30 j 10:31	19° <b>Ƴ</b> 37'48	
	-6256 Aug 14 j 11:36	0° <b>m</b> )		minimum elong	-6251 May 30 j 09:15	19° <b>Ƴ</b> 35'45	0°42'05
	-6256 Sep 22 j 13:06 -6256 Oct 31 j 15:13	0° <b>Մ</b>		morning rise	-6251 Jun 15 j 12:01 -6251 Jul 15 j 02:56	0°8 19°822'00	
	-6256 Dec 10 j 17:24	0° <b>∕</b> 7		morning rise	-6251 Jul 31 j 03:41	0°Ⅱ	
evening set	-6255 Jan 16 j 13:06	26° <b>∡</b> ³31'30			-6251 Sep 13 j 10:31	0ಂಣ ೧ ಗ	
evening set	-6255 Jan 21 j 11:31	0°る			-6251 Oct 26 j 11:04	0°Ω	
	-6255 Mar 06 j 04:06	0° <b>≈</b>			-6251 Dec 07 j 13:21	0° <b>m</b> )	
	0233 War 00 J 0 1.00	0 / • ·			-6250 Jan 18 j 09:15	0∘ <b>⊽</b>	
conjunction	-6255 Mar 12 j 00:29	3° <b>≈</b> 55'08	-0°46'24		-6250 Mar 02 j 09:07	0° <b>M</b>	
minimum elong	-6255 Mar 12 j 02:15	3° <b>≈</b> 58'06		desc. node	-6250 Mar 03 j 20:04	0° <b>M</b> 58'44	
max. Earth dist.	-6255 Apr 02 j 12:12		2.60981 AU		-6250 Apr 20 j 09:21	0° <b>∡</b> ¹	
	-6255 Apr 20 j 16:27	0° <b>)</b> €		retrograde	-6250 Jun 13 j 10:34	16° <b>∡</b> ³35′04	
morning rise	-6255 May 01 j 20:35	7° <b>)</b> 12′52		min. Earth dist.	-6250 Jul 11 j 09:33	11° <b>∡</b> 17'42	0.45928 AU
	-6255 Jun 06 j 14:50	$0^{\circ}$ Y		greatest brilliancy	-6250 Jul 17 j 21:51	9° <b>∡</b> ¹04'08	-2.4m
asc. node	-6255 Jun 07 j 12:28	0° <b>Y</b> 34'08		opposition	-6250 Jul 19 j 13:29	8° <b>∡</b> ¹29'57	-6°08'31
	-6255 Jul 24 j 15:39	$9^{\circ}$ 8		direct	-6250 Aug 21 j 04:28	1° <b>∡</b> 754'56	
	-6255 Sep 12 j 04:16	$\Pi$ °0			-6250 Nov 10 j 16:32	0°ಕ	
	-6255 Nov 04 j 21:41	0			-6249 Jan 02 j 16:18	0° <b>≈</b>	
retrograde	-6254 Jan 22 j 03:31	25° <b>©</b> 23'12		asc. node	-6249 Jan 27 j 23:57	15° <b>≈</b> 06′21	
opposition	-6254 Feb 24 j 13:43	18° <b>©</b> 58'18	5°09'21		-6249 Feb 21 j 13:27	0° <b>∀</b>	
greatest brilliancy	-6254 Feb 26 j 04:21	18° <b>©</b> 26'40			-6249 Apr 11 j 02:09	0° <b>Υ</b>	
min. Earth dist.	-6254 Mar 04 j 22:46	16° <b>©</b> 15'02	0.46054 AU	evening set	-6249 May 21 j 22:56	25° <b>Y</b> 57'48	
direct	-6254 Apr 02 j 03:48	11° <b>©</b> 10'34			-6249 May 28 j 04:43	0°8	
desc. node	-6254 May 29 j 14:38	29° <b>©</b> 12'33		max. Earth dist.	-6249 Jun 15 j 20:02	12° <b>8</b> 10'58	2.60807 AU
	-6254 May 31 j 01:49	0° <b>N</b>		. ,.	(240 1 1 00 : 12 22	270 17147	1000102
	-6254 Jul 17 j 21:21	0° <b>m</b> )		conjunction	-6249 Jul 08 j 12:23	27° <b>8</b> 17'47	
	-6254 Aug 29 j 00:29	0° <b>Մ</b> 0° <b>亞</b>		minimum elong	-6249 Jul 08 j 11:35 -6249 Jul 12 j 12:30	27° <b>8</b> 16'25 0° <b>П</b>	1-09-21
	-6254 Oct 09 j 01:39 -6254 Nov 19 j 15:48	0° <b>⊼</b>			-6249 Aug 24 j 21:33	0°©	
	-6253 Jan 01 j 14:30	%ರ		morning rise	-6249 Aug 25 j 07:32	0°917'38	
	-6253 Feb 15 j 04:16	0° <b>≈</b>		morning 1130	-6249 Oct 05 j 12:01	0°Ω	
evening set	-6253 Mar 04 j 19:44	11° <b>≈</b> 35'59			-6249 Nov 14 j 17:56	0° m)	
e venning see	-6253 Apr 02 j 04:19	0° <b>)</b> €			-6249 Dec 24 j 06:19	0∘ <b>⊽</b>	
	·	* / (		desc. node	-6248 Jan 19 j 19:00	20° <b>♀</b> 08'49	
conjunction	-6253 Apr 23 j 04:45	13° <b>)</b> € 30'01	-0°01'12		-6248 Feb 01 j 21:05	0° <b>M</b> .	
minimum elong	-6253 Apr 23 j 04:46	13° <b>¥</b> 30′01	0°01'21		-6248 Mar 13 j 19:03	0° <b>∡</b> ¹	
behind sun begin	-6253 Apr 22 j 09:00	12° <b>)</b> 58′24			-6248 Apr 27 j 05:39	ರ°0	
behind sun end	-6253 Apr 24 j 00:31	14° <b>)</b> €01'37			-6248 Jun 23 j 10:20	0° <b>≈</b>	
asc. node	-6253 Apr 25 j 06:29	14° <b>) (</b> 49′35		retrograde	-6248 Jul 28 j 07:17	7° <b>≈</b> 13'18	
max. Earth dist.	-6253 Apr 28 j 07:40	16° <b>) √</b> 46'40	2.66303 AU		-6248 Aug 30 j 01:29	30°Ŗる	
	-6253 May 19 j 00:32	$0^{\circ}\Upsilon$		min. Earth dist.	-6248 Aug 30 j 16:47	29° <b>ප්</b> 45'11	0.57920 AU
morning rise	-6253 Jun 08 j 23:25	13° <b>Y</b> ′21′58		opposition	-6248 Sep 05 j 13:07	27° <b>ට</b> 27'12	
	-6253 Jul 05 j 00:24	0°B		greatest brilliancy	-6248 Sep 04 j 19:28	27° <b>る</b> 44'35	-1.7m
	-6253 Aug 20 j 17:21	0°Π		direct	-6248 Oct 12 j 02:01	19° <b>る</b> 04'06	
	-6253 Oct 06 j 03:59	0°©			-6248 Nov 28 j 05:50	0° <b>≈</b>	
	-6253 Nov 21 j 23:27	0° <b>N</b>		asc. node	-6248 Dec 15 j 02:01	7°≈15'57	
	-6252 Jan 10 j 00:32	0° <b>m</b>			-6247 Jan 28 j 08:57	0° <b>)</b> €	
ratrograda	-6252 Mar 14 j 03:18	0° <b>亞</b> 3° <b>亞</b> 33'16			-6247 Mar 21 j 03:04	0° <b>႘</b>	
retrograde	-6252 Apr 07 j 10:12	3° <u>₽</u> 33'16			-6247 May 08 j 09:24	0°U	
desc. node	-6252 Apr 15 j 18:33 -6252 May 02 j 00:15	3° <u>≥≥</u> 062/		evening set	-6247 Jun 22 j 22:25 -6247 Jul 01 j 11:54	0°Щ 5°Щ50'12	
opposition	-6252 May 08 j 02:06	28° Mg 24'32	-1°44'23	max. Earth dist.	-6247 Jul 17 j 14:51	3 <b>П</b> 30 12 16° <b>П</b> 59'58	2.50693 AU
greatest brilliancy	-6252 May 07 j 23:49	28° Mp 26'03		max. Larm uist.	-6247 Aug 04 j 23:47	0.20 10 H23329	2.50075 AU
min. Earth dist.	-6252 May 07 j 23:49	28° m 32'39	0.37823 AU		021, 11ug 0-1 j 23.47	· •	
direct	-6252 Jun 07 j 06:34	23° m 21'04	0.0 , 020 110	conjunction	-6247 Aug 21 j 15:15	12° <b>©</b> 01'42	1°02'47
	-6252 Jul 10 j 17:04	ე∘ <u>ი</u>		minimum elong	-6247 Aug 21 j 16:57	12°504'47	
	-6252 Sep 07 j 00:31	0° <b>m</b>			-6247 Sep 14 j 22:41	0°Ω	
	-6252 Oct 24 j 13:12	0° <b>∡</b> 7		morning rise	-6247 Oct 15 j 18:38	23° <b>Ω</b> 23'00	
	-6252 Dec 09 j 18:05	8°0		Ç	-6247 Oct 24 j 09:03	0° <b>m</b> )	
	-				-		
	-6251 Jan 25 j 07:04	0° <b>≈</b>			-6247 Dec 02 j 00:42	0∘ <b>ত</b>	
asc. node	-6251 Jan 25 j 07:04 -6251 Mar 12 j 01:07	0°≈ 29°≈07'18		desc. node	-6247 Dec 02 j 00:42 -6247 Dec 06 j 15:29	ე° <b>ഫ</b> 35'33	

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:22, Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style. -6246 Jan 09 i 17:34 0°M -6241 Apr 14 j 18:28  $0^{\circ}II$ -6246 Feb 18 j 09:26 0°×7 -6241 Jun 02 j 19:13 0ಂತಾ -6246 Apr 01 j 01:50 0°궁 -6241 Jul 15 j 08:47  $0^{\circ}\Omega$ -6241 Jul 29 j 06:01 10°**Ω**18'56 -6246 May 16 j 08:40 0°≈≈ desc. node -6246 Jul 09 j 05:54 0°**)**€ -6241 Aug 24 j 03:06 0° m -6241 Oct 01 j 18:55 0∘**⊽** retrograde -6246 Sep 03 j 06:54 15°**¥**28′22  $0^{\circ}$ M min. Earth dist. -6246 Oct 11 j 00:58 6°**∺**27'39 0.65328 AU -6241 Nov 09 j 12:58 5°**¥**33'36 -0°46'09 0°×7 opposition -6246 Oct 13 j 06:32 -6241 Dec 19 j 07:31 5°**)** 34′49 greatest brilliancy -6246 Oct 13 j 05:20 -1.4m evening set -6241 Dec 26 j 18:58 5°**х** 30'43 -6246 Oct 28 j 07:48 30°R≈ -6240 Jan 29 j 18:39 0°정 asc. node -6246 Nov 02 j 05:18 28°≈36'48 -6240 Feb 22 j 07:04 direct -6246 Nov 21 j 13:52 26°≈08'40 conjunction 16°**පි**24'18 -1°00'06 -6240 Feb 22 j 08:52 -6246 Dec 18 j 05:45 0°**)**€ minimum elong 16°る27'24 1°00'30 -6245 Feb 25 j 09:51  $0^{\circ}\Upsilon$ -6240 Mar 13 j 05:59 -6245 Apr 18 j 01:50  $0^{\circ}$ 8 max. Earth dist. -6240 Mar 22 j 06:38 6°≈03'37 2.57463 AU -6245 Jun 03 j 16:10  $0^{\circ}II$ morning rise -6240 Apr 15 j 17:36 22°≈13'25 -6245 Jul 16 j 21:49 0ಂತಾ -6240 Apr 27 j 16:31 0°**)**€ evening set -6245 Aug 20 j 12:50 25°523'59 -6240 Jun 13 j 19:56  $0^{\circ}\Upsilon$ -6245 Aug 26 j 15:41  $0^{\circ}\Omega$ asc. node -6240 Jun 24 j 04:20 6°Y27'09 max. Earth dist. -6245 Sep 23 j 00:22 20°**Ω**54'47 2.38933 AU -6240 Aug 01 j 16:07 0°8 -6245 Oct 04 j 17:22 -6240 Sep 22 j 13:40  $0^{\circ}II$ -6240 Nov 27 i 01:16 0ಂತಾ conjunction -6245 Oct 18 j 22:05 11° m 05'25 0°04'07 -6240 Dec 29 i 22:32 5°5943'24 retrograde -6245 Oct 18 j 22:28 11° Mp 06'10 0°04'17 -6239 Jan 29 j 16:44 30°RⅡ minimum elong behind sun begin -6245 Oct 17 j 20:25 10° m 15'11 opposition -6239 Feb 02 i 22:21 28° II 32'10 5°38'08 -6245 Oct 20 j 00:31 11° m 57'10 -6239 Feb 04 j 12:53 27°**I**I58′07 -2.0m behind sun end greatest brilliancy -6245 Oct 24 j 09:56 -6239 Feb 11 i 03:29 desc node 15° m 23'50 min. Earth dist. 25°∏39'13 0.51161 AU -6245 Nov 12 j 00:03 -6239 Mar 13 j 11:56 19°**Ⅱ**44'48 0∘ഹ direct -6245 Dec 20 j 09:09 oom. -6239 Apr 24 j 18:50 0ಂತಾ -6245 Dec 24 j 02:02 2°M51'59 -6239 Jun 15 j 06:50 28°955'10 morning rise desc. node -6244 Jan 28 j 17:16 0°×7 -6239 Jun 16 j 22:22 0° $\Omega$ -6244 Mar 09 j 19:32 0°정 -6239 Jul 29 j 19:54 0° m -6244 Apr 22 j 09:45 0°≈ -6239 Sep 08 j 03:36 0∘ಹ -6244 Jun 08 j 13:13 0°\ -6239 Oct 18 j 02:51 oom. -6244 Aug 01 j 20:36  $0^{\circ}\Upsilon$ -6239 Nov 27 j 22:02 0°**∡**7 -6244 Sep 19 j 08:02 17°**Y**41′12 0°정 asc. node -6238 Jan 09 j 06:03 -6244 Oct 07 j 03:29 25°る27'20 retrograde 19°**Y**31'48 evening set -6238 Feb 15 j 13:57 -6244 Nov 15 j 15:01 10°Υ04'24 2°05'52 -6238 Feb 22 j 09:02 0°≈ opposition greatest brilliancy -6244 Nov 15 j 16:32 10°**Y**02'54 -1.4m min. Earth dist. -6244 Nov 17 j 02:55 9°**Υ**28'31 0.66702 AU conjunction -6238 Apr 07 j 13:39 29°≈00'13 -0°19'22 -6244 Dec 26 j 10:59  $0^{\circ}$  **Y** 08'04minimum elong -6238 Apr 07 j 14:27 29°≈01'31 0°19'35 direct -6243 Mar 23 j 06:27 0°8 -6238 Apr 09 j 02:37 0°) -6243 May 12 j 11:51  $\mathbb{I}^{\circ 0}$ max. Earth dist. -6238 Apr 18 j 18:14 6°¥13'49 2.64849 AU -6243 Jun 25 j 19:52 0ಂತಾ -6238 May 11 j 23:17 21°\ 06'45 asc. node -6243 Aug 05 j 21:00 -6238 May 25 j 13:41 29°**)** 47'10  $0^{\circ}\Omega$ morning rise  $0^{\circ}\Upsilon$ desc. node -6243 Sep 10 j 06:38 27°Ω07'36 -6238 May 25 j 21:45 -6243 Sep 13 j 23:11 0° m -6238 Jul 12 j 04:17 0°8 evening set -6243 Oct 22 i 09:11 0°**£**08'34 -6238 Aug 28 j 15:40  $0^{\circ}II$ -6243 Oct 22 i 04:50 0∘<del></del>∇ -6238 Oct 15 j 18:19 0ಂತಾ -6243 Nov 29 j 13:44 0°M -6238 Dec 05 j 09:35  $0^{\circ}\Omega$ -6237 Feb 08 j 21:32 0° m -6243 Dec 25 j 23:45 20°M14'41 -1°03'00 -6237 Mar 07 j 16:57 4° 1006'29 conjunction retrograde -6243 Dec 25 j 21:20 20°ML10'05 1°03'17 -6237 Apr 03 j 12:47 30°RΩ minimum elong 28°**Ω**51'41 -6242 Jan 07 j 22:52 0°×7 opposition -6237 Apr 07 j 15:51 1°54'52  $28^{\circ} \Omega 44'06$ max. Earth dist. -6242 Feb 10 j 23:37 24°**✗** 56′52 2.45563 AU greatest brilliancy -6237 Apr 08 j 02:39 -2.8m-6242 Feb 18 j 01:11 0°궁 min. Earth dist. -6237 Apr 12 j 07:07 27°**Ω**33'55 0.39368 AU -6242 Feb 26 j 17:24 6°る08'41 desc. node -6237 May 03 j 09:29 23°**Ω**20′56 morning rise 0°**≈** -6237 May 09 j 22:45 23°**Ω**03'21 -6242 Apr 02 j 07:36 direct 0°\ -6237 Jun 12 j 12:42 0° m -6242 May 18 j 00:38  $0^{\circ}\Upsilon$ 0∘**⊽** -6242 Jul 05 j 15:35 -6237 Aug 07 j 15:54 18° **Y**43'49 0°M asc. node -6242 Aug 07 j 08:12 -6237 Sep 22 j 00:36 -6242 Aug 28 j 17:05 0°8 -6237 Nov 04 j 23:27 0°**∡**7 retrograde -6242 Nov 13 j 20:21 24°**8**24'09 -6237 Dec 19 j 10:05 0°ಕ opposition -6242 Dec 21 j 17:45 15°**8**47'56 4°29'17 -6236 Feb 02 j 23:10 0°≈ greatest brilliancy -6242 Dec 22 j 11:14 15°**8**31'01 -1.5m -6236 Mar 20 j 12:56 0°**)**€ min. Earth dist. 13°**8**46'57 -6236 Mar 28 j 23:05 5° # 22'49 -6242 Dec 26 j 22:55 0.61817 AU evening set

-6241 Jan 31 j 15:20

direct

5°**8**52'47

asc. node

5°**)** 15'01

-6236 Mar 28 j 18:11

•	omena of Mars from iical year style is used: Th		•	/ /		, ,	e 1/
Attention, astronom	-6236 May 06 j 14:02	e year -0398 i 0° <b>Υ</b>	in astronomicai coi	unting style is the year	-6231 Aug 04 j 10:37	ounting style. 0° <b>∺</b>	
max. Earth dist.	-6236 May 11 j 22:45		2.66873 AU	retrograde	-6231 Aug 20 j 11:07	1° <b>¥</b> 36'57	
man. Darm uist.	0230 11111 111 122.10	3 , 20 10	2.00073110	renograde	-6231 Sep 04 j 15:28	30°R≈	
conjunction	-6236 May 15 j 17:44	5° <b>Ƴ</b> 50'27	0°26'27	min. Earth dist.	-6231 Sep 25 j 16:00		0.63123 AU
minimum elong	-6236 May 15 j 16:49	5° <b>Ƴ</b> 48'59	0°26'27	opposition	-6231 Sep 29 j 08:23	21° <b>≈</b> 39'30	-1°57'43
	-6236 Jun 22 j 09:02	$9^{\circ}$ 8		greatest brilliancy	-6231 Sep 29 j 02:50	21° <b>≈</b> 45′05	-1.5m
morning rise	-6236 Jun 30 j 12:30	5° <b>8</b> 16'14		direct	-6231 Nov 06 j 17:19	12° <b>≈</b> 34'42	
	-6236 Aug 07 j 08:03	$\Pi^{\circ}0$		asc. node	-6231 Nov 18 j 18:54	13° <b>≈</b> 26′22	
	-6236 Sep 21 j 06:04	$0$ $\circ$ $\odot$			-6230 Jan 08 j 15:05	0° <b>∀</b>	
	-6236 Nov 04 j 06:48	$0^{\circ}\Omega$			-6230 Mar 07 j 02:31	0° <b>Υ</b>	
	-6236 Dec 17 j 20:38	0° <b>m</b>			-6230 Apr 25 j 23:59	0° <b>8</b>	
	-6235 Jan 31 j 00:38	0∘ <b>⊽</b>			-6230 Jun 11 j 01:45	0°Щ	
desc. node	-6235 Mar 20 j 13:13	0°M₀06'43			-6230 Jul 24 j 04:45	0°©	
	-6235 Mar 20 j 08:22	0°M		evening set	-6230 Jul 30 j 12:47	4°533'34	2 42105 411
retrograde	-6235 May 21 j 14:17	20°M52'19	0.41307 AU	max. Earth dist.	-6230 Aug 17 j 06:44	17°931'55	2.43185 AU
min. Earth dist. greatest brilliancy	-6235 Jun 17 j 09:19 -6235 Jun 23 j 00:53	16°M16'26 14°M32'24			-6230 Sep 02 j 23:54	$0$ ° $\Omega$	
opposition	-6235 Jun 24 j 11:42	14°ML05'31		conjunction	-6230 Sep 24 j 03:45	16° <b>Ω</b> 05'18	0°33'17
direct	-6235 Jul 25 j 08:46	8°M23'41	-3 40 03	minimum elong	-6230 Sep 24 j 05:56	16° <b>Ω</b> 09'29	
uncer	-6235 Oct 01 j 06:19	0°×7		minimum ciong	-6230 Oct 12 j 04:11	0° m)	0 33 33
	-6235 Nov 23 j 10:32	0°ਤ ਹ ×		desc. node	-6230 Nov 10 j 06:27	22° <b>m</b> 43'15	
	-6234 Jan 11 j 18:02	0° <b>≈</b>			-6230 Nov 19 j 13:15	0∘ <u>⊽</u>	
asc. node	-6234 Feb 13 j 15:01	20° <b>≈</b> 18'44		morning rise	-6230 Nov 25 j 13:47	4° <b>≙</b> 43'10	
	-6234 Mar 01 j 05:36	0° <b>)</b> €			-6230 Dec 28 j 00:01	0°M	
	-6234 Apr 18 j 03:45	$0^{\circ}$ $\Upsilon$			-6229 Feb 05 j 09:20	0° <b>∡</b> ¹	
evening set	-6234 May 06 j 19:31	11° <b>Y</b> 49'58			-6229 Mar 18 j 13:56	0°ರ	
	-6234 Jun 04 j 01:41	$9^{\circ}$ 8			-6229 May 01 j 12:50	0° <b>≈</b>	
max. Earth dist.	-6234 Jun 05 j 08:42	0° <b>8</b> 50'22	2.63524 AU		-6229 Jun 18 j 23:55	0° <b>∀</b>	
					-6229 Aug 20 j 09:02	0° <b>Υ</b>	
conjunction	-6234 Jun 22 j 22:29	12° <b>8</b> 19'56		retrograde	-6229 Sep 24 j 13:34	6° <b>Ƴ</b> 38'55	
minimum elong	-6234 Jun 22 j 21:14	12° <b>8</b> 17'53	1°01'37	asc. node	-6229 Oct 06 j 21:39	5° <b>Y</b> '37'46	
	-6234 Jul 19 j 11:14	0°II		•,•	-6229 Oct 26 j 16:03	30° <b>₹</b> ₩	1001150
morning rise	-6234 Aug 08 j 10:39	13° <b>Ⅱ</b> 34'43		opposition	-6229 Nov 03 j 08:48	26° <b>¥</b> 57'52	1°01'52
	-6234 Sep 01 j 03:04 -6234 Oct 13 j 04:06	0° <b>Ω</b> 0°©		greatest brilliancy min. Earth dist.	-6229 Nov 03 j 08:16 -6229 Nov 03 j 09:28	26° <b>¥</b> 58'25 26° <b>¥</b> 57'13	-1.4m 0.66908 AU
	-6234 Nov 22 j 23:10	0° <b>m</b> )		direct	-6229 Nov 03 j 09.28 -6229 Dec 13 j 18:06	20 <b>X</b> 3/13 17° <b>X</b> 10'39	0.00908 AU
	-6233 Jan 02 j 02:15	0∘ <b>⊽</b>		direct	-6228 Feb 04 j 01:04	0° <b>Υ</b>	
desc. node	-6233 Feb 05 j 12:51	o <b>—</b> 25° <b>⊆</b> 38'42			-6228 Apr 02 j 14:02	0°8	
desc. node	-6233 Feb 11 j 11:01	0° <b>M</b> .			-6228 May 20 j 20:22	0°II	
	-6233 Mar 25 j 15:17	0° <b>∡</b> ¹			-6228 Jul 03 j 14:50	0ං <b>ම</b>	
	-6233 May 12 j 21:11	0°ಕ			-6228 Aug 13 j 11:54	$0^{\circ}\Omega$	
retrograde	-6233 Jul 13 j 01:23	19° <b>ප්</b> 48'58			-6228 Sep 21 j 13:09	0° <b>m</b> )	
min. Earth dist.	-6233 Aug 13 j 08:58	13° <b>る</b> 08'27	0.53573 AU	evening set	-6228 Sep 25 j 21:30	3° <b>m</b> 23'42	
greatest brilliancy	-6233 Aug 19 j 07:37	10°る52'45		desc. node	-6228 Sep 27 j 01:56	4° <b>m</b> 19'16	
opposition	-6233 Aug 20 j 11:19	10° <b>පි</b> 26'17	-5°00'01		-6228 Oct 29 j 18:22	0∘ <b>⊽</b>	
direct	-6233 Sep 24 j 14:11	2° <b>る</b> 39'00					
_	-6233 Dec 15 j 13:20	0° <b>≈</b>		conjunction	-6228 Nov 29 j 02:33	23° <b>△</b> 47'18	
asc. node	-6232 Jan 01 j 15:55	9°≈03'25		minimum elong	-6228 Nov 28 j 23:16	23° <b>△</b> 40'53	0~43'33
	-6232 Feb 07 j 18:26	0° <b>∀</b>		To all the	-6228 Dec 07 j 02:21	0°M	2 40520 411
	-6232 Mar 28 j 20:41	0° <b>Υ</b>		max. Earth dist.	-6227 Jan 12 j 23:48 -6227 Jan 15 j 09:51	28°∥L11'11 0° <b>√</b>	2.40539 AU
evening set	-6232 May 15 j 13:23 -6232 Jun 14 j 15:59	19° <b>8</b> 43'16		morning rise	-6227 Jan 15 j 09:51 -6227 Feb 03 j 04:53	0°×' 13°×755'36	
evening set	-6232 Jun 29 j 23:09	0°Ⅱ		morning risc	-6227 Feb 25 j 10:20	0°る	
max. Earth dist.	-6232 Jul 03 j 08:24		2.55130 AU		-6227 Apr 09 j 17:08	0° <b>≈</b>	
Durin dist.	0202 tui 00 j 00.24	1137	2.00 100 110		-6227 May 25 j 17:36	0° <b>∺</b>	
conjunction	-6232 Aug 02 j 21:56	23° <b>Ⅲ</b> 28'46	1°10'36		-6227 Jul 14 j 14:23	0° <b>Υ</b>	
minimum elong	-6232 Aug 02 j 22:31	23° <b>Ⅲ</b> 29'48	1°10'59	asc. node	-6227 Aug 23 j 22:58	21° <b>Υ</b> 17'01	
5	-6232 Aug 12 j 02:34	0ංම			-6227 Sep 12 j 20:17	0°8	
	-6232 Sep 22 j 06:21	$0^{\circ}\Omega$		retrograde	-6227 Oct 29 j 12:50	10° <b>8</b> 38'12	
morning rise	-6232 Sep 23 j 09:36	0° <b>Q</b> 50'41		opposition	-6227 Dec 07 j 04:25	1° <b>8</b> 38'45	3°38'27
	-6232 Oct 31 j 22:55	0° <b>m</b>		greatest brilliancy	-6227 Dec 07 j 14:03	1° <b>8</b> 29'17	-1.4m
	-6232 Dec 09 j 20:43	0∘ <b>亚</b>		min. Earth dist.	-6227 Dec 10 j 22:53	0° <b>8</b> 09'47	0.64469 AU
desc. node	-6232 Dec 23 j 09:51	10° <b>£</b> 28'18			-6227 Dec 11 j 08:54	30° <b>₹</b> Υ	
	-6231 Jan 17 j 19:32	0° <b>M</b> ₊		direct	-6226 Jan 17 j 06:19	21° <b>Y</b> 38'04	
	-6231 Feb 26 j 18:32	0° <b>∡</b> 7			-6226 Feb 26 j 07:27	$9^{\circ}$ 8	
					-		
	-6231 Apr 10 j 00:41 -6231 May 27 j 01:49	ರ°0 š0			-6226 Apr 26 j 19:45 -6226 Jun 12 j 02:57	0°© ∏	

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 18 Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style.

Attention, astronom		ie year -6398 i	n astronomical co	unting style is the year	6399 BCE in historical c	ounting style.	
	-6226 Jul 23 j 20:41	$0^{\circ}\Omega$		behind sun end	-6221 May 02 j 12:38	22° <b>)</b> 23′46	
desc. node	-6226 Aug 14 j 22:52	16° <b>Ω</b> 40'30		max. Earth dist.	-6221 May 03 j 18:54	23° <b>¥</b> 12′05	2.66740 AU
	-6226 Sep 01 j 06:18	0° <b>m</b> )			-6221 May 14 j 10:30	0° <b>Υ</b>	
	-6226 Oct 09 j 16:28	0∘ <b>⊽</b>		morning rise	-6221 Jun 17 j 04:04	21° <b>Y</b> '33'14	
	-6226 Nov 17 j 05:32	0° <b>M</b> ₊			-6221 Jun 30 j 08:10	0°B	
evening set	-6226 Dec 02 j 15:02	11° <b>M</b> 47'59			-6221 Aug 15 j 17:40	0°II	
	-6226 Dec 26 j 19:06	0° <b>∡</b> ¹			-6221 Sep 30 j 12:45	0°©	
. ,.	(225 E. 1. 01 : 10. 42	260 742410	1000122		-6221 Nov 15 j 01:45	0° <b>N</b>	
conjunction	-6225 Feb 01 j 10:43	26° <b>₹</b> '43'10			-6221 Dec 31 j 07:15	0° my	
minimum elong	-6225 Feb 01 j 11:37	26° <b>₹</b> '44'46	1°08'55		-6220 Feb 19 j 12:20	0° <b>⊽</b>	
Fauth diet	-6225 Feb 06 j 01:20	0°る	2.5222( AII	desc. node	-6220 Apr 06 j 04:44	19° <b>₽</b> 14'29	
max. Earth dist.	-6225 Mar 10 j 06:21		2.53226 AU	retrograde	-6220 Apr 24 j 14:06	21° <b>£</b> 25'09	0.20216 ATT
	-6225 Mar 21 j 09:10	0°≈ 5° 54124		min. Earth dist.	-6220 May 22 j 15:19	16° <b>₽</b> 49'55	
morning rise	-6225 Mar 30 j 03:54	5° <b>≈</b> 54'24 0° <b>米</b>		opposition	-6220 May 26 j 01:55	15° <b>£</b> 52'59 16° <b>£</b> 02'17	
	-6225 May 05 j 19:46 -6225 Jun 22 j 07:50	0 K 0°Υ		greatest brilliancy direct	-6220 May 25 j 12:27 -6220 Jun 25 j 03:33	10° <u>2</u> 48'00	-2.9111
asc. node	-6225 Jul 11 j 21:51	11° <b>Υ</b> 57'49		direct	-6220 Aug 25 j 22:45	0°M	
asc. Houc	-6225 Aug 11 j 09:43	0°8			-6220 Oct 17 j 00:42	0° <b>⊼</b> ¹	
	-6225 Oct 06 j 19:53	0°II			-6220 Dec 03 j 19:18	0°ਤੇ	
retrograde	-6225 Dec 10 j 21:25	18° <b>Ⅱ</b> 32'00			-6219 Jan 20 j 02:29	0° <b>≈</b>	
opposition	-6224 Jan 16 j 04:34	10° <b>Ⅱ</b> 42'02	5°27'18	asc. node	-6219 Mar 02 j 07:21	26°≈00'54	
greatest brilliancy	-6224 Jan 17 j 12:06	10° <b>Ⅱ</b> 12'48	-1.8m	use. Houe	-6219 Mar 08 j 15:07	0° <b>∀</b>	
min. Earth dist.	-6224 Jan 23 j 10:58	8° <b>Ⅱ</b> 01'01	0.55912 AU	evening set	-6219 Apr 21 j 19:39	27° <b>¥</b> 54'22	
direct	-6224 Feb 25 j 01:39	1° <b>I</b> I15'53	0.00912110	evening sec	-6219 Apr 25 j 02:51	0° <b>Υ</b>	
	-6224 May 13 j 22:17	0° <b>©</b>		max. Earth dist.	-6219 May 26 j 14:22		2.65486 AU
	-6224 Jun 28 j 18:56	$0^{\circ}\Omega$			, ,		
desc. node	-6224 Jul 01 j 23:25	2° <b>Ω</b> 14'59		conjunction	-6219 Jun 07 j 21:24	28° <b>Ƴ</b> 01'43	0°49'56
	-6224 Aug 08 j 19:53	0° <b>m</b> )		minimum elong	-6219 Jun 07 j 20:03	27° <b>Y</b> ′59'32	0°50'06
	-6224 Sep 17 j 05:17	0∘ <u>⊽</u>		C	-6219 Jun 10 j 22:26	0°B	
	-6224 Oct 26 j 12:53	$0^{\circ}$ M		morning rise	-6219 Jul 23 j 17:06	28° <b>8</b> 08'21	
	-6224 Dec 05 j 19:26	0° <b>∡</b> ¹			-6219 Jul 26 j 11:54	$\Pi^{\circ}$	
	-6223 Jan 16 j 16:55	ರ°0			-6219 Sep 08 j 13:16	$0$ $\circ$ $\odot$	
evening set	-6223 Jan 27 j 22:39	7° <b>る</b> 49'25			-6219 Oct 21 j 04:31	$0^{\circ}\Omega$	
	-6223 Mar 01 j 12:03	0° <b>≈</b> ≈			-6219 Dec 01 j 17:46	0° <b>m</b> )	
					-6218 Jan 11 j 18:58	0∘ <b>⊽</b>	
conjunction	-6223 Mar 22 j 00:26	13° <b>≈</b> 38′28	-0°36'58	desc. node	-6218 Feb 22 j 07:29	29° <b>ჲ</b> 53'46	
minimum elong	-6223 Mar 22 j 01:56	13° <b>≈</b> 40'55	0°37'17		-6218 Feb 22 j 11:02	$0^{\circ}$ M	
max. Earth dist.	-6223 Apr 08 j 15:53		2.62584 AU		-6218 Apr 08 j 10:45	0° <b>∡</b> ¹	
	-6223 Apr 16 j 01:11			retrograde	-6218 Jun 24 j 22:48	29° <b>₹</b> 751'31	
morning rise	-6223 May 10 j 16:38	15° <b>¥</b> 51'55		min. Earth dist.	-6218 Jul 24 j 01:12	24° <b>∡</b> ¹04'12 −	
asc. node	-6223 May 28 j 16:59	27° <b>)</b> € 20'43		greatest brilliancy	-6218 Jul 30 j 12:16	21° <b>∡</b> ¹45′04	
	-6223 Jun 01 j 21:23	0° <b>Υ</b>		opposition	-6218 Aug 01 j 01:08	21° <b>⋌</b> 11'44	-5°53'06
	-6223 Jul 19 j 13:58	0° <b>B</b>		direct	-6218 Sep 03 j 14:26	14° <b>∡</b> *08'34	
	-6223 Sep 06 j 04:19	0°II			-6218 Oct 31 j 01:18	5°0	
	-6223 Oct 27 j 02:34	0° <b>©</b>		1	-6218 Dec 27 j 04:46	0°≈	
	-6223 Dec 27 j 13:37	0° <b>Ω</b> 8° <b>Ω</b> 29'30		asc. node	-6217 Jan 18 j 06:09	12° <b>≈</b> 45'42 0° <b> ∺</b>	
retrograde opposition	-6222 Feb 06 j 04:14 -6222 Mar 10 j 13:41	2°Ω32'11	4°23'33		-6217 Feb 16 j 06:02 -6217 Apr 06 j 06:17	0 K 0°Υ	
greatest brilliancy	-6222 Mar 11 j 22:21	$2^{\circ}\Omega_{06'53}$	-2.5m		-6217 May 23 j 13:39	0°8	
min. Earth dist.	-6222 Mar 18 j 07:20	0° <b>Ω</b> 09'01	0.43345 AU	evening set	-6217 May 30 j 19:03	4° <b>8</b> 41'27	
iiiii. Eartii dist.	-6222 Mar 18 j 19:23	30°RS	0.43343 AU	max. Earth dist.	-6217 Jun 22 j 06:24	19° <b>8</b> 29'11	2.58988 AU
direct	-6222 Apr 14 j 18:45	25°\$25'56		max. Larur dist.	-6217 Jul 07 j 22:16	0° <b>П</b>	2.30700 AC
direct	-6222 May 11 j 10:43	0° <b>Ω</b>			-021/Jul 0/j 22.10	νд	
desc. node	-6222 May 20 j 02:02	3° <b>Ω</b> 06'56		conjunction	-6217 Jul 17 j 18:49	6° <b>Ⅱ</b> 42'16	1°11'17
dese. Hode	-6222 Jul 08 j 19:32	0° <b>m</b>		minimum elong	-6217 Jul 17 j 18:26	6° <b>Ⅱ</b> 41'37	
	-6222 Aug 22 j 00:05	0∘ <b>⊽</b>		mmmum viong	-6217 Aug 20 j 05:40	0°9	1 1130
	-6222 Oct 03 j 00:33	0° <b>M</b> ,		morning rise	-6217 Sep 04 j 14:47	10° <b>©</b> 59'23	
	-6222 Nov 14 j 05:12	0° <b>∡</b> ¹		2	-6217 Sep 30 j 16:27	0°N	
	-6222 Dec 27 j 13:22	0°ਰ			-6217 Nov 09 j 17:35	0° <b>m</b> )	
	-6221 Feb 10 j 09:30	0° <b>≈</b>			-6217 Dec 19 j 00:10	0∘ <b>⊽</b>	
evening set	-6221 Mar 14 j 04:08	20° <b>≈</b> 43'38		desc. node	-6216 Jan 10 j 05:53	17° <b>≙</b> 00'57	
-	-6221 Mar 28 j 13:12	0° <b>∀</b>			-6216 Jan 27 j 07:54	0° <b>M</b>	
asc. node	-6221 Apr 15 j 11:25	11° <b>¥</b> 29'59			-6216 Mar 07 j 18:43	0° <b>∡</b> ⊓	
	-				-6216 Apr 20 j 01:59	ರ∘ರ	
conjunction	-6221 May 01 j 20:44	21° <b>¥</b> 58′24	0°09'16		-6216 Jun 10 j 02:35	0° <b>≈</b>	
minimum elong	-6221 May 01 j 20:24	21° <b>¥</b> 57'51	0°09'10	retrograde	-6216 Aug 06 j 00:18	16° <b>≈</b> 46′01	
behind sun begin	-6221 May 01 j 04:09	21° <b>米</b> 31′56		min. Earth dist.	-6216 Sep 09 j 10:59	8° <b>≈</b> 55'00	0.59986 AU

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 19 Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style.

Attention, astronomi	cal year style is used: Th	e year -6398 i	n astronomical cou	nting style is the year	6399 BCE in historical co	ounting style.	
opposition	-6216 Sep 14 j 13:39	6° <b>≈</b> 53'06	-3°10'36	evening set	-6211 Nov 06 j 12:11	15° <b>≏</b> 45'30	
greatest brilliancy	-6216 Sep 14 j 00:58	7° <b>≈</b> 05'42	-1.7m		-6211 Nov 24 j 19:29	$0^{\circ}$ M	
	-6216 Oct 05 j 13:13	30°Ŗる			-6210 Jan 03 j 05:16	0° <b>∡</b> ¹	
direct	-6216 Oct 21 j 19:34	28° <b>る</b> 13'39					
_	-6216 Nov 08 j 06:30	0° <b>≈</b>		conjunction	-6210 Jan 09 j 04:52	4° <b>₹</b> 27'21	
asc. node	-6216 Dec 05 j 08:10	8°≈03'09		minimum elong	-6210 Jan 09 j 03:45	4° <b>₹</b> 25'15	1°08'37
	-6215 Jan 21 j 11:20 -6215 Mar 15 j 17:52	0° <b>∀</b> 0° <b>Υ</b>		may Earth dist	-6210 Feb 13 j 07:42 -6210 Feb 22 j 10:53	0°る 6° <b>ろ</b> 2007	2.48376 AU
	-6215 May 03 j 12:42	0°8		max. Earth dist. morning rise	-6210 Mar 10 j 18:09	6 32807 17° <b>る</b> 50'23	2.48376 AU
	-6215 Jun 18 j 06:14	0°II		morning risc	-6210 Mar 28 j 13:16	0°≈	
evening set	-6215 Jul 11 j 14:34	16° <b>Ⅱ</b> 02'31			-6210 May 13 j 02:12	0° <b>ℋ</b>	
max. Earth dist.	-6215 Jul 27 j 02:59		2.48051 AU		-6210 Jun 30 j 04:18	0° <b>Υ</b>	
	-6215 Jul 31 j 08:32	0°ഇ		asc. node	-6210 Jul 28 j 13:40	16° <b>Ƴ</b> 46'04	
					-6210 Aug 21 j 06:53	$9^{\circ}$ 8	
conjunction	-6215 Sep 02 j 02:35	23°554'42	0°54'35		-6210 Oct 30 j 10:29	$\Pi^{\circ}0$	
minimum elong	-6215 Sep 02 j 04:45	23° <b>©</b> 58'43	0°54'56	retrograde	-6210 Nov 23 j 05:00	3° <b>Ⅱ</b> 07'04	
	-6215 Sep 10 j 06:15	$0^{\circ}\Omega$			-6210 Dec 15 j 05:22	30° <b>₹</b> 8	
	-6215 Oct 19 j 14:33	0° <b>m</b> )		opposition	-6210 Dec 30 j 14:04	24° <b>8</b> 45'40	
morning rise	-6215 Oct 29 j 17:02	7° <b>m</b> 49'50		greatest brilliancy	-6210 Dec 31 j 12:31	24° <b>8</b> 24'13	
desc. node	-6215 Nov 27 j 01:09	29° m 55'10		min. Earth dist.	-6209 Jan 05 j 13:46		0.59933 AU
	-6215 Nov 27 j 03:38	0∘ <b>⊽</b>		direct	-6209 Feb 09 j 05:25	14° <b>8</b> 57'37	
	-6214 Jan 04 j 17:47 -6214 Feb 13 j 06:25	0° <b>™</b> 0° <i>⊼</i> ¹			-6209 Apr 04 j 20:57 -6209 May 27 j 06:20	$0 ^{\circ}$ O	
	-6214 Mar 26 j 16:32	0°る			-6209 Jul 09 j 15:58	0° <b>U</b>	
	-6214 May 10 j 07:10	0°≈		desc. node	-6209 Jul 19 j 15:32	7° <b>Ω</b> 18'31	
	-6214 Jun 30 j 06:22	0° <b>)</b> €		dese. Hode	-6209 Aug 18 j 19:04	0° m)	
retrograde	-6214 Sep 11 j 02:04	23° <b>)</b> €35'22			-6209 Sep 26 j 15:57	0∘ <u>⊽</u>	
min. Earth dist.	-6214 Oct 19 j 14:44	14° <b>₩</b> 19'15	0.66145 AU		-6209 Nov 04 j 13:47	0°M	
opposition	-6214 Oct 21 j 01:21	13° <b>)</b> 44′20	-0°05'36		-6209 Dec 14 j 11:37	0° <b>∡</b> ¹	
greatest brilliancy	-6214 Oct 21 j 01:21	13° <b>) √</b> 44′21	-1.4m	evening set	-6208 Jan 08 j 10:12	18° <b>₹</b> 09'48	
asc. node	-6214 Oct 23 j 11:46	12° <b>)</b> 45′38			-6208 Jan 25 j 01:15	0° <b>ට</b>	
direct	-6214 Nov 29 j 19:23	4° <b>)</b> 10′28				_	
	-6213 Feb 18 j 04:05	0° <b>Υ</b>		conjunction	-6208 Mar 04 j 04:29	27°る01'34	
	-6213 Apr 12 j 14:03	0°B		minimum elong	-6208 Mar 04 j 06:21	27° <b>る</b> 04'44	0°53'01
	-6213 May 29 j 17:06	0ಂ <b>ಎ</b> 0ಂⅡ		may Earth dist	-6208 Mar 08 j 14:13	0°≈ 13°226'07	2.59500 AU
	-6213 Jul 12 j 03:31 -6213 Aug 21 j 22:43	0° <b>U</b>		max. Earth dist.	-6208 Mar 28 j 23:17 -6208 Apr 23 j 00:26	13 ≈3607 0° <b>∺</b>	2.39300 AU
evening set	-6213 Sep 02 j 08:40	8° <b>Ω</b> 39'30		morning rise	-6208 Apr 25 j 02:25	1° <b>∺</b> 20'58	
evening set	-6213 Sep 30 j 00:19	0° <b>m</b> )		morning rise	-6208 Jun 08 j 23:59	0° <b>Υ</b>	
desc. node	-6213 Oct 14 j 20:35	11° mp 36'35		asc. node	-6208 Jun 14 j 10:08	3° <b>Y</b> 24'36	
	j	•			-6208 Jul 27 j 07:44	0°8	
conjunction	-6213 Nov 02 j 19:27	26° Mp 30'12	-0°14'03		-6208 Sep 15 j 16:18	$\Pi^{\circ}0$	
minimum elong	-6213 Nov 02 j 18:11	$26^\circ$ Mp $27^\circ$ 42	0°13'58		-6208 Nov 11 j 11:49	0ං <b>ම</b>	
behind sun begin	-6213 Nov 02 j 03:45	25° <b>m</b> 59'20		retrograde	-6207 Jan 11 j 14:25	16°955'06	
behind sun end	-6213 Nov 03 j 08:36	26° Mp 56'04		opposition	-6207 Feb 14 j 18:28	10° <b>©</b> 08'39	5°27'36
max. Earth dist.	-6213 Nov 02 j 13:50	26° <b>m</b> 19'10	2.37798 AU	greatest brilliancy	-6207 Feb 16 j 10:23	9° <b>©</b> 34'44	-2.2m
	-6213 Nov 07 j 06:07	0∘ <b>⊽</b>		min. Earth dist.	-6207 Feb 23 j 06:03	7°517'00	0.48342 AU
	-6213 Dec 15 j 14:07	0°M		direct	-6207 Mar 24 j 08:36	1°951'27	
morning rise	-6212 Jan 08 j 21:19	18°M40'42		desc. node	-6207 Jun 05 j 18:03	28° <b>©</b> 44'34 0° <b>Ω</b>	
	-6212 Jan 23 j 21:11 -6212 Mar 04 j 21:32	ರ°0 ರ್			-6207 Jun 07 j 20:04 -6207 Jul 22 j 21:03	0° <b>m</b> )	
	-6212 Apr 17 j 07:18	0°≈			-6207 Sep 02 j 01:34	0° <del>ت</del> راال	
	-6212 Jun 02 j 21:06	0° <b>₩</b>			-6207 Oct 12 j 13:03	0° <b>M</b> ₊	
	-6212 Jul 24 j 21:55	0°Υ			-6207 Nov 22 j 17:10	0° <b>∡</b> ¹	
asc. node	-6212 Sep 09 j 14:18	20° <b>Ƴ</b> 48'06			-6206 Jan 04 j 07:43	0°ರ	
retrograde	-6212 Oct 15 j 03:55	27° <b>Y</b> 26'20			-6206 Feb 17 j 15:30	0° <b>≈</b>	
opposition	-6212 Nov 23 j 09:15	18° <b>Ƴ</b> 07'51	2°41'18	evening set	-6206 Feb 25 j 14:25	5° <b>≈</b> 16′13	
greatest brilliancy	-6212 Nov 23 j 13:00	18° <b>Ƴ</b> 04'07	-1.4m		-6206 Apr 04 j 11:41	0° <b>∀</b>	
min. Earth dist.	-6212 Nov 25 j 16:22	17° <b>Y</b> 13′02	0.66167 AU				
direct	-6211 Jan 03 j 08:43	8° <b>℃</b> 08'41		conjunction	-6206 Apr 16 j 15:08	7° <b>)</b> 49′28	
	-6211 Mar 15 j 09:24	0°B		minimum elong	-6206 Apr 16 j 15:30	7° <b>¥</b> 50′03	0°09'01
	-6211 May 06 j 16:49	0°II		behind sun begin	-6206 Apr 15 j 22:45	7° <b>∺</b> 23′08	
	-6211 Jun 20 j 15:12	0° <b>U</b> 0°©		behind sun end	-6206 Apr 17 j 08:15	8° <b>)</b> 16′57 12° <b>)</b> 47′08	2.65767 AU
desc. node	-6211 Jul 31 j 21:55 -6211 Aug 31 j 17:15	0°87 23° <b>Ω</b> 29'12		max. Earth dist. asc. node	-6206 Apr 24 j 08:33 -6206 May 02 j 04:14	12° <del>X</del> 47'08 17° <del>X</del> 47'43	2.03/0/ AU
2000. HOGO	-6211 Sep 09 j 02:48	0°M)		ase. Houe	-6206 May 21 j 06:56	0° <b>Υ</b>	
	-6211 Oct 17 j 09:46	0° <del>ت</del> راا		morning rise	-6206 Jun 02 j 21:19	8° <b>Υ</b> 01'44	
		-		<i>5 5</i>	J = · · · /		

Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style. -6206 Jul 07 i 09:27 0°8 greatest brilliancy -6201 Aug 29 j 13:28 21°る09'49 -1.8m-6206 Aug 23 j 09:53  $\mathbb{I}^{\circ 0}$ -6201 Oct 05 j 09:34 12°る40'27 direct -6206 Oct 09 j 12:13 0ಂತಾ -6201 Dec 06 j 05:50 0°≈  $0^{\circ}\Omega$ -6206 Nov 26 j 15:39 -6201 Dec 22 j 22:24 8°≈01'53 asc. node -6200 Feb 01 j 18:00 0°**)**€ -6205 Jan 18 j 08:34  $0^{\circ}$  mb  $0^{\circ}\Upsilon$ -6205 Mar 25 j 11:56 retrograde  $20^{\circ}$  Mp 41'02-6200 Mar 23 j 18:11 0°8 desc. node -6205 Apr 23 j 22:10 15° m 54'53 -6200 May 10 j 19:19 opposition -6205 Apr 25 j 01:32 15° To 36'35 -0°05'19 evening set -6200 Jun 24 j 03:52 29°**8**12'26 greatest brilliancy -6205 Apr 25 j 01:41 15° Mp 36'29 -3.0m -6200 Jun 25 j 07:59  $0^{\circ}\Pi$ min. Earth dist. -6205 Apr 27 j 00:48 15° Mp 04'57 0.38141 AU max. Earth dist. -6200 Jul 11 j 05:44 10°**Ⅲ**52'29 2.52755 AU direct -6205 May 25 j 22:01 10° m/20'04 -6200 Aug 07 j 11:33 0ಂತಾ -6205 Jul 26 j 06:24 0∘**⊽** -6205 Sep 14 j 01:45  $0^{\circ}$ M conjunction -6200 Aug 13 j 08:23 4°512'10 1°07'05 -6205 Oct 29 j 15:35 0°**√** minimum elong -6200 Aug 13 j 09:36 4°9514'21 1°07'28 -6205 Dec 13 j 22:23 0°ರ -6200 Sep 17 j 13:31  $0^{\circ}\Omega$ -6204 Jan 28 j 23:09 0°**≈** morning rise -6200 Oct 05 j 17:07 13°**Ω**38'46 -6204 Mar 15 j 19:30 0°**)**€ -6200 Oct 27 j 03:16 0° m asc. node -6204 Mar 18 j 22:33 1°**¥**59′23 -6200 Dec 04 j 21:44 0°Ω evening set -6204 Apr 06 j 18:53 13°\ 58'17 desc. node -6200 Dec 13 j 20:32 6°**£**56'59 -6204 May 01 j 23:51  $0^{\circ}\Upsilon$ -6199 Jan 12 j 16:35 0°M max. Earth dist. -6204 May 17 j 08:25 9°**Υ**47'49 2.66611 AU -6199 Feb 21 j 10:20 0°×7 -6199 Apr 04 i 06:05 0°궁 conjunction -6204 May 24 j 04:50 14°Υ10'48 0°35'44 -6199 May 20 i 00:57 0°≈ minimum elong -6204 May 24 j 03:41 14°Υ08'57 0°35'47 -6199 Jul 15 i 23:44 0°) -6204 Jun 17 j 18:47 0°8 -6199 Aug 28 j 11:15 10°**)**€06'21 retrograde -6204 Jul 08 j 20:30 13°**8**42'25 -6199 Oct 04 j 13:02 1°**升** 19'48 0.64454 AU min. Earth dist. morning rise -6204 Aug 02 j 14:01  $0^{\circ}II$ -6199 Oct 07 j 10:45 0°\mathbf{H}09'34 -1°15'53 opposition -6204 Sep 16 j 03:52 0ಂತಾ greatest brilliancy -6199 Oct 07 j 08:00 0°¥12'20 -1.5m -6204 Oct 29 j 14:37  $0^{\circ}\Omega$ -6199 Oct 07 j 20:16 30°R≈ -6204 Dec 11 j 07:07 0° m -6199 Nov 09 j 01:27 21°≈08'31 asc. node 0∘∙თ -6199 Nov 15 j 09:06 -6203 Jan 22 j 22:45 20°≈53'10 direct -6203 Mar 08 j 11:47 0°M -6199 Dec 28 j 08:12 0° <del>)(</del>  $0^{\circ}\Upsilon$ -6203 Mar 11 j 00:07 1°M35'57 -6198 Feb 28 j 22:05 desc. node -6203 May 03 j 16:21 -6198 Apr 20 j 19:43 0°8 0° **₹** -6203 Jun 04 j 00:58 -6198 Jun 06 j 05:42 retrograde 6° **₹** 18′20  $0^{\circ}\Pi$ -6203 Jul 01 j 06:09 min. Earth dist. 1°**≯**22'18 0.43749 AU -6198 Jul 19 j 11:34 0ಂತಾ -6203 Jul 05 j 11:33 30°R,ML evening set -6198 Aug 11 j 04:52 16°531'01 greatest brilliancy -6203 Jul 07 j 13:20 29°M18'54 -2.5m -6198 Aug 29 j 06:56  $0^{\circ}\Omega$ -6203 Jul 09 j 04:44 28°M46'26 -6°08'59 max. Earth dist. -6198 Sep 03 j 09:15 3°**Q**50′52 2.40649 AU opposition direct -6203 Aug 10 j 01:08 22°M35'25 -6203 Sep 15 j 11:31 0°**√** conjunction -6198 Oct 07 j 20:38 0° m 19'47 0° 17'26 -6203 Nov 15 j 21:01 0°る -6198 Oct 07 j 22:01  $0^{\circ}$  **m** 22'29  $0^{\circ}$  17'38 minimum elong -6202 Jan 05 j 23:24 -6198 Oct 07 j 10:27 0°≈ 0° m -6202 Feb 03 j 20:49 17°≈32'25 -6198 Oct 31 j 15:16 18° m 54'43 asc. node desc. node -6202 Feb 24 j 04:17 0°**)**€ -6198 Nov 14 j 18:21 0°Ω  $0^{\circ}\Upsilon$ -6202 Apr 13 j 10:31 morning rise -6198 Dec 11 i 14:35 21°**♀**01'17 20°**Y**19'40 -6202 May 15 j 11:28 -6198 Dec 23 i 03:43 0°M evening set -6202 May 30 j 11:40 0°8 -6197 Jan 31 j 11:30 0°×7 max. Earth dist. -6202 Jun 11 j 07:30 7°**8**42'12 2.62128 AU -6197 Mar 13 j 13:17 0°정 -6197 Apr 26 j 04:54 0°≈ -6202 Jul 01 j 18:38 21°812'54 1°06'20 -6197 Jun 12 j 17:14 0°\ conjunction minimum elong -6202 Jul 01 j 17:36 21°811'10 1°06'37 -6197 Aug 08 j 03:02  $0^{\circ}\Upsilon$ -6202 Jul 14 j 21:04  $0^{\circ}II$ -6197 Sep 27 j 04:28 14°**Y**19'42 asc. node 14°\bar{\gamma}29'41 -6202 Aug 17 j 21:30 23°**Ⅱ**19'45 -6197 Oct 02 j 08:12 morning rise retrograde -6202 Aug 27 j 10:06 0000 -6197 Nov 10 j 23:46 4°Υ55'37 1°39'29 opposition -6202 Oct 08 j 05:45  $0^{\circ}\Omega$ greatest brilliancy -6197 Nov 11 j 00:01 4°**Υ**55'22 -1.4m -6202 Nov 17 j 17:43 0° m min. Earth dist. -6197 Nov 11 j 19:29 4°**Υ**35'52 0.66916 AU -6202 Dec 27 j 12:07 0∘<u>ଫ</u> -6197 Nov 23 j 22:22 30°**₹**₩ 22°**♀**58'20 -6197 Dec 21 j 15:53 25°**₩**02'57 desc. node -6201 Jan 26 j 23:26 direct  $0^{\circ}\Upsilon$ 0°M -6201 Feb 05 j 09:17 -6196 Jan 21 j 03:00 0°8 -6201 Mar 18 j 16:58 0°**√** -6196 Mar 27 j 03:16 -6201 May 03 j 05:02 0°궁 -6196 May 15 j 12:10  $0^{\circ}\Pi$ -6201 Jul 14 j 14:22 0°≈ -6196 Jun 28 j 15:33 0 $\circ$  $\odot$ retrograde -6201 Jul 22 j 12:54 0°≈26'13 -6196 Aug 08 j 15:43 0° $\Omega$ -6201 Jul 30 j 06:49 30°Ŗる -6196 Sep 16 j 18:01 0° m -6201 Aug 24 j 00:52 23°る18'39 0.56060 AU -6196 Sep 17 j 11:18 0° m 33'41 min. Earth dist. desc. node -6201 Aug 30 j 11:28 20°る48'25 -4°22'04 -6196 Oct 10 j 17:15 18° Mp 46'52 opposition evening set

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:22, page 21 Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style.

Attention, astronom	ical year style is used: Th	ie year -6398 i	n astronomical cou	inting style is the year	6399 BCE in historical c	ounting style.	
	-6196 Oct 24 j 23:26	0∘ <b>⊽</b>		retrograde	-6190 Feb 22 j 08:21	22° <b>Ω</b> 48'27	
	-6196 Dec 02 j 07:20	$0^{\circ}$ M		opposition	-6190 Mar 25 j 20:34	17° <b>Ω</b> 16′54	3°10'41
				greatest brilliancy	-6190 Mar 26 j 18:04	17° <b>Ω</b> 01'07	-2.7m
conjunction	-6196 Dec 14 j 12:23	9°M25'34	-0°56'07	min. Earth dist.	-6190 Apr 01 j 04:30	15° <b>Ω</b> 25'57	0.40925 AU
minimum elong	-6196 Dec 14 j 09:15	9° <b>™</b> 19'34	0°56'19	direct	-6190 Apr 28 j 11:01	10° <b>Ω</b> 54'48	
	-6195 Jan 10 j 14:52	0° <b>∡</b> ¹		desc. node	-6190 May 10 j 13:26	11° <b>Ω</b> 54'41	
max. Earth dist.	-6195 Jan 31 j 06:41	15° <b>∡</b> 17'45	2.43258 AU		-6190 Jun 26 j 15:17	0° <b>m</b>	
morning rise	-6195 Feb 16 j 22:13	27° <b>∡</b> °21′03			-6190 Aug 13 j 22:45	0∘ <b>⊽</b>	
	-6195 Feb 20 j 15:06	0°ප			-6190 Sep 26 j 11:31	0°M₊	
	-6195 Apr 04 j 20:06	0° <b>≈</b>			-6190 Nov 08 j 12:03	0° <b>∡</b> ¹	
	-6195 May 20 j 14:21	0° <b>∀</b>			-6190 Dec 22 j 08:49	0°₹	
	-6195 Jul 08 j 14:34	$0^{\circ}$ Y			-6189 Feb 05 j 12:52	0° <b>≈</b>	
asc. node	-6195 Aug 14 j 05:34	20° <b>Y</b> 24'48		evening set	-6189 Mar 23 j 07:19	29° <b>≈</b> 37'44	
	-6195 Sep 02 j 11:00	$0^{\circ}$ 8			-6189 Mar 23 j 21:12	0° <b>)</b>	
retrograde	-6195 Nov 07 j 03:55	18° <b>8</b> 52'32		asc. node	-6189 Apr 05 j 16:19	8° <b>∺</b> 11'37	
opposition	-6195 Dec 15 j 10:06	10° <b>8</b> 05'08	4°08'30	max. Earth dist.	-6189 May 09 j 05:29	29° <b>)</b> 36′24	2.66918 AU
greatest brilliancy	-6195 Dec 15 j 23:52	9° <b>8</b> 51'43	-1.5m		-6189 May 09 j 20:16	$0^{\circ}\mathbf{\Upsilon}$	
min. Earth dist.	-6195 Dec 19 j 23:32	8° <b>8</b> 18'29	0.63134 AU				
direct	-6194 Jan 25 j 10:28	0° <b>8</b> 06'38		conjunction	-6189 May 10 j 10:41	0° <b>Υ</b> 22'59	0°19'23
	-6194 Apr 19 j 14:43	$\Pi$ $^{\circ}$ 0		minimum elong	-6189 May 10 j 09:59	0° <b>Υ</b> 21'51	0°19'21
	-6194 Jun 06 j 08:50	$0$ $\circ$ $\odot$		morning rise	-6189 Jun 25 j 09:40	29° <b>Ƴ</b> 49'09	
	-6194 Jul 18 j 14:01	$0^{\circ}\Omega$			-6189 Jun 25 j 16:25	$9^{\circ}$ 8	
desc. node	-6194 Aug 05 j 10:15	13° <b>Ω</b> 20'45			-6189 Aug 10 j 20:15	$\Pi^{\circ}0$	
	-6194 Aug 27 j 04:48	0° <b>m</b> )			-6189 Sep 25 j 03:24	0ංම	
	-6194 Oct 04 j 17:54	0∘ <b>⊽</b>			-6189 Nov 08 j 18:39	$0^{\circ}\Omega$	
	-6194 Nov 12 j 08:54	$0^{\circ}$ M			-6189 Dec 23 j 07:51	0° <b>m</b>	
evening set	-6194 Dec 16 j 14:31	25°M58'43			-6188 Feb 07 j 06:58	0∘ <b>⊽</b>	
•	-6194 Dec 22 j 00:07	0° <b>∡</b> ¹		desc. node	-6188 Mar 27 j 17:08	27° <b>£</b> 33'35	
	-6193 Feb 01 j 07:41	ರ°0			-6188 Apr 02 j 08:04	0°M	
	·			retrograde	-6188 May 10 j 08:31	8°M45'29	
conjunction	-6193 Feb 13 j 14:29	8° <b>ප</b> 39'01	-1°04'29	min. Earth dist.	-6188 Jun 06 j 07:25	4°M17'05	0.39676 AU
minimum elong	-6193 Feb 13 j 16:04	8° <b>ප</b> 41'46	1°04'52	greatest brilliancy	-6188 Jun 11 j 00:09	2°M55'00	-2.8m
Č	-6193 Mar 16 j 16:02	0° <b>≈</b>		opposition	-6188 Jun 12 j 03:02	2°M35'20	-5°06'33
max. Earth dist.	-6193 Mar 18 j 04:29	1° <b>≈</b> 01'31	2.55657 AU	11	-6188 Jun 21 j 13:52	30° <b>Ŗ</b> Ω	
morning rise	-6193 Apr 09 j 10:10	15° <b>≈</b> 51'49		direct	-6188 Jul 12 j 10:22	27° <b>£</b> 13'59	
	-6193 May 01 j 01:17	0° <b>)</b> €			-6188 Aug 02 j 16:32	0° <b>M</b>	
	-6193 Jun 17 j 07:09	0° <b>Υ</b>			-6188 Oct 08 j 05:00	0° <b>∡</b> 7	
asc. node	-6193 Jul 02 j 02:26	9° <b>Υ</b> 10'02			-6188 Nov 27 j 10:25	0°ಕ	
	-6193 Aug 05 j 13:31	0°8			-6187 Jan 14 j 17:30	0° <b>≈</b>	
	-6193 Sep 27 j 21:51	0°II		asc. node	-6187 Feb 20 j 12:46	22°≈59'08	
retrograde	-6193 Dec 21 j 21:50	28° <b>Ⅲ</b> 29'18			-6187 Mar 03 j 17:52	0° <b>)</b> €	
opposition	-6192 Jan 26 j 13:08	20° <b>∏</b> 59'41	5°36'32		-6187 Apr 20 j 11:20	0°Υ	
greatest brilliancy	-6192 Jan 28 j 01:02	20° <b>I</b> I27'13	-1.9m	evening set	-6187 Apr 30 j 10:11	6° <b>Υ</b> 18'40	
min. Earth dist.	-6192 Feb 03 j 10:00	18° <b>Ⅱ</b> 09'51		max. Earth dist.	-6187 Jun 01 j 05:25	26° <b>Y</b> 40'45	2.64498 AU
direct	-6192 Mar 05 j 18:56	11° <b>Ⅱ</b> 52'42	0.05500110	man. Darin digi.	-6187 Jun 06 j 08:32	0°8	2.01.50110
	-6192 May 03 j 20:51	0°ಅ			,,		
	-6192 Jun 21 j 20:30	$0^{\circ}\Omega$		conjunction	-6187 Jun 16 j 11:27	6° <b>8</b> 35'07	0°56'58
desc. node	-6192 Jun 22 j 10:57	0° <b>Ω</b> 24'38		minimum elong	-6187 Jun 16 j 10:07	6° <b>8</b> 32'56	0°57'10
	-6192 Aug 02 j 19:42	0° m)			-6187 Jul 21 j 20:30	0°II	
	-6192 Sep 11 j 16:26	0∘ <u>v</u>		morning rise	-6187 Aug 01 j 14:35	7° <b>Ⅱ</b> 15'07	
	-6192 Oct 21 j 07:24	0°M			-6187 Sep 03 j 17:13	0ංම 	
	-6192 Nov 30 j 19:35	0° <b>∡</b> 7			-6187 Oct 16 j 00:55	0°N	
	-6191 Jan 11 j 21:23	0° <b>ਰ</b>			-6187 Nov 26 j 03:56	0° <b>m</b> )	
evening set	-6191 Feb 07 j 18:39	18° <b>පි</b> 30'47			-6186 Jan 05 j 15:58	0∘ <b>⊽</b>	
e vennig see	-6191 Feb 24 j 19:26	0° <b>≈</b>		desc. node	-6186 Feb 12 j 17:36	28° <b>≏</b> 00′21	
		* -			-6186 Feb 15 j 11:40	0°M	
conjunction	-6191 Mar 31 j 15:18	22° <b>≈</b> 59'42	-0°26'54		-6186 Mar 30 j 12:37	0° <b>∡</b> 7	
minimum elong	-6191 Mar 31 j 16:24	23°≈01'30			-6186 May 21 j 07:14	0°ਤ ਹ°ਨ	
	-6191 Apr 11 j 09:53	0° <b>\</b>		retrograde	-6186 Jul 05 j 12:29	11° <b>る</b> 57'39	
max. Earth dist.	-6191 Apr 14 j 14:44		2.63932 AU	min. Earth dist.	-6186 Aug 04 j 20:50	5°る40'22	0.51425 AU
asc. node	-6191 May 18 j 21:11	24° <b>)</b> (04'07		greatest brilliancy	-6186 Aug 11 j 02:08	3° <b>ප</b> 21'20	
morning rise	-6191 May 19 j 07:35	24° <b>H</b> 20'42		opposition	-6186 Aug 12 j 10:17	2°පි51'16	
	-6191 May 28 j 04:48	0° <b>Υ</b>		Spromon	-6186 Aug 20 j 11:08	2 ℃31 10 30°R 🗷	2 -2 11
	-6191 Jul 14 j 15:03	0°8		direct	-6186 Sep 15 j 20:14	25° <b>₹</b> 122'48	
	-6191 Aug 31 j 12:56	0°П			-6186 Oct 14 j 10:14	0°名	
	-6191 Oct 19 j 16:01	0°©			-6186 Dec 20 j 02:11	0°≈	
	-6191 Dec 12 j 05:54	0°€0		asc. node	-6185 Jan 08 j 12:52	0 ∞ 10°≈45'47	
	0171 200 12 J 00.54	~ UC		100. 11000	0100 tun 00 j 12.32	10 /01/10 1/	

•	ical year style is used: Th		•	, ·		, ,	0 22
•	-6185 Feb 10 j 18:15	0° <b>∀</b>			-6180 Jan 19 j 02:24	0° <b>⊼</b>	
	-6185 Apr 01 j 08:57	$0^{\circ}\Upsilon$		morning rise	-6180 Jan 24 j 01:56	3° <b>х</b> 43′29	
	-6185 May 18 j 22:10	$9^{\circ}$ 8			-6180 Feb 29 j 01:27	ರ∘ರ	
evening set	-6185 Jun 08 j 18:56	13° <b>8</b> 36'03			-6180 Apr 12 j 07:30	0° <b>≈</b>	
max. Earth dist.	-6185 Jun 29 j 00:02	27° <b>8</b> 03'49	2.56936 AU		-6180 May 28 j 11:06	0° <b>∀</b>	
	-6185 Jul 03 j 08:24	$\Pi$ °0			-6180 Jul 17 j 23:41	$0^{\circ}\Upsilon$	
				asc. node	-6180 Aug 30 j 19:44	21° <b>Y</b> ′55'33	
conjunction	-6185 Jul 27 j 09:32	16° <b>Ⅱ</b> 29'47			-6180 Sep 21 j 10:51	$0^{\circ}$ 8	
minimum elong	-6185 Jul 27 j 09:41	16° <b>Ⅲ</b> 30′03	1°12'02	retrograde	-6180 Oct 23 j 07:45	5° <b>8</b> 24'53	
	-6185 Aug 15 j 14:33	$0$ $\circ$ $\infty$			-6180 Nov 21 j 10:00	30° <b>Ŗ</b> ♈	
morning rise	-6185 Sep 15 j 13:51	22° <b>©</b> 22'17		opposition	-6180 Dec 01 j 06:11	26° <b>Y</b> 16'17	
	-6185 Sep 25 j 22:06	0° <b>N</b>		greatest brilliancy	-6180 Dec 01 j 12:55	26° <b>Y</b> ′09'37	-1.4m
	-6185 Nov 04 j 18:45	0° <b>m</b>		min. Earth dist.	-6180 Dec 04 j 08:30	25° <b>Y</b> ′02'49	0.65357 AU
	-6185 Dec 13 j 20:25	0° <b>⊽</b>		direct	-6179 Jan 11 j 08:01	16° <b>Y</b> 15'40	
desc. node	-6185 Dec 31 j 14:47	13° <b>Ω</b> 40'54			-6179 Mar 05 j 19:29	0° <b>B</b>	
	-6184 Jan 21 j 22:25	0°M 0°. <b>7</b>			-6179 Apr 30 j 13:29	0° <b>Ⅱ</b>	
	-6184 Mar 02 j 01:01	0° <b>∡</b> 7			-6179 Jun 15 j 06:48	0° <b>©</b>	
	-6184 Apr 13 j 14:30	0°る		1 1	-6179 Jul 26 j 20:32	0°N	
	-6184 May 31 j 18:21	0°≈ 25°2 250115		desc. node	-6179 Aug 22 j 03:25	19° <b>Ω</b> 55'26	
retrograde	-6184 Aug 14 j 09:28	25°≈50'15 17°≈38'08	0.61832 AU		-6179 Sep 04 j 04:28 -6179 Oct 12 j 13:15	0ം <b>ट</b> 0ം <b>സ്</b>	
min. Earth dist.	-6184 Sep 18 j 20:06 -6184 Sep 23 j 04:25	17 ≈38 08 15°≈53'48			3	0°M	
opposition greatest brilliancy	-6184 Sep 22 j 20:06	15 ≈3348 16°≈02'08	-2 28 23 -1.6m	evening set	-6179 Nov 20 j 00:15 -6179 Nov 21 j 10:29	1°M.06'08	
direct	-6184 Oct 31 j 02:18	6°≈59'44	-1.0111	evening set	-6179 Dec 29 j 11:07	0° <b>√</b>	
asc. node	-6184 Nov 25 j 15:28	10°≈36'13			-01/9 DCC 29 j 11.0/	0 🗡	
asc. node	-6183 Jan 13 j 17:05	0° <b>∺</b>		conjunction	-6178 Jan 22 j 16:23	17° <b>∡</b> 50'07	-1°09'39
	-6183 Mar 10 j 03:51	0°Υ		minimum elong	-6178 Jan 22 j 16:31	17° <b>х</b> 30°07	
	-6183 Apr 28 j 14:14	0°8		minimum ciong	-6178 Feb 08 j 14:24	0°る	1 10 02
	-6183 Jun 13 j 13:37	0°П		max. Earth dist.	-6178 Mar 04 j 02:07		2.51114 AU
evening set	-6183 Jul 22 j 03:09	26° <b>Ⅱ</b> 43'01		morning rise	-6178 Mar 22 j 01:42	28° <b>る</b> 48'59	
	-6183 Jul 26 j 17:38	0.ಂ 			-6178 Mar 23 j 19:37	0° <b>≈</b>	
max. Earth dist.	-6183 Aug 07 j 00:58	8°\$\$08'56	2.45362 AU		-6178 May 08 j 05:40	0° <b>∀</b>	
	-6183 Sep 05 j 14:51	$0^{\circ}\Omega$			-6178 Jun 24 j 21:43	$0^{\circ}$ Y	
				asc. node	-6178 Jul 18 j 19:14	14° <b>Y</b> 25'55	
conjunction	-6183 Sep 14 j 06:06	6° <b>Ω</b> 30'44	0°43'33		-6178 Aug 14 j 15:34	$9^{\circ}$ 8	
minimum elong	-6183 Sep 14 j 08:27	6° <b>Ω</b> 35'11	0°43'53		-6178 Oct 13 j 08:13	$\Pi^{\circ}0$	
	-6183 Oct 14 j 21:23	0° <b>m</b>		retrograde	-6178 Dec 03 j 00:26	12° <b>Ⅱ</b> 11'14	
morning rise	-6183 Nov 13 j 12:53	23°M) 06'26		opposition	-6177 Jan 08 j 20:32	4° <b>Ⅱ</b> 06'14	5°14'53
desc. node	-6183 Nov 17 j 11:41	26° Mp 11'54		greatest brilliancy	-6177 Jan 10 j 00:03		-1.7m
	-6183 Nov 22 j 08:16	0∘ <b>⊽</b>		min. Earth dist.	-6177 Jan 15 j 14:01		0.57824 AU
	-6183 Dec 30 j 19:54	$0^{\circ}$ M			-6177 Jan 19 j 23:46	30° <b>₹</b> 8	
	-6182 Feb 08 j 05:29	0° <b>∡</b>		direct	-6177 Feb 18 j 03:33	24° <b>8</b> 28'38	
	-6182 Mar 21 j 10:46	0°ප			-6177 Mar 21 j 00:35	0°П	
	-6182 May 04 j 13:18	0° <b>≈</b>			-6177 May 20 j 00:26	0°99	
	-6182 Jun 22 j 17:48	0° <b>)</b> €			-6177 Jul 03 j 16:25	0°N	
	-6182 Sep 02 j 16:07	0°Υ 1°Ω2 42 6		desc. node	-6177 Jul 10 j 03:11	4° <b>Ω</b> 38'06	
retrograde	-6182 Sep 18 j 20:20	1°Υ34'26			-6177 Aug 13 j 07:05	0° <b>m</b> )	
asa nada	-6182 Oct 04 j 02:47	30° <b>₹</b> 27° <b>¥</b> 26'02			-6177 Sep 21 j 10:26 -6177 Oct 30 j 12:42	0° <b>Մ</b> 0° <b>亞</b>	
asc. node opposition	-6182 Oct 13 j 18:17 -6182 Oct 28 j 18:10	21° <del>X</del> 26'02 21° <del>X</del> 48'20	0°34'03		-6177 Dec 09 j 14:03	0°IIに 0° <b>ズ</b> 「	
min. Earth dist.	-6182 Oct 28 j 18:10	21° <del>X</del> 48'20 22° <del>X</del> 03'59	0.66698 AU	evening set	-6176 Jan 20 j 08:25	0° <b>ズ</b> ′ 0° <b>ろ</b> 02'58	
greatest brilliancy	-6182 Oct 28 j 17:35	21° <b>X</b> 48'56	0.00098 AU -1.4m	evening set	-6176 Jan 20 j 06:44	0° <b>る</b> 0238	
direct	-6182 Dec 07 j 21:41	12° <b>H</b> 06'38	-1.4111		-6176 Mar 03 j 21:41	0° <b>≈</b>	
uncer	-6181 Feb 09 j 18:46	0° <b>Υ</b>			0170 Mai 05 j 21.41	0 701	
	-6181 Apr 06 j 19:56	0°8		conjunction	-6176 Mar 14 j 13:33	7° <b>≈</b> 08'15	-0°43'55
	-6181 May 24 j 15:23	0°П		minimum elong	-6176 Mar 14 j 15:16	7° <b>≈</b> 11'07	
	-6181 Jul 07 j 07:45	0°20		max. Earth dist.	-6176 Apr 04 j 08:36		2.61301 AU
	-6181 Aug 17 j 05:02	0°N			-6176 Apr 18 j 08:25	0° <b>)</b> €	
evening set	-6181 Sep 15 j 21:42	22° <b>Ω</b> 42'16		morning rise	-6176 May 04 j 03:59	10° <b>)</b> 12'43	
<i>3</i>	-6181 Sep 25 j 07:03	0° mp		asc. node	-6176 Jun 04 j 14:51	0°Υ15'28	
desc. node	-6181 Oct 05 j 07:08	7° <b>m</b> ) 48'51			-6176 Jun 04 j 05:04	0°Υ	
	-6181 Nov 02 j 12:40	0∘ <u>v</u>			-6176 Jul 22 j 02:59	0°8	
	,				-6176 Sep 09 j 08:43	0°II	
conjunction	-6181 Nov 18 j 02:47	12° <b>≏</b> 15'18	-0°31'29		-6176 Nov 01 j 03:34	0°9	
minimum elong	-6181 Nov 18 j 00:04	12° <b>≏</b> 09'58	0°31'29	retrograde	-6175 Jan 25 j 13:27	29° <b>©</b> 07'36	
	-6181 Dec 10 j 20:09	$0^{\circ}$ M		opposition	-6175 Feb 27 j 18:01	22° <b>©</b> 47'58	4°59'16
max. Earth dist.	-6181 Dec 21 j 15:34	8°M21'33	2.38719 AU	greatest brilliancy	-6175 Mar 01 j 07:42	22° <b>©</b> 17'27	-2.4m

•	ical year style is used: Th		•	, ·		, ,	
min. Earth dist.	-6175 Mar 08 j 00:55	-	0.45535 AU	evening set	-6170 May 24 j 05:01	28° <b>Y</b> ′55'06	
direct	-6175 Apr 05 j 03:28	15° <b>©</b> 07'27			-6170 May 25 j 21:10	0°8	
	-6175 May 26 j 09:47	$0^{\circ}\Omega$		max. Earth dist.	-6170 Jun 17 j 12:12	14° <b>8</b> 47'10	2.60494 AU
desc. node	-6175 May 27 j 05:55	0° <b>Ω</b> 25′28					
	-6175 Jul 14 j 23:09	0° <b>m</b>		conjunction	-6170 Jul 10 j 19:33	0° <b>Ⅱ</b> 20′56	1°09'47
	-6175 Aug 26 j 12:39	0∘ <b>⊽</b>		minimum elong	-6170 Jul 10 j 18:50		1°10'07
	-6175 Oct 06 j 17:46	$0^{\circ}$ M			-6170 Jul 10 j 07:09	$\Pi$ °0	
	-6175 Nov 17 j 09:12	0° <b>∡</b> ¹			-6170 Aug 22 j 17:58	0	
	-6175 Dec 30 j 07:50	0°ප		morning rise	-6170 Aug 27 j 18:34	3° <b>©</b> 33'21	
	-6174 Feb 12 j 20:56	0° <b>≈</b>			-6170 Oct 03 j 09:32	$0^{\circ}\Omega$	
evening set	-6174 Mar 07 j 04:52	14° <b>≈</b> 40'08			-6170 Nov 12 j 15:45	0° m/y	
	-6174 Mar 30 j 20:22	0° <b>)</b> {			-6170 Dec 22 j 03:27	0∘ <b>⊽</b>	
asc. node	-6174 Apr 22 j 08:55	14° <b>)</b> €28'06		desc. node	-6169 Jan 17 j 10:35	20° <b>⊆</b> 00'36	
. ,.	(174 ) 25 : 10 40	1.60 1/2.6107	0001146		-6169 Jan 30 j 16:05	0°M	
conjunction	-6174 Apr 25 j 10:40	16° <b>¥</b> 26'07	0°01'46		-6169 Mar 12 j 09:21	0° <b>∡</b> 7	
minimum elong	-6174 Apr 25 j 10:35	16° <b>¥</b> 25'59 15° <b>¥</b> 54'30	0°01'38		-6169 Apr 25 j 08:07	0°3	
behind sun begin	-6174 Apr 24 j 14:53			4 1 -	-6169 Jun 18 j 17:30	0°≈ 10°≈ •24'54	
behind sun end max. Earth dist.	-6174 Apr 26 j 06:16	16° <b>)</b> 57'27 19° <b>)</b> 16'44	2.66410 AU	retrograde min. Earth dist.	-6169 Jul 31 j 13:16 -6169 Sep 03 j 03:41	10°≈24'54 2°≈52'57	0.58320 AU
max. Earth dist.	-6174 Apr 29 j 21:21	19° <b>π</b> 16′ <del>44</del> 0° <b>Υ</b>	2.00410 AU			2°≈32'37' 0°≈37'05	
morning rise	-6174 May 16 j 16:16 -6174 Jun 11 j 02:57	0 1 16° <b>Υ</b> 14'04		opposition greatest brilliancy	-6169 Sep 08 j 21:37 -6169 Sep 08 j 05:05	0°≈53'23	
morning rise	-6174 Jul 02 j 15:51	0° <b>8</b>		greatest brilliancy	-6169 Sep 10 j 11:30	0 ≈33 23 30°Rる	-1./111
	-6174 Aug 18 j 07:43	0°II		direct	-6169 Oct 15 j 14:14	30 KO 22°る10'55	
	-6174 Oct 03 j 15:12	0ංම 0 ප		uncet	-6169 Nov 23 j 12:09	0° <b>≈</b>	
	-6174 Nov 19 j 03:06	0° <b>U</b>		asc. node	-6169 Dec 13 j 04:20	7° <b>≈</b> 54'26	
	-6173 Jan 06 j 08:12	0° m)		use. Houe	-6168 Jan 26 j 06:44	0° <b>∀</b>	
	-6173 Mar 05 j 04:01	0∘ <del>⊽</del>			-6168 Mar 18 j 12:23	0°Υ	
retrograde	-6173 Apr 12 j 09:44	8° <b>亞</b> 19'10			-6168 May 06 j 00:09	0°8	
desc. node	-6173 Apr 14 j 08:17	8° <b>≏</b> 17'40			-6168 Jun 20 j 16:48	0°II	
min. Earth dist.	-6173 May 12 j 02:25		0.37842 AU	evening set	-6168 Jul 03 j 22:59	9° <b>Ⅱ</b> 02'22	
opposition	-6173 May 13 j 04:27	3° <b>ჲ</b> 07'12		max. Earth dist.	-6168 Jul 19 j 19:35	20° <b>Ⅱ</b> 03'16	2.50208 AU
greatest brilliancy	-6173 May 13 j 00:25	3° <b>ჲ</b> 09'54	-3.0m		-6168 Aug 02 j 20:45	$0$ $\circ$ $\odot$	
	-6173 May 25 j 18:49	30°R, M)					
direct	-6173 Jun 12 j 08:47	28° Mp 04'46		conjunction	-6168 Aug 24 j 07:29	15° <b>©</b> 30'46	1°00'59
	-6173 Jun 29 j 16:29	0∘ <b>⊽</b>		minimum elong	-6168 Aug 24 j 09:17	15° <b>©</b> 34'05	1°01'21
	-6173 Sep 04 j 08:47	$0^{\circ}$ M			-6168 Sep 12 j 21:20	$0^{\circ}\Omega$	
	-6173 Oct 22 j 17:20	0° <b>∡</b>		morning rise	-6168 Oct 18 j 21:37	27° <b>N</b> 20'22	
	-6173 Dec 08 j 04:57	0°ප			-6168 Oct 22 j 08:32	0° <b>™</b>	
	-6172 Jan 23 j 20:35	0° <b>≈</b>			-6168 Nov 30 j 00:09	0∘ <b>⊽</b>	
asc. node	-6172 Mar 09 j 04:46	28° <b>≈</b> 49'45		desc. node	-6168 Dec 04 j 06:17	3° <b>≏</b> 18'51	
	-6172 Mar 11 j 01:07	0° <b>\</b>			-6167 Jan 07 j 16:00	0°M	
evening set	-6172 Apr 15 j 10:46	22° <b>)</b> (25'14			-6167 Feb 16 j 05:42	0° <b>∡</b> 7	
To all III	-6172 Apr 27 j 09:22	0°Υ 160 <b>0</b> 012100	2 ((004 444		-6167 Mar 29 j 18:02	ිප 0°ප	
max. Earth dist.	-6172 May 22 j 19:24	16° <b>Ƴ</b> 13'08	2.66094 AU		-6167 May 13 j 16:15	0° <b>≈</b>	
. ,.	(170 I 01:14 40	2200021100	0044116	1	-6167 Jul 05 j 05:52	0° <b>)</b> €	
conjunction	-6172 Jun 01 j 14:49	22° <b>Y</b> 31'08 22° <b>Y</b> 29'02	0°44'16 0°44'22	retrograde min. Earth dist.	-6167 Sep 05 j 07:59	18° <b>)</b> 21′16 9° <b>)</b> 18′08	0.65503 AU
minimum elong	-6172 Jun 01 j 13:31 -6172 Jun 13 j 04:53	0°8	0 44 22	opposition	-6167 Oct 13 j 05:40 -6167 Oct 15 j 08:21	8° <b>H</b> 27'03	
morning rise	-6172 Jul 17 j 07:04	22° <b>8</b> 17'53		greatest brilliancy	-6167 Oct 15 j 07:32	8° <b>\(\)</b> 27'53	-1.4m
	-6172 Jul 28 j 21:33	0°Ⅱ		asc. node	-6167 Oct 30 j 07:46	2° <b>H</b> 54'42	1.1111
	-6172 Sep 11 j 04:50	0.ಂ ೧ H		use. Hode	-6167 Nov 11 j 09:51	2 )(3442 30°R≈	
	-6172 Oct 24 j 04:47	0° <b>U</b>		direct	-6167 Nov 23 j 18:37	29° <b>≈</b> 00'32	
	-6172 Dec 05 j 05:02	0° mp			-6167 Dec 06 j 19:05	0° <b>∀</b>	
	-6171 Jan 15 j 20:35	0∘ <mark>⊽</mark>			-6166 Feb 22 j 04:44	0° <b>Υ</b>	
	-6171 Feb 27 j 10:26	0° <b>M</b> ,			-6166 Apr 15 j 11:46	0°8	
desc. node	-6171 Mar 01 j 11:06	1°M22'58			-6166 Jun 01 j 08:45	0°Щ	
	-6171 Apr 15 j 21:47	0° <b>∡</b> ¹			-6166 Jul 14 j 18:28	0°95	
retrograde	-6171 Jun 16 j 08:26	20° <b>∡</b> ³34'17		evening set	-6166 Aug 23 j 10:53	29° <b>©</b> 07'28	
min. Earth dist.	-6171 Jul 14 j 12:54	15° <b>∡</b> 10'32	0.46444 AU		-6166 Aug 24 j 14:48	$0^{\circ}\Omega$	
greatest brilliancy	-6171 Jul 21 j 00:31	12° <b>₹</b> ′55'52	-2.3m	max. Earth dist.	-6166 Sep 28 j 15:42	26° <b>Ω</b> 49'35	2.38603 AU
opposition	-6171 Jul 22 j 15:50	12° <b>∡</b> °21'31	-6°06'55		-6166 Oct 02 j 17:41	0° <b>m</b>	
direct	-6171 Aug 24 j 10:53	5° <b>∡</b> ¹40'54					
	-6171 Nov 06 j 21:12	ರ∘ರ		conjunction	-6166 Oct 22 j 05:42	15° <b>M</b> 14'35	
	-6171 Dec 30 j 19:35	0° <b>≈</b>		minimum elong	-6166 Oct 22 j 05:38	15° <b>m</b> 14'29	0°00'00
asc. node	-6170 Jan 25 j 03:08	14° <b>≈</b> 59'48		behind sun begin	-6166 Oct 21 j 22:15	15° Mp 00'01	
	-6170 Feb 18 j 23:44	0° <b>)</b> €		behind sun end	-6166 Oct 22 j 13:02	15° m 28'56	
	-6170 Apr 08 j 16:01	0° <b>Ƴ</b>		desc. node	-6166 Oct 22 j 01:33	15°Mp06'30	

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:23, Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style. -6166 Nov 10 j 00:26 0∘**⊽** direct -6160 Mar 16 j 02:20 23°**Ⅱ**15'05 -6166 Dec 18 j 08:35 0°M -6160 Apr 18 j 13:33 0ಂತಾ 7°**M**L12'17 -6166 Dec 27 j 16:05 -6160 Jun 12 j 21:38 29°921'06 desc. node morning rise -6160 Jun 13 j 21:48 -6165 Jan 26 j 14:55 0°×7  $0^{\circ}\Omega$ -6165 Mar 08 j 14:31 0°정 -6160 Jul 27 j 07:47 0° m -6160 Sep 05 j 19:59 0∘**⊽** -6165 Apr 21 j 00:43 0°≈ -6165 Jun 06 j 20:44 0°**)**€ -6160 Oct 15 j 20:55 0°M  $0^{\circ}\Upsilon$ -6165 Jul 30 j 03:56 0°×7 -6160 Nov 25 j 16:21 19°**Y**25′07 0°궁 asc. node -6165 Sep 17 j 10:58 -6159 Jan 06 j 23:51 22°**Y**21'37 retrograde -6165 Oct 10 j 05:52 evening set -6159 Feb 18 j 03:21 28°る42'09 opposition -6165 Nov 18 j 16:24 12°**Y**55'44 2°15'53 -6159 Feb 20 j 01:58 0°≈ greatest brilliancy -6165 Nov 18 j 18:17 12°**Υ**53'51 -1.4m -6159 Apr 06 j 18:40 0°**)**€ min. Earth dist. -6165 Nov 20 j 07:26 12°**Υ**16'46 0.66623 AU direct -6165 Dec 29 j 13:30 2°Y59'03 conjunction -6159 Apr 09 j 21:51 2°\dagger01'35 -0°16'29 -6164 Mar 19 j 22:59 0°8 minimum elong -6159 Apr 09 j 22:32 2°\colon 0°16'41 -6164 May 09 j 22:24  $0^{\circ}II$ max. Earth dist. -6159 Apr 20 j 07:24 8°**)** 44′00 2.65055 AU -6164 Jun 23 j 13:33 0ಂತಾ asc. node -6159 May 09 j 02:26 20°\ 46'58 -6164 Aug 03 j 18:33  $0^{\circ}\Omega$ -6159 May 23 j 13:03  $0^{\circ}\Upsilon$ desc. node -6164 Sep 07 j 21:58 26°**Ω**51'48 morning rise -6159 May 27 j 17:33 2° Y 40'00 -6164 Sep 11 j 22:48 0° m -6159 Jul 09 j 18:33 0°8 -6164 Oct 20 j 05:08 0∘**⊽** -6159 Aug 26 j 03:38  $0^{\circ}\Pi$ -6164 Oct 25 i 18:57 4°**£**22'59 -6159 Oct 13 i 00:17 0ಂತಾ evening set -6164 Nov 27 j 13:31 0°M -6159 Dec 01 j 22:20  $0^{\circ}\Omega$ -6158 Jan 30 i 23:32 0° m -6164 Dec 29 i 06:57 24°M17'26 -1°04'35 -6158 Mar 11 j 12:20  $8^{\circ}$  m 23'48conjunction retrograde -6164 Dec 29 j 04:50 24°M13'26 1°04'52 opposition -6158 Apr 11 j 09:21 3° m 12'05 minimum elong 1°28'57 -6163 Jan 05 j 21:11 0°×7 -6158 Apr 11 j 17:16 greatest brilliancy 3° Mp 06'36 -2.9 m -6163 Feb 14 j 02:38 28°**✗¹**43'47 2.46081 AU -6158 Apr 15 j 14:40 2° Mp 02'15 0.39070 AU max. Earth dist. min. Earth dist. 0°궁 -6158 Apr 23 j 14:01 -6163 Feb 15 j 21:18 30°R€ -6163 Mar 01 j 15:25 9°₹44'14 -6158 May 01 j 02:04 28° N 30'58 morning rise desc. node -6163 Mar 31 j 00:59 -6158 May 13 j 07:35 0°22 direct 27°**Ω**30′54 0°) -6158 Jun 01 j 22:11 -6163 May 15 j 14:26 0° m -6163 Jul 02 j 23:06  $0^{\circ}\Upsilon$ -6158 Aug 04 j 02:58 0∘ಹ 18°**Y**49'15 0°M -6163 Aug 04 j 11:04 -6158 Sep 19 j 05:43 asc. node -6158 Nov 02 j 10:43 0°**∡**7 -6163 Aug 25 j 05:34 0°8 27°**8**21'34 retrograde -6163 Nov 16 j 04:04 -6158 Dec 16 j 23:44 0°궁 opposition -6163 Dec 23 j 23:27 18°**8**47'50 4°35'54 -6157 Jan 31 j 13:40 0°≈ greatest brilliancy -6163 Dec 24 j 17:52 18°**8**30'03 -1.5m -6157 Mar 19 j 03:55 0°**)**€ min. Earth dist. -6163 Dec 29 j 08:06 16°**8**43'54 0.61478 AU -6157 Mar 26 j 20:41 4° **)** 54'58 asc. node direct -6162 Feb 02 j 20:04 8°**8**54'05 -6157 Apr 01 j 06:18 8°\ 21'40 evening set -6162 Apr 11 j 03:25  $0^{\circ}II$ -6157 May 05 j 05:37  $0^{\circ}\Upsilon$ -6162 May 31 j 04:24 0ಂತಾ -6157 May 14 j 15:06 5°Υ59'29 2.66862 AU max. Earth dist. -6162 Jul 13 j 01:42  $0^{\circ}\Omega$ -6162 Jul 26 j 19:52 10°**Ω**10′25 -6157 May 18 j 22:35 8°Y44'43 0°29'05 desc. node conjunction -6162 Aug 21 j 23:30 -6157 May 18 j 21:36 8°**Y**43'08 0°29'05 0° M minimum elong -6162 Sep 29 i 16:49 0∘**⊽** -6157 Jun 21 i 01:17 0°8 -6162 Nov 07 j 11:03 0°M morning rise -6157 Jul 03 i 15:54 8°809'45 -6162 Dec 17 i 04:49 0°×7 -6157 Aug 06 i 00:40  $0^{\circ}II$ -6162 Dec 29 j 19:56 9°**х** 17'46 -6157 Sep 19 j 22:09 0ಂತಾ evening set -6161 Jan 27 j 14:29 0°궁 -6157 Nov 02 j 20:54  $0^{\circ}\Omega$ -6157 Dec 16 j 06:28 0° m -6161 Feb 24 j 23:51 19°る47'05 -0°58'17 -6156 Jan 29 j 01:06 0∘**⊽** conjunction -6161 Feb 25 j 01:43 19°る50'17 0°58'39 minimum elong -6156 Mar 16 j 02:10 oom. -6161 Mar 11 j 23:57 0°22 desc. node -6156 Mar 18 j 04:23 1°M12'45 max. Earth dist. -6161 Mar 25 j 06:54 8°≈55'06 2.57872 AU retrograde -6156 May 24 j 20:54 25°M10'35 -6161 Apr 19 j 02:58 25°≈17'50 min. Earth dist. -6156 Jun 20 j 15:08 20°M31'30 0.41740 AU morning rise -6161 Apr 26 j 08:30 0°**)** greatest brilliancy -6156 Jun 26 j 10:38 18°M43'25 -2.6m  $0^{\circ}\Upsilon$ -6161 Jun 12 j 09:29 -6156 Jun 27 j 22:37 18°M15'16 -5°54'40 opposition -6161 Jun 22 j 08:01 6°Y12'50 -6156 Jul 29 j 00:49 12°M28'01 asc. node direct -6161 Jul 31 j 01:12 0°8 0°**∡**7 -6156 Sep 26 j 19:10  $0^{\circ}\Pi$ 0°ರ -6161 Sep 20 j 10:18 -6156 Nov 20 j 10:33 -6161 Nov 21 j 06:46 0 $\circ$  $\odot$ -6155 Jan 09 j 02:49 0°≈ retrograde -6160 Jan 02 j 18:45 9°903'54 asc. node -6155 Feb 10 j 18:14 20°≈05'59 opposition -6160 Feb 06 j 15:40 1°957'16 5°35'55 -6155 Feb 26 j 17:59 0°**)**€ greatest brilliancy -6160 Feb 08 j 06:47 1°**©**23'01 -2.1m -6155 Apr 15 j 18:25  $0^{\circ}\Upsilon$ 

-6155 May 09 j 01:14

-6155 Jun 01 j 18:23

evening set

29°**Д**03'06 0.50625 AU

14° **Y**45'34

0°8

-6160 Feb 12 j 05:36

-6160 Feb 14 j 23:51

min. Earth dist.

-6155 Aug 14 j 17:11 0°Υ conjunction -6155 Jun 25 j 04:13 15° 818′06 1°02′51 retrograde -6150 Sep 26 j 13:52 9°Υ26′34 minimum elong -6155 Jun 25 j 03:01 15° 816′07 1°03′06 asc. node -6150 Oct 04 j 01:07 9°Υ04′24 -6155 Jul 17 j 05:50 0° Π morning rise -6155 Aug 10 j 18:22 16° Π40′44 opposition -6150 Nov 05 j 09:14 29° ¥46′35 1°12′32 -6155 Aug 29 j 23:01 0° Φ greatest brilliancy -6150 Nov 05 j 08:45 29° ¥47′05 -1.4m -6155 Nov 20 j 19:16 0° ႃM direct -6150 Dec 15 j 20:51 19° ¥58′20 -6155 Dec 30 j 20:49 0° Φ -6149 Jan 30 j 03:53 0° Υ desc. node -6154 Feb 03 j 04:00 25° Φ37′25 -6154 Feb 09 j 02:10 0° \mathbb{M} -6154 May 09 j 02:02 0° \mathbb{S} -6154 May 09 j 02:02 0° \mathbb{S} -6154 Jul 15 j 10:33 23° ₹12′20 -6149 Sep 20 j 12:44 0° \mathbb{M} -6155 Jul 15 j 10:33 23° ₹12′20 -6149 Sep 20 j 12:44 0° \mathbb{M} -6154 Sep 20 j 12:44 0° \mathbb{M} -	max. Earth dist.	ical year style is used: Th -6155 Jun 07 j 00:15	-	2.63295 AU	anting style is the year	-6150 Jun 16 j 02:36	0° <del>)</del>	
Computation   Confest	max. Earth dist.	-0133 Juli 07 J 00.13	3 02417	2.03293 AO		-		
minimum clanger	conjunction	-6155 Jun 25 i 04:13	15° <b>×</b> 18'06	1°02'51	retrograde			
A-1515 Aug 1 17   0-520					-			
Monthing rise	minimum crong	·		1 05 00	use. Houe	-		
0-515 Aug 29   230   07	morning rise	·			opposition	3		1°12'32
0155 Cot 11 j 00.37					* *			
6155 Nov 20] 19.16   0"\$p   direct   -6150 Dec 15] 20.51   PF \ 75.02   PF \ 75.					-	•		0.66939 AU
6155 Dec. 30j 20.49   0'A   6149 Red 30j 20.53   0'P						-		***************************************
desc. node		,				-		
-6154 kbg 21 22 2240 07%   -6154 kbg 21 22 240 07%   -6154 kbg 21 22 240 07%   -6154 kbg 20 1024 07%   -6153 kbg 20 1024 07	desc. node					9		
6-154 May 02) 02-02   0°-8"   6-164 May 12] 1000   0°-55		·				-		
1-615 May 09   02-02   0°B   1-616 May 12   10-06   0°Q   1-616 May 12   10-06   0°Q   1-616 May 12   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06   10-06		•						
1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00						-		
min Earth disk.         -6154 Aug 16 1000         16*26*70         0.5405 AU         desc. node         -6149 Sep 26 1515.99         4"mp0028           greatest brillinung         -6154 Aug 21 21:23         14*8 Till 2150         1.0m         evening set         -6149 Oec 28 j 18:13         0°2         19*8048         evening set         -6149 Dec 03 j 16:58         28*2 H1005         47*4048         evening set         -6149 Dec 03 j 16:58         28*2 H1005         47*4048         evening set         -6149 Dec 03 j 16:58         28*2 H1005         47*4048         evening set         -6159 Dec 11/2145         0°8         conjunction         -6149 Dec 03 j 16:58         28*2 H1005         47*4648         evening set         -6153 May 14/10479         0°8         -6149 Dec 03 j 16:58         28*2 H1005         47*4648         evening set         -6153 May 14/10479         0°8         -6148 May 14/10740         0°2         evening set         -6153 May 14/10479         0°8         -6153 May 14/10479         0°8         -6148 May 13/1049         0°2         24*1051 AU         <	retrograde							
grantest brillinery	min. Earth dist.	•		0.54054 AU	desc. node	1 3	-	
Opposition   -6154 Aug 23 j 0008   31*540%   -4*50*56   -6149 Oct 28 j 18:13   0*Δ   -4*50*56   -6154 Det 11 j 21:45   0*%   -6153 Det 29 j 10*50   0*Pa   -6153 Pet 29 j 10*50   0*Pa   -								
direct         -6154 Sep 27 j 0-612         \$F\$\$5452           46154 Dec 11 j 1245         0°8         conjunction         -6149 Dec 03 j 1638         28°£01005         0°4648           asc. node         -6154 Dec 29 j 19:09         9°8±1545         minimum clong         -6149 Dec 05 j 10:34         0°R           -6153 Mar 27 j 08:19         0°P         -6158 Mar 27 j 08:19         0°P         -6148 Dec 05 j 10:34         0°R           -6153 Mar 31 j 0457         0°B         max. Farth dist.         -6148 Dec 05 j 10:34         0°R         -6153 Mar 31 j 0°F8         -21405 AU           evening set         -6153 Jun 28 j 17:45         0°B         max. Farth dist.         -6148 Dec 07 j 10:02         0°F2         -21416 AU           max. Earth dist.         -6153 Jun 28 j 17:45         0°B         max. Farth dist.         -6148 Mar 27 j 0:00         0°F3         -177275 0:00         0°F3         -6148 Mar 27 j 0:00         0°F3         -6153 Mar 20 j 0:00         0°F4         -6148 Mar 27 j 0:00         0°F4         -6148 Mar 27 j 0:00         0°F4         -6148 Mar 27 j 0:00         0°F4         -6153 Mar 20 j 0:00         10°F4         -6153 Mar 20 j 0:00         0°F4         -6153 Mar 20 j 0:00         <	-	• •			8			
ase. node				. 2020		01.5 000 20 10.15	v —	
ase. node					conjunction	-6149 Dec 03 i 16:58	28° <b>♀</b> 10'05	-0°46'48
-6133 Reb 04 j 221-6 0°H	asc. node				-			
-6153 May 14 j 04-57   0°E		•						
-6153 May 14 j 0457 0°B max. Earth dist6148 Jan 18 j 1122 3°R0536 241051 AU evening set -6153 Jun 18 j 01:17 22°E49′13 morning rise -6148 Feb 07 j 13:05 17°R5549 0°E max. Earth dist6153 Jun 06 j 07:53 5°E09′18 2:54711 AU -6148 Apr 07 j 10:02 0°E -6153 Aug 06 j 10:02 26°E14737 1°10′18 asc. node -6148 Apr 07 j 10:02 0°E -6153 Aug 06 j 10:02 26°E14737 1°10′18 asc. node -6148 Apr 07 j 10:03 0°E -6153 Aug 06 j 10:02 26°E14737 1°10′18 asc. node -6148 Apr 07 j 10:03 0°E -6153 Aug 07 j 05:19		•						
Seeking set   -6153 Jun   18 jul   17   22*84913   Seeking   Se		•			max Farth dist			2 41051 AU
A	evening set					-		2.11031710
max. Earth dist.         -6153 Jul 06 j 07-53         \$°IIO918         2.54711 AU         -6148 May 23 j 06:06         0°PK           conjunction         -6153 Aug 06 j 10-22         26°II4618         1°09'54         -6148 Mul 11j1-24         0°PV           minimum clong         -6153 Aug 06 j 11:07         26°II4737         1°1018         asc. node         -6148 Seq 19 j 02:39         21°P4317           -6153 Sep 2 j 05:00         0°Q         retrograde         -6148 Oct 3 j 1 16:45         3°8'2925           -6153 Dec 30 j 02:19         4°Q.28'50         opposition         -6148 Dec 09 j 07:08         4°8'2154         3°46'34           desc. node         -6153 Dec 08 j 19:56         0°Q         min. Earth dist.         -6148 Dec 09 j 107:33         4°8'21'14         -14 m           -6152 Feb 25 j 13:35         0°Q         min. Earth dist.         -6148 Dec 09 j 107:34         4°8'21'14         -14 m           -6152 Feb 25 j 13:35         0°Q         direct         -6147 Dec 1 j 07:13         4°8'21'14         -14 m           retrograde         -6152 Aug 27 j 05:19         0°Q         -6147 Jun 19 j 09:20         2°Y*03'14!         -14 m           -6152 Jul 25 jul 36 jul 3	evening see				morning rise	-		
conjunction 6153 Aug 06 j 10:22 26° H4618 1°09'54	may Farth dist	·		2 54711 ATT		,		
conjunction	max. Earm dist.	-0133 Jul 00 j 07.33	3 110710	2.54/11 AU				
minimum elong   -6153 Aug 06 j 11-07   26° Π4737   1°1018   asc. node   -6148 Aug 21 j 02:39   21°°γ′4317   0°8′8   -61458 Aug 10 j 22:33   0°8′9   -6148 Sep 08 j 01:45   0°8′8   -6148 Sep 11 j 05:00   0°Ω	conjunction	6153 Aug 06 i 10:22	26°π46'18	1000'54				
6153 Aug 10 j 23:33	-				asa node			
February	minimum ciong			1 10 16	asc. node			
moming rise   -6153 Sep   27 j 05:19   4° Ω2850   opposition   -6148 Dec   09 j 07:08   4° ⊠31'54   3°46'34    -6163 Occ   20 j 12:19   0° ™   greatest brilliancy   -6148 Dec   09 j 17:32   4° ⊠59'57   0.64258 AU    -6165 Occ   06 j 19:56   0° Ω   min. Earth dist.   -6148 Dec   13 j 04:54   2° ⊠59'57   0.64258 AU    -6165 Occ   06 j 19:56   0° №     -6147 Jun   19 j 09:20   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24° №   24°					retrograde			
6153 Oct 30 j 22:19   0°	morning rise				•	-		3°46'34
desc. node	morning risc							
desc. node					-			
-6152 Jan 16 j 17:26 0°	dasa nada				iiiii. Eartii tiist.	3		0.04238 AU
-6152 Feb 25 j 13:35 0° ₹6147 Feb 20 j 00:22 0° ★ -6152 Apr 07 j 14:10 0° ₹ -6152 Apr 07 j 15:10 0° ₹ -6152 Apr 07 j 15:20 30° ₹ -6152 Apr 07 j 15:50 0° ₹ -6151 Apr 07 j 15:20 0° ₹ -6151 Apr	desc. Hode				direct	-		
-6152 Apr 07 j 14:10 0°B -6152 May 24 j 01:16 0°B -6152 May 22 j 13:10 0°B -7 0°B -6152 May 22 j 13:10 0°B -7 0°B -6152 May 24 j 11:53 0°B -7 0°B -6152 May 24 j 11:53 0°B -7 0°B -6152 May 24 j 11:53 0°B -7 0°B -6151 May 04 j 07:50 0°B -6151 May					direct	3		
-6152 May 24 j 01:16 0% -6152 May 22 j 13:10 0% -6152 May 19 j 12:53 0% -6147 May 12 j 17:00 0% -6162 May 19 j 17:52 0% -6147 May 12 j 17:00 0% -6162 May 19 j 17:52 0% -6147 May 12 j 17:00 0% -6147 May 12 j 17:53 0% -6147 May 13 j 10:00 0% -6147 May 13 j 10:00 0% -6147 May 13 j 10:40 0% -6151 May 04 j 07:50 0% -6151 May 04 j 07:10 0% -6151 May 04 j 17:20 0% -615						,		
-6152 Jul 25 j 18:15 0° ★ -6147 Jul 21 j 17:00 0° Ω retrograde -6152 Aug 22 j 13:10 4° ★33'53 desc. node -6147 Aug 12 j 14:31 16° Ω28'30 -6152 Aug 22 j 13:10 4° ★33'53 desc. node -6147 Aug 30 j 05:03 0° № -6147 Aug 30 j 05:03 0° № -6152 Oct 10 j 17:59 24° ≈ 36'22 -1° 46'07 -6147 Aug 30 j 05:03 0° № -6146 Feb 03 j 20:55 0° ™ -6151 Aug 30 j 05:34 0° № -6151 Aug 30 j 05:45 0° № -6								
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-6152 Sep 17j 09:26 30°R≈  -6152 Sep 27j 22:16 26°≈02'20 0.63390 AU -6147 Aug 30 j 05:03 0°M  min. Earth dist6152 Sep 27j 22:16 26°≈02'20 0.63390 AU -6147 Oct 07j 15:58 0°Δ  opposition -6152 Oct 01j 11:53 24°≈36'23 -1°46'07 -6147 Nov 15j 04:32 0°M.  greatest brilliancy -6152 Oct 01j 07:04 24°≈41'13 -1.5m evening set -6147 Dec 05j 22:51 15°M.53'59 direct -6152 Nov 09j 00:27 15°≈29'20 -6152 Nov 15j 21:58 15°≈46'40 -6152 Nov 15j 21:58 15°≈46'40 -6151 Jan 04j 07:50 0°ℋ -6151 Mar 04j 07:50 0°ℋ -6151 Mar 04j 05:42 0°M -6151 Mar 04j 07:50 0°ℋ -6151 Mar 0	ratrograda				dasa nada	-		
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opposition	min Forth dist			0.62200 AII				
greatest brilliancy								
direct   -6152 Nov 09 j 00:27   15° ≈29'20   -6147 Dec 24 j 16:39   0° ₹     asc. node   -6152 Nov 15 j 21:58   15° ≈46'40   -6146 Feb   03 j 20:55   0° ₹     -6151 Jan   04 j 07:50   0° †     -6151 Mar   04 j 05:42   0° ↑       -6151 Jan   04 j 07:50   0° †     -6151 Jan   08 j 18:58   0° ↑       -6151 Jun   02 j 07:12   8° Φ06'08       max. Earth dist.   -6146 Mar   19 j 0:231   0° ★     -6151 Aug   20 j 15:28   21° Φ34'05   2.42685 AU       -6151 Aug   31 j 22:30   0° Λ       -6151 Aug   31 j 22:30   0° Λ       asc. node   -6146 Jun   19 j 19:20   0° ↑     asc. node   -6146 Dec   13 j 10:47   21° ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑	**				avanina aat	-		
asc. node  -6152 Nov 15 j 21:58	-			-1.3111	evening set	3		
-6151 Jan 04 j 07:50 0° \( \) -6151 Mar 04 j 05:42 0° \( \nabla \) -6151 Mar 04 j 05:42 0° \( \nabla \) -6151 Apr 23 j 12:20 0° \( \nabla \) -6151 Jun 08 j 18:58 0° \( \nabla \) -6151 Jun 08 j 18:58 0° \( \nabla \) -6151 Jul 22 j 01:11 0° \( \oldow \) -6151 Jul 22 j 07:12 8° \( \oldow \) -6151 Aug 20 j 15:28 21° \( \oldow \) -6151 Aug 20 j 15:28 21° \( \oldow \) -6151 Aug 31 j 22:30 0° \( \oldow \) -6151 Aug 31 j 22:30 0° \( \oldow \) -6151 Sep 27 j 06:59 20° \( \oldow \) -6151 Sep 27 j 06:59 20° \( \oldow \) -6151 Ott 10 j 03:59 0° \( \oldow \) -6151 Nov 07 j 20:48 22° \( \oldow \) -6151 Nov 17 j 13:20 0° \( \oldow \) -6151 Nov 29 j 04:14 9° \( \oldow \) -6150 Feb 03 j 07:05 0° \( \oldow \) -6150 Mar 16 j 08:47 0° \( \oldow \) -6150 Mar 16 j 08:47 0° \( \oldow \) -6150 Mar 16 j 08:47 0° \( \oldow \oldow \) -61615 Mar 16 j 08:47 0° \( \oldow \oldow \oldow \) -61616 Mar 19 j 02:31 0° \( \oldow \old						-		
-6151 Mar 04 j 05:42 0°Υ conjunction -6146 Feb 04 j 11:03 0°♂25'07 -1°07'40 minimum elong -6151 Apr 23 j 12:20 0°∀ minimum elong -6146 Feb 04 j 12:09 0°♂27'05 1°08'04 evening set -6151 Jul 08 j 18:58 0°Ⅲ max. Earth dist6146 Mar 12 j 16:25 25°♂38'11 2.53709 AU -6151 Jul 02 j 07:12 8°₷06'08 morning rise -6146 Apr 01 j 19:05 9°≈12'17 evening set -6151 Aug 02 j 07:12 8°₷06'08 morning rise -6146 Apr 01 j 19:05 9°≈12'17 end of the following set -6151 Aug 02 j 15:28 21°₷34'05 2.42685 AU -6146 Apr 01 j 19:05 9°≈12'17 end of the following set -6151 Aug 31 j 22:30 0°Ω asc. node -6146 Apr 01 j 19:05 9°≈12'17 end of the following set -6151 Aug 31 j 22:30 0°Ω asc. node -6146 Apr 01 j 19:05 9°≈12'17 end of the following set -6151 Aug 31 j 22:30 0°Ω end end of the following set -6151 Aug 31 j 22:30 0°Ω end end of the following set -6146 Aug 03 j 10:40 0°∀ end of the following set -6151 Aug 31 j 22:30 0°Ω end end of the following set -6151 Aug 31 j 22:30 0°Ω end end of the following set -6151 Aug 31 j 22:30 0°Ω end end of the following set -6151 Aug 31 j 22:30 0°Ω end end of the following set -6151 Aug 31 j 22:30 0°Ω end end of the following set -6151 Aug 31 j 22:30 0°Ω end end of the following set -6151 Aug 31 j 22:30 0°Ω end end of the following set -6151 Aug 31 j 22:30 0°Ω end end of the following set -6151 Aug 31 j 22:30 0°Ω end end of the following set -6151 Aug 31 j 22:30 0°Ω end end of the following set -6151 Aug 31 j 22:30 0°Ω end end of the following set -6151 Aug 31 j 22:30 0°Ω end end of the following set -6151 Aug 31 j 22:30 0°Ω end end of the following set -6151 Aug 31 j 22:30 0°Ω end end of the following set -6145 Aug 31 j 2:50 0°Ω end end of the following set -6145 Aug 31 j 2:50 0°Ω end end of the following set -6145 Aug 31 j 2:50 0°Ω end end of the following set -6145 Aug 31 j 2:50 0°Ω end end of the following set -6145 Aug 31 j 3:50 0°Ω end end of the following set -6145 Aug 31 j 3:50 0°Ω end end of the following set -6145 Aug 31 j 3:50 0°Ω end end of the following set -6145 Aug 31 j 3:50 0°Ω end end of t	asc. node					-0140 Feb 03 j 20.33	0.0	
-6151 Apr 23 j 12:20    0°♥   minimum elong					agniumation	6146 Eab 04 : 11:02	00=25:07	1907!40
-6151 Jun   08 j 18:58   0°   1		•			-	3		
-6151 Jul 22 j 01:11 0°Φ evening set -6151 Aug 02 j 07:12 8°Φ06′08 morning rise -6146 Apr 01 j 19:05 9°≈12′17 max. Earth dist6151 Aug 20 j 15:28 21°Φ34′05 2.42685 AU -6151 Aug 31 j 22:30 0°Ω asc. node -6146 Aug 03 j 10:40 0°Υ asc. node -6146 Jun 19 j 19:20 0°Υ asc. node -6146 Aug 08 j 13:51 0°Β minimum elong -6151 Sep 27 j 06:59 20°Ω03′04 0°29′38 minimum elong -6151 Oct 10 j 03:59 0°№ retrograde -6146 Dec 13 j 10:47 21°Щ41′26 desc. node -6151 Nov 07 j 20:48 22°№24′10 opposition -6145 Jan 18 j 16:22 13°Щ55′05 5°29′32 -6151 Nov 17 j 13:20 0°Ω morning rise -6151 Nov 29 j 04:14 9°Ω06′22 min. Earth dist6145 Jan 26 j 02:32 11°Щ11′40 0.55456 AU -6150 Feb 03 j 07:05 0°⊀ -6150 Mar 16 j 08:47 0°Ğ -6150 Mar 16 j 08:47 0°Ğ -6150 Mar 16 j 08:47 0°Ğ					-	3		
evening set					max. Earth dist.	-		2.53709 AU
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-6151 Aug 31 j 22:30 0°Ω  asc. node  -6146 Jun 19 j 19:20 0°Υ  asc. node  -6146 Jul 09 j 00:13 11°Υ47'12  conjunction  -6151 Sep 27 j 06:59 20°Ω03'04 0°29'38  minimum elong  -6151 Sep 27 j 09:01 20°Ω06'59 0°29'54  -6151 Oct 10 j 03:59 0°™  retrograde  -6146 Dec 13 j 10:47 21°Ⅲ41'26  desc. node  -6151 Nov 07 j 20:48 22°™24'10  opposition  -6145 Jan 18 j 16:22 13° ∏55'05 5°29'32  -6151 Nov 17 j 13:20 0°Ω  greatest brilliancy  -6145 Jan 20 j 00:48 13° ∏25'12 -1.8m  morning rise  -6151 Dec 25 j 23:27 0°™  direct  -6145 Feb 27 j 11:39 4° ∏32'26  -6150 Feb 03 j 07:05 0°  -6150 Mar 16 j 08:47 0°  -6150 Mar 16 j 08:47 0°  -6155 Mar 16 j 08:47 0°  -6155 Mar 16 j 08:47 0°  -6145 Jun 27 j 05:45 0	•			2.42695.433	morning rise			
asc. node -6146 Jul 09 j 00:13 11°Y47'12 conjunction -6151 Sep 27 j 06:59 20°\( \omega\$\)03'04 0°29'38	max. Earth dist.			2.42685 AU				
Conjunction   -6151 Sep   27 j 06:59   20°\( \alpha \) 00'\( \alpha \) 0°29'38   -6146 Aug   08 j 13:51   0°\( \alpha \)   0°\( \alpha \)    -6151 Sep   27 j 09:01   20°\( \alpha \) 06'59   0°29'54   -6146 Oct   02 j 20:05   0°\( \alpha \)    -6151 Oct   10 j 03:59   0°\( \alpha \)   retrograde   -6146 Dec   13 j 10:47   21°\( \alpha \) 11'26    -6151 Nov   07 j 20:48   22°\( \alpha \) 24'10   opposition   -6145 Jan   18 j 16:22   13°\( \alpha \) 55'05   5°29'32    -6151 Nov   17 j 13:20   0°\( \alpha \)   greatest brilliancy   -6145 Jan   20 j 00:48   13°\( \alpha \) 125'12   -1.8m    -6151 Dec   25 j 23:27   0°\( \alpha \)   direct   -6145 Feb   27 j 11:39   4°\( \alpha \) 13'226    -6150 Feb   03 j 07:05   0°\( \alpha \)   -6150 Mar   16 j 08:47   0°\( \alpha \)   0°\( \alpha \)   -6145 Jun   27 j 05:45   0°\( \alpha \)		-0151 Aug 31 J 22:30	0.95		aaa m-J-	-		
minimum elong		(151.0 25:06.50	200 2020	0020120	asc. node	-		
-6151 Oct 10 j 03:59 0° 順 retrograde -6146 Dec 13 j 10:47 21° 耳41'26 desc. node -6151 Nov 07 j 20:48 22° 順24'10 opposition -6145 Jan 18 j 16:22 13° 耳55'05 5°29'32 -6151 Nov 17 j 13:20 0° 年 greatest brilliancy -6145 Jan 20 j 00:48 13° 耳25'12 -1.8m morning rise -6151 Nov 29 j 04:14 9° 年06'22 min. Earth dist6145 Jan 26 j 02:32 11° 耳11'40 0.55456 AU -6151 Dec 25 j 23:27 0° 肌 direct -6145 Feb 27 j 11:39 4° 耳32'26 -6150 Feb 03 j 07:05 0° ズ -6145 Jan 27 j 05:45 0° 紀	-							
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-6150 Feb 03 j 07:05 0°\$\frac{\state{\state{N}}}{\state{N}}\$ -6145 May 11 j 12:51 0°\$\state{\state{S}}\$ -6150 Mar 16 j 08:47 0°\$\state{S}\$ -6145 Jun 27 j 05:45 0°\$\state{\state{N}}\$	morning rise	•				-		0.55456 AU
-6150 Mar 16 j 08:47 0°ිට -6145 Jun 27 j 05:45 0° <b>೧</b>		-6151 Dec 25 j 23:27			direct	-		
		(1 # 0 F 1 0 2 1 1 - 1	00 -					
-6150 Apr 29 J 02:40 0°≈ desc. node -6145 Jun 30 j 15:02 2° & 22'05		•				• •		
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Attention, astronomi	-6145 Aug 07 j 13:21	0°M)	n astronomicai cou	conjunction	6399 BCE in historical c -6140 Jun 10 j 03:06	0° <b>8</b> 59'17	0°52'00
	-6145 Sep 16 j 01:25	0∘ <del>ত</del> الله		minimum elong	-6140 Jun 10 j 01:45	0° <b>8</b> 57'05	0°52'08
		0°M		minimum elong	,	0°Ⅱ	0 32 08
	-6145 Oct 25 j 09:43	0° <b>⊼</b> 1			-6140 Jul 24 j 05:06	0°Щ 1°Щ11′20	
	-6145 Dec 04 j 15:41	0°る		morning rise	-6140 Jul 25 j 23:45	ா <u>யா</u> ப் 20	
	-6144 Jan 15 j 11:51				-6140 Sep 06 j 07:06		
evening set	-6144 Jan 31 j 15:33	11° <b>る</b> 14'06			-6140 Oct 18 j 22:16	0° <b>N</b>	
	-6144 Feb 28 j 05:21	0° <b>≈</b>			-6140 Nov 29 j 10:28	0° <b>m</b> )	
:	(144 M-:: 24 : 12.02	1.6947150	0024116	44-	-6139 Jan 09 j 09:13	0° <b>죠</b> 0° <b>ጤ</b> 03'57	
conjunction	-6144 Mar 24 j 12:03	16°≈47'59		desc. node	-6139 Feb 19 j 21:49		
minimum elong	-6144 Mar 24 j 13:27	16°≈50'17			-6139 Feb 19 j 19:35	0° <b>M</b> 0° <b>₹</b>	
max. Earth dist.	-6144 Apr 10 j 11:50		2.62852 AU		-6139 Apr 05 j 02:36	0° <b>∡</b> ¹	
	-6144 Apr 13 j 16:57	0° <b>)</b> (			-6139 Jun 04 j 11:45	0°る	
morning rise	-6144 May 12 j 23:18	18° <b>¥</b> 50′27		retrograde	-6139 Jun 27 j 13:26	3° <b>る</b> 32'22	
asc. node	-6144 May 25 j 18:52	27° <b>₩</b> 00'40		i To at the	-6139 Jul 19 j 19:31	30°₹ <b>⋌</b> 7	0.40201.441
	-6144 May 30 j 11:45	$^{\circ \gamma}$		min. Earth dist.	-6139 Jul 26 j 22:34	27° <b>х</b> 39'04	0.49201 AU
	-6144 Jul 17 j 02:21	0° <b>B</b>		greatest brilliancy	-6139 Aug 02 j 08:20	25° <b>х</b> 19'47	
	-6144 Sep 03 j 12:10	0°Ⅱ		opposition	-6139 Aug 03 j 20:26	24° 🗷 46'54	-5°4/'49
	-6144 Oct 23 j 21:25	0°©		direct	-6139 Sep 06 j 12:31	17° <b>∡</b> ³39'02	
	-6144 Dec 21 j 07:46	0°N			-6139 Oct 26 j 03:07	0° <b>ප</b>	
retrograde	-6143 Feb 09 j 17:48	12° <b>Ω</b> 25'07		_	-6139 Dec 24 j 03:43	0° <b>≈</b>	
opposition	-6143 Mar 13 j 22:45	6° <b>Ω</b> 32'48	4°08'02	asc. node	-6138 Jan 15 j 09:29	12° <b>≈</b> 44'14	
greatest brilliancy	-6143 Mar 15 j 05:14	6° <b>Ω</b> 09'21	-2.6m		-6138 Feb 13 j 14:43	0° <b>)</b> €	
min. Earth dist.	-6143 Mar 21 j 10:07	4° <b>Ω</b> 15′29	0.42850 AU		-6138 Apr 03 j 19:21	0° <b>Υ</b>	
	-6143 Apr 10 j 00:48	30°Rூ			-6138 May 21 j 05:44	0°8	
direct	-6143 Apr 17 j 20:46	29°534'33		evening set	-6138 Jun 02 j 01:40	7° <b>8</b> 40'43	
	-6143 Apr 25 j 16:33	$0^{\circ}\Omega$		max. Earth dist.	-6138 Jun 23 j 22:24	22° <b>8</b> 06'10	2.58609 AU
desc. node	-6143 May 17 j 17:11	5° <b>Ω</b> 13'21			-6138 Jul 05 j 16:47	$\Pi$ $^{\circ}$ 0	
	-6143 Jul 05 j 07:01	0° m/					
	-6143 Aug 19 j 06:17	0∘ <b>⊽</b>		conjunction	-6138 Jul 20 j 03:50	9° <b>Ⅱ</b> 50'36	
	-6143 Sep 30 j 13:11	0°M		minimum elong	-6138 Jul 20 j 03:34		1°11'55
	-6143 Nov 11 j 20:21	0° <b>∡</b> ¹			-6138 Aug 18 j 01:56	0ಂಣ	
	-6143 Dec 25 j 05:13	0° <b>ට</b>		morning rise	-6138 Sep 07 j 05:45	14° <b>©</b> 25'17	
	-6142 Feb 08 j 01:10	0° <b>≈</b>			-6138 Sep 28 j 13:43	$0$ $\circ$ $\Omega$	
evening set	-6142 Mar 16 j 12:51	23° <b>≈</b> 46'46			-6138 Nov 07 j 15:01	0° <b>m</b> )	
	-6142 Mar 26 j 04:31	0° <b>∀</b>			-6138 Dec 16 j 20:56	0∘ <b>⊽</b>	
asc. node	-6142 Apr 12 j 13:51	11° <b>)</b> 09'31		desc. node	-6137 Jan 07 j 19:24	16° <b>≏</b> 48'41	
					-6137 Jan 25 j 02:57	0°M₊	
conjunction	-6142 May 04 j 02:54	24° <b>₩</b> 55'35			-6137 Mar 06 j 10:13	0° <b>∡</b> ¹	
minimum elong	-6142 May 04 j 02:26	24° <b>∺</b> 54'51	0°12'03		-6137 Apr 18 j 09:28	0°ಕ	
behind sun begin	-6142 May 03 j 13:35	24° <b>)</b> 34′20			-6137 Jun 07 j 04:22	0° <b>≈</b>	
behind sun end	-6142 May 04 j 15:18	25° <b>∺</b> 15′22		retrograde	-6137 Aug 09 j 04:13	19° <b>≈</b> 50′23	
max. Earth dist.	-6142 May 05 j 09:04	25° <b>)</b> 43′43	2.66795 AU	min. Earth dist.	-6137 Sep 12 j 19:52	11° <b>≈</b> 55'47	0.60371 AU
	-6142 May 12 j 01:39	$0$ ° $\mathbf{\gamma}$		opposition	-6137 Sep 17 j 19:48	9° <b>≈</b> 56'38	-2°59'17
morning rise	-6142 Jun 19 j 08:22	24° <b>Y</b> 27′59		greatest brilliancy	-6137 Sep 17 j 08:13	10° <b>≈</b> 08′08	-1.6m
	-6142 Jun 27 j 23:20	$9^{\circ}$ 8		direct	-6137 Oct 25 j 05:46	1° <b>≈</b> 14'15	
	-6142 Aug 13 j 08:26	$\Pi$ $^{\circ}$ 0		asc. node	-6137 Dec 03 j 11:31	9° <b>≈</b> 07'08	
	-6142 Sep 28 j 01:49	$0_{\circ}$ වෙ			-6136 Jan 19 j 03:08	0° <b>∀</b>	
	-6142 Nov 12 j 10:32	$0$ $^{\circ}\Omega$			-6136 Mar 13 j 01:42	$0^{\circ}$ Y	
	-6142 Dec 28 j 05:58	0° <b>m</b>			-6136 May 01 j 03:01	$9^{\circ}$ 8	
	-6141 Feb 15 j 02:26	0∘ <b>⊽</b>			-6136 Jun 16 j 00:40	$\Pi$ $\circ$ 0	
desc. node	-6141 Apr 04 j 20:30	22° <b>£</b> 16'44		evening set	-6136 Jul 14 j 02:34	19° <b>Ⅱ</b> 17'42	
retrograde	-6141 Apr 29 j 04:28	26° <b>≏</b> 02'19		max. Earth dist.	-6136 Jul 29 j 10:08	0° <b>ട്ട</b> 07'34	2.47558 AU
min. Earth dist.	-6141 May 26 j 23:01	21° <b>≏</b> 30'46	0.38493 AU		-6136 Jul 29 j 05:54	0	
opposition	-6141 May 30 j 22:37	20° <b>£</b> 24'15	-4°04'33				
greatest brilliancy	-6141 May 30 j 06:12	20° <b>≏</b> 35'42	-2.9m	conjunction	-6136 Sep 04 j 21:22	27° <b>©</b> 30'12	0°52'08
direct	-6141 Jun 29 j 22:40	15° <b>≏</b> 17'30		minimum elong	-6136 Sep 04 j 23:37	27° <b>©</b> 34'22	0°52'28
	-6141 Aug 21 j 20:22	$0^{\circ}$ M			-6136 Sep 08 j 05:33	$0^{\circ}\Omega$	
	-6141 Oct 14 j 21:06	0° <b>⊼</b>			-6136 Oct 17 j 14:42	0° <b>m</b> )	
	-6141 Dec 02 j 02:43	0°ರ		morning rise	-6136 Nov 02 j 00:32	11° <b>m</b> 57'15	
	-6140 Jan 18 j 14:00	0° <b>≈</b>		desc. node	-6136 Nov 24 j 16:26	29° <b>m</b> 38'11	
asc. node	-6140 Feb 28 j 10:06	25° <b>≈</b> 44'23			-6136 Nov 25 j 03:36	0∘ <b>⊽</b>	
	-6140 Mar 06 j 04:36	0° <b>∀</b>			-6135 Jan 02 j 16:33	0° <b>M</b> ₊	
	-6140 Apr 22 j 17:41	0° <b>Υ</b>			-6135 Feb 11 j 02:53	0° <b>∡</b> ¹	
evening set	-6140 Apr 24 j 01:53	0° <b>Y</b> 51′04			-6135 Mar 24 j 09:15	0°ಕ	
max. Earth dist.	-6140 May 28 j 08:13	22° <b>Y</b> 43'44	2.65305 AU		-6135 May 07 j 17:00	0° <b>≈</b>	
	-6140 Jun 08 j 14:31	$9^{\circ}$ 8			-6135 Jun 26 j 20:37	0° <b>∀</b>	
				retrograde	-6135 Sep 13 j 02:49	26° <b>∺</b> 26'29	

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:23, Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style. -6135 Oct 20 j 14:37 17°**)** 36'53 -6130 Nov 02 j 11:39 0°M asc. node -6135 Oct 21 j 19:32 17°**₩**07'50 0.66293 AU -6130 Dec 12 j 08:33 0°×7 min Earth dist -6129 Jan 11 j 07:54 -6135 Oct 23 j 02:57 21°**х** 47′58 16°**)** ₹36'12 0°05'45 opposition evening set -6135 Oct 23 j 02:52 16°**¥**36′17 -1 4m -6129 Jan 22 j 20:42 0°궁 greatest brilliancy 7°**)**€00'44 direct -6135 Dec 01 j 23:56  $0^{\circ}\Upsilon$ -6129 Mar 07 j 19:24 -6134 Feb 14 j 15:12 conjunction 0°≈19'16 -0°50'25  $0^{\circ}$ 8 -6134 Apr 09 j 22:19 minimum elong -6129 Mar 07 j 21:16 0°≈22'24 0°50'46  $0^{\circ}II$ -6134 May 27 j 09:06 -6129 Mar 07 j 07:59 0°≈ 0ಂತಾ -6134 Jul 09 j 23:54 max. Earth dist. -6129 Mar 31 j 22:58 16°≈25'47 2.59868 AU -6134 Aug 19 j 21:52  $0^{\circ}\Omega$ -6129 Apr 21 j 16:29 0°**)**€ evening set -6134 Sep 05 j 09:27 12°**Ω**30'39 morning rise -6129 Apr 28 j 11:09 4°**)** 23'27 -6134 Sep 28 j 00:57 -6129 Jun 07 j 13:59  $0^{\circ} \Upsilon$ 0° M -6134 Oct 12 j 12:00 -6129 Jun 12 j 12:50 3°**Y**07'16 desc. node 11°M)18'00 asc. node -6134 Nov 05 j 07:05 0∘**⊽** -6129 Jul 25 j 18:11 0°8 -6129 Sep 13 j 17:59  $0^{\circ}\Pi$ conjunction -6134 Nov 06 j 05:00 0° 243'08 -0°18'12 -6129 Nov 08 j 02:42 0ಂತಾ minimum elong -6134 Nov 06 j 03:22 0°**2**39'54 0°18'09 retrograde -6128 Jan 15 j 18:22 20°9528'25 max. Earth dist. -6134 Nov 12 j 07:20 5°**2**30'52 2.37791 AU opposition -6128 Feb 18 j 17:33 13°**9**647'01 5°21'21 -6134 Dec 13 j 14:23 0°M greatest brilliancy -6128 Feb 20 j 09:20 13°9513'33 -2.2m morning rise -6133 Jan 12 j 09:29 22°M53'14 min. Earth dist. -6128 Feb 27 j 05:00 10°956'39 0.47818 AU -6133 Jan 21 j 19:42 0°×7 direct -6128 Mar 27 j 04:02 5°935'56 -6133 Mar 03 j 17:24 0°정 desc. node -6128 Jun 03 i 09:48 29°532'31 -6133 Apr 15 j 23:23 0°≈ -6128 Jun 04 i 04:40  $0^{\circ}\Omega$ -6133 Jun 01 j 06:59 0°**)**€ -6128 Jul 20 i 04:44 0° m -6133 Jul 22 j 15:38  $0^{\circ}\Upsilon$ -6128 Aug 30 j 16:25 0∘**⊽** -6133 Sep 07 j 16:33 21°Y52'20 -6128 Oct 10 j 06:37 0°M asc node -6133 Oct 11 j 17:08 -6128 Nov 20 j 11:22 0°×7 0°8 -6133 Oct 18 j 05:56 0°815'48 -6127 Jan 02 j 01:27 0°궁 retrograde -6127 Feb 15 j 08:19 0°**≈** -6133 Oct 24 j 14:54 30°**₹**Υ 20°**Υ**58'55 2°50'45 opposition -6133 Nov 26 j 10:56 -6127 Feb 28 j 00:54 8°≈24'05 evening set -6127 Apr 02 j 03:38 greatest brilliancy -6133 Nov 26 j 15:15 20°**Y**54'39 0°**∀** -1.4m 20°**℃**00'51 min. Earth dist. -6133 Nov 28 j 21:27 0.66051 AU 10°**Y**59'28 -6132 Jan 06 j 12:02 conjunction -6127 Apr 18 j 21:37 10°**¥**47'22 -0°05'56 direct 10°**)**47'46 0°06'05 -6132 Mar 11 j 15:49 0°8 -6127 Apr 18 j 21:52 minimum elong -6132 May 04 j 01:42  $0^{\circ}\Pi$ -6127 Apr 18 j 03:09 10°**)** 17'44 behind sun begin -6132 Jun 18 j 08:23 0ಂತಾ -6127 Apr 19 j 16:35 behind sun end 11°**)** 17'48 -6127 Apr 25 j 22:02 -6132 Jul 29 j 19:09 0° $\Omega$ max. Earth dist. 15° **★**17'30 2.65906 AU desc. node -6132 Aug 29 j 08:04 23°**Ω**13′28 asc. node -6127 Apr 29 j 06:54 17°**)**27'01 -6132 Sep 07 j 02:04 0° m -6127 May 18 j 22:20  $0^{\circ}\Upsilon$ -6132 Oct 15 j 09:42 0∘**⊽** morning rise -6127 Jun 05 j 00:52 10°**Y**54'10 -6132 Nov 09 j 22:00 19°**£**59'16 -6127 Jul 05 j 00:13 0°8 evening set -6132 Nov 22 j 19:04 0°M -6127 Aug 20 j 23:01  $0^{\circ}\Pi$ -6131 Jan 01 j 03:38 -6127 Oct 06 j 21:03 0ಂತಾ 0°×7 -6127 Nov 23 j 13:50  $0^{\circ}\Omega$ -6131 Jan 12 j 09:34 8°**∡**122'00 -1°08'53 -6126 Jan 13 j 19:28 conjunction 0° M minimum elong -6131 Jan 12 j 08:47 8°**х** 20'32 1°09'14 retrograde -6126 Mar 29 i 14:47 25° m 20'16 -6131 Feb 11 i 04:08 0°정 desc. node -6126 Apr 21 i 12:18 22° m 13'43 max. Earth dist. -6131 Feb 25 i 02:51 9°る52'13 2.48903 AU opposition -6126 Apr 29 i 02:39 20° m 15'56 -0°35'37 morning rise -6131 Mar 13 i 13:23 21°る17'50 greatest brilliancy -6126 Apr 29 j 02:57 20° m 15'44 -3.0m -6131 Mar 26 j 07:14 0°**≈** min. Earth dist. -6126 Apr 30 j 12:59 19° m 53'02 0.38008 AU -6131 May 10 j 16:57 0°**₩** direct -6126 May 29 j 20:00 15° m 03'38 -6131 Jun 27 j 13:55  $0^{\circ}\Upsilon$ -6126 Jul 21 j 01:32 0∘**⊽** -6131 Jul 25 j 16:27 16°**Y**43′53 -6126 Sep 10 j 21:28 0°M asc node 0°8 -6131 Aug 18 j 03:33 -6126 Oct 26 j 23:21 00 🗸 -6131 Oct 22 j 07:48  $0^{\circ}II$ -6126 Dec 11 j 10:38 0°궁 -6131 Nov 25 j 13:07  $6^{\circ}\Pi06'56$ -6125 Jan 26 j 13:08 0°≈ retrograde -6131 Dec 26 j 23:06 30°R₩ -6125 Mar 14 j 10:16 0°**)**€ -6130 Jan 01 j 21:05 27°**8**48'13 4°59'32 -6125 Mar 17 j 02:38 1°**)** 42′20 opposition asc. node -6130 Jan 02 j 20:32 -6125 Apr 10 j 00:18 16°**¥**53′28 greatest brilliancy 27°**8**25'54 -1.6m evening set 25°**8**28'10 0.59580 AU  $0^{\circ}\Upsilon$ min. Earth dist. -6130 Jan 08 j 00:34 -6125 Apr 30 j 15:20 18°**8**01'55 direct -6130 Feb 11 j 12:05 max. Earth dist. -6125 May 20 j 01:29 12°**Y**23'13 2.66545 AU -6130 Mar 31 j 07:19  $0^{\circ}\Pi$ -6130 May 24 j 12:34 0 $\circ$  $\odot$ conjunction -6125 May 27 j 08:29 17°**Υ**'03'20 0°38'08 -6130 Jul 07 j 08:20 0° $\Omega$ minimum elong -6125 May 27 j 07:17 17°**Y**01′25 0°38'12

desc. node

-6130 Jul 17 j 07:13

-6130 Aug 16 j 15:28

-6130 Sep 24 j 13:49

7°**Ω**14'48

0° m

0∘**⊽** 

-6125 Jun 16 j 11:12

-6125 Jul 11 j 23:48

-6125 Aug 01 j 07:13

morning rise

0°8

 $0^{\circ}\Pi$ 

16°836'34

Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style. -6125 Sep 14 j 21:10 0ಂಣ greatest brilliancy -6120 Oct 09 j 11:03 3°**)**€06'34 -1.5m -6125 Oct 28 j 06:46  $0^{\circ}\Omega$ -6120 Oct 17 j 09:58 30°R≈ -6125 Dec 09 j 20:21 0°m -6120 Nov 06 j 04:09 24°≈36'50 asc. node 0∘**⊽** -6120 Nov 17 j 14:49 -6124 Jan 21 j 05:56 23°≈45'59 direct -6120 Dec 22 j 06:04 0°M 0°**)**€ -6124 Mar 05 j 03:55  $0^{\circ}\Upsilon$ desc. node -6124 Mar 08 j 14:55 2°M15'01 -6119 Feb 25 j 20:56 0°8 -6124 Apr 26 j 13:52 0°**∡** -6119 Apr 18 j 06:55 -6124 Jun 07 j 02:32  $0^{\circ}\Pi$ retrograde 10°**х** 29′23 -6119 Jun 03 j 22:51 min. Earth dist. -6124 Jul 04 j 12:05 5°**х** 27′36 0.44249 AU -6119 Jul 17 j 08:27 0°9 greatest brilliancy -6124 Jul 10 j 19:51 3°**∡**¹21'55 -2.5m evening set -6119 Aug 14 j 00:08 20°906'45 opposition -6124 Jul 12 j 11:32 2°**∡**148'42 -6°11'08 -6119 Aug 27 j 06:09 0° $\Omega$ -6124 Jul 21 j 10:19 -6119 Sep 08 j 03:37  $30^{\circ}$ RML max. Earth dist. 8°**Ω**59'41 2.40209 AU -6119 Oct 05 j 10:47 direct -6124 Aug 13 j 12:14 26°M31'46 0° M -6124 Sep 06 j 13:48 0°**√** -6124 Nov 12 j 11:23 0°ರ conjunction -6119 Oct 11 j 01:24 4° Mp 21'49 0°13'25 -6123 Jan 03 j 05:01 0°**≈** minimum elong -6119 Oct 11 j 02:30 4° m 23'58 0°13'36 asc. node -6123 Feb 01 j 00:31 17°≈23'53 behind sun begin -6119 Oct 10 j 11:45 3° m 55'16 -6123 Feb 21 j 15:21 0°**)**€ behind sun end -6119 Oct 11 j 17:14 4° m 52'40 -6123 Apr 11 j 00:31  $0^{\circ}\Upsilon$ desc. node -6119 Oct 29 j 06:38 18° m 36'49 evening set -6123 May 17 j 16:54 23°Y15'36 -6119 Nov 12 j 18:45 0∘**ত** -6123 May 28 j 04:00 0°8 morning rise -6119 Dec 15 j 05:01 25°**£**23'33 max. Earth dist. -6123 Jun 13 j 00:03 10°**8**18'44 2.61851 AU -6119 Dec 21 i 03:15 0°M -6118 Jan 29 i 09:18 0°×7 conjunction -6123 Jul 04 i 00:33 24°813'04 1°07'23 -6118 Mar 11 j 08:20 0°궁 -6123 Jul 03 j 23:36 24°**8**11'28 1°07'40 -6118 Apr 23 j 19:41 0°≈ minimum elong -6123 Jul 12 j 15:27  $0^{\circ}II$ -6118 Jun 09 j 23:26 0°\ -6123 Aug 20 j 06:38 26°**Ⅲ**30'36 -6118 Aug 04 j 00:01  $0^{\circ}\Upsilon$ morning rise -6123 Aug 25 j 06:07 0ಂತಾ -6118 Sep 24 j 07:48 16°**Y**41'15 asc. node -6123 Oct 06 j 02:47  $0^{\circ}\Omega$ -6118 Oct 04 j 09:26 17°**Y**18'35 retrograde 1°49'52 -6123 Nov 15 j 14:53 0° m -6118 Nov 13 j 00:55 7°**Y**45′58 opposition -6123 Dec 25 j 08:20 greatest brilliancy -6118 Nov 13 j 01:25 0∘ଫ 7°**Y**45′28 -1.4m -6122 Jan 24 j 15:23 -6118 Nov 14 j 00:10 22°**£**53'36 min. Earth dist. 7°**Υ**22'44 0.66888 AU desc. node -6122 Feb 03 j 02:58 0°M -6118 Dec 05 j 16:52 30°**₹** -6122 Mar 16 j 04:54 0° ×7 -6118 Dec 23 j 18:57 27° ¥ 52'33 direct -6122 Apr 30 j 01:15 0°궁 -6117 Jan 12 j 02:41  $0^{\circ}\Upsilon$ -6122 Jun 30 j 17:08 0°≈ -6117 Mar 25 j 00:56 0°8 retrograde -6122 Jul 24 j 20:02 3°**≈**43′03 -6117 May 14 j 00:28  $0^{\circ}\Pi$ -6122 Aug 16 j 17:42 30°Rる -6117 Jun 27 j 10:15 0ಂತಾ min. Earth dist. -6122 Aug 26 j 13:02 26°る31'36 0.56493 AU -6117 Aug 07 j 14:02  $0^{\circ}\Omega$ -6122 Sep 01 j 21:44 24°る03'01 -4°11'45 -6117 Sep 15 j 18:15 0° m opposition greatest brilliancy -6122 Sep 01 j 00:57 24°る23'15 -1.8m desc. node -6117 Sep 16 j 02:42 0° m 16'27 -6122 Oct 08 j 00:10 15°**る**51'32 -6117 Oct 15 j 02:05 22° m 58'40 direct evening set -6122 Dec 01 j 17:27 -6117 Oct 24 j 00:14 0°**⊽** 0°≈ -6122 Dec 20 j 00:58 8°≈27'28 -6117 Dec 01 j 07:35 asc. node 0°M -6121 Jan 29 j 18:54 0°**)**€  $0^{\circ}\Upsilon$ -6121 Mar 22 j 04:28 conjunction -6117 Dec 18 i 22:00 13°ML34'37 -0°58'27 -6121 May 09 j 10:26 0°8 minimum elong -6117 Dec 18 i 19:02 13°ML28'56 0°58'39 -6121 Jun 24 i 02:26  $\mathbb{I}^{\circ 0}$ -6116 Jan 09 i 13:38 0°×7 evening set -6121 Jun 27 j 13:50 2°II21'05 max. Earth dist. -6116 Feb 04 i 23:52 19°**✗**32'30 2.43770 AU max. Earth dist. -6121 Jul 14 j 05:19 13°**I**I45'28 2.52288 AU -6116 Feb 19 j 11:38 0°궁 -6121 Aug 06 j 08:24 0ಂತಾ -6116 Feb 20 j 23:56 1°る04'52 morning rise -6116 Apr 02 j 13:47 0°**≈** -6121 Aug 16 j 22:24 7°935'08 1°05'46 -6116 May 18 j 04:07 0°\ conjunction -6116 Jul 05 j 20:56  $0^{\circ}\Upsilon$ minimum elong -6121 Aug 16 j 23:46 7°537'37 1°06'10 20°**Y**36'36 -6121 Sep 16 j 11:59  $0^{\circ}\Omega$ -6116 Aug 11 j 08:18 asc. node morning rise -6121 Oct 09 j 16:15 17°**Ω**26'47 -6116 Aug 29 j 15:43 0°8 -6121 Oct 26 j 02:32 0° m retrograde -6116 Nov 09 j 09:38 21°847'09 0∘<u></u>Ω -6116 Dec 17 j 14:42 13°**8**02'10 -6121 Dec 03 j 20:56 opposition 4°15'54 desc. node -6116 Dec 18 j 05:24 -6121 Dec 12 j 11:43 6°**£**41'41 greatest brilliancy 12°**8**47'52 -1.5m 0°M -6116 Dec 22 j 08:08 -6120 Jan 11 j 14:47 min. Earth dist. 11°**8**12'02 0.62837 AU -6115 Jan 27 j 15:23 -6120 Feb 20 j 06:15 0°**√** direct 3°**8**04'38 -6120 Apr 01 j 21:29 0°궁 -6115 Apr 16 j 08:11  $0^{\circ}\Pi$ -6120 May 17 j 06:10 0°≈ -6115 Jun 03 j 20:29 0ಂಣ -6120 Jul 11 j 05:02 0°**)**€ -6115 Jul 16 j 08:22 0° $\Omega$ retrograde -6120 Aug 30 j 12:26 13°**¥**00′39 desc. node -6115 Aug 03 j 00:31 13°**Ω**09′50 -6120 Oct 06 j 18:43 4°**₭**11'15 0.64668 AU -6115 Aug 25 j 02:23 0° m min. Earth dist. -6120 Oct 09 j 13:14 3°**¥**04'22 -1°04'16 -6115 Oct 02 j 16:49 0∘**ত** opposition

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:23, Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style. -6115 Nov 10 i 07:53 0°M -6110 Sep 22 j 18:10 0ಂತಾ -6115 Dec 19 j 18:13 29°M52'36 -6110 Nov 06 j 06:35  $0^{\circ}\Omega$ evening set -6115 Dec 19 j 22:11 0°**∡**¹ -6110 Dec 20 j 13:43 0° m -6114 Jan 30 j 04:06 0°る 0∘**⊽** -6109 Feb 03 j 22:06 29°**£**16′06 desc. node -6109 Mar 26 j 08:07 -6114 Feb 16 j 09:34 conjunction 12°る07'12 -1°03'02 -6109 Mar 27 j 20:23 0°M minimum elong -6114 Feb 16 j 11:14 12°る10'07 1°03'25 retrograde -6109 May 14 j 20:03 13°M14'15 -6109 Jun 10 j 14:32 -6114 Mar 14 j 10:25 0°≈ min. Earth dist. 8°M45'13 0.40019 AU max. Earth dist. -6114 Mar 20 j 06:05 3°≈55'41 2.56092 AU opposition -6109 Jun 16 j 18:51 6°M56'14 -5°21'25 morning rise -6114 Apr 11 j 21:08 18°≈59'27 greatest brilliancy -6109 Jun 15 j 13:46 7°**I**ቤ17'43 -2.8m -6114 Apr 28 j 17:24 0°\ direct -6109 Jul 17 j 05:17 1°M30'37 -6114 Jun 14 j 20:24  $0^{\circ}\Upsilon$ -6109 Oct 05 j 12:17 0°×7 -6114 Jun 29 j 05:33 8°Y56'14 0°정 asc. node -6109 Nov 25 j 13:54 -6114 Aug 02 j 21:19 0°8 -6108 Jan 13 j 03:16 0°≈ -6114 Sep 24 j 12:53  $0^{\circ}II$ asc. node -6108 Feb 18 j 15:16 22°≈44'17 -6114 Dec 07 j 07:51 0ಂತಾ -6108 Mar 01 j 06:24 0°**)**€ retrograde -6114 Dec 24 j 15:30 1°9543'52 -6108 Apr 18 j 01:43  $0^{\circ}\Upsilon$ -6113 Jan 10 j 04:47 30°RⅡ evening set -6108 May 02 j 16:36 9°Y15'53 opposition -6113 Jan 29 j 03:53 24°II18'37 5°36'30 max. Earth dist. -6108 Jun 02 j 23:46 29°\bar{\gamma}19'38 2.64297 AU greatest brilliancy -6113 Jan 30 j 16:41 23°**Ⅱ**45'38 -1.9m -6108 Jun 04 j 00:43 0°8 min. Earth dist. -6113 Feb 06 j 04:38 21°**Ⅱ**26′33 0.52842 AU direct -6113 Mar 09 i 07:47 15°**Ⅱ**15'53 conjunction -6108 Jun 18 i 17:09 9°833'21 0°58'42 -6113 Apr 30 j 12:37 0000 minimum elong -6108 Jun 18 j 15:51 9°**8**31'13 0°58'54 -6113 Jun 20 j 01:41  $0^{\circ}\Omega$ -6108 Jul 19 j 14:15  $0^{\circ}II$ desc. node -6113 Jun 21 j 01:18 0°**Ω**39'42 -6108 Aug 03 j 21:29 10°**Ⅱ**19'29 morning rise -6113 Aug 01 j 10:02 0°m -6108 Sep 01 j 12:04 0ಂತಾ -6113 Sep 10 j 10:17 0∘**⊽** -6108 Oct 13 j 20:03  $0^{\circ}\Omega$ -6113 Oct 20 j 02:30 0°M -6108 Nov 23 j 22:22 O° m -6113 Nov 29 j 14:42 -6107 Jan 03 j 08:28 0°×7 0∘Ω -6112 Jan 10 j 15:47 0°정 -6107 Feb 10 j 08:09 28°**2**03'41 desc. node -6107 Feb 12 j 24:00 -6112 Feb 11 j 09:36 21°る49'40 0°M evening set 0°×7 -6112 Feb 23 j 12:48 -6107 Mar 27 j 14:41 0°≈ -6107 May 16 j 11:06 0°궁 -6107 Jul 08 j 00:07 -6112 Apr 03 j 00:38 15°**る**29'55 conjunction 26°≈03'34 -0°24'04 retrograde -6112 Apr 03 j 01:38 -6107 Aug 07 j 14:24 9°る07'42 0.51931 AU minimum elong 26°≈05'12 0°24'18 min. Earth dist. -6112 Apr 09 j 02:09 0°**∀** -6107 Aug 13 j 19:16 greatest brilliancy 6°**ප්**48'21 -2.0m -6107 Aug 15 j 02:19 max. Earth dist. -6112 Apr 16 j 07:32 4°**¥**40'36 2.64175 AU opposition 6°**ට**19'13 -5°17'53 -6112 May 16 j 00:22 23°\ 44'33 -6107 Sep 05 j 05:41 30°R.✓ asc. node -6112 May 21 j 12:22 27° ¥ 14'57 direct -6107 Sep 18 j 15:57 28°**х** 46′24 morning rise -6112 May 25 j 20:02  $0^{\circ}\Upsilon$ -6107 Oct 02 j 20:26 0°ರ -6112 Jul 12 j 04:52  $0^{\circ}$ 8 -6107 Dec 16 j 17:13 0°≈ -6112 Aug 28 j 23:36  $\mathbb{I}^{\circ 0}$ -6106 Jan 05 j 15:34 10°≈51'32 asc. node -6112 Oct 16 j 18:32 0ಂತಾ -6106 Feb 08 j 00:06 0°) -6112 Dec 08 j 04:29  $0^{\circ}\Omega$ -6106 Mar 29 j 20:28  $0^{\circ}\Upsilon$ -6111 Feb 26 j 00:01 26°**Ω**55'07 -6106 May 16 j 13:16 0°8 retrograde opposition -6111 Mar 29 i 10:07 21°Ω27'46 2°49'07 evening set -6106 Jun 11 j 03:22 16°840'27 greatest brilliancy -6111 Mar 30 i 04:37 21°Ω14'20 -2.7m max. Earth dist. -6106 Jun 30 i 20:14 29°849'40 2.56546 AU min. Earth dist. -6111 Apr 04 i 10:14 19°**Ω**43'52 0.40526 AU -6106 Jul 01 j 02:21  $0^{\circ}II$ direct -6111 May 01 i 15:23 15°**Ω**13'45 desc. node -6111 May 08 j 05:28 15°Ω31'35 -6106 Jul 29 j 20:22 19°**I**I43'50 1°11'24 conjunction -6111 Jun 21 j 16:42 0° m -6106 Jul 29 i 20:39 19°**Ⅱ**44'19 1°11'47 minimum elong -6111 Aug 10 j 20:48 0∘**⊽** -6106 Aug 13 j 10:49 0ಂತಾ -6111 Sep 23 j 20:23 0°M -6106 Sep 18 j 06:56 25°954'30 morning rise -6106 Sep 23 j 19:56 -6111 Nov 06 j 01:00 0°×7  $0^{\circ}\Omega$ -6106 Nov 02 j 17:15 -6111 Dec 19 j 23:14 0°정 0° m -6110 Feb 03 j 03:41 0°≈ -6106 Dec 11 j 18:35 0∘**⊽** -6110 Mar 21 j 12:10 0°**)**€ -6106 Dec 29 j 06:26 13°**2**29'20 desc. node 2°**)** 39′23 -6105 Jan 19 j 19:05 0°M evening set -6110 Mar 25 j 15:39 -6110 Apr 02 j 18:23 7° **\(**50'51 -6105 Feb 28 j 18:34 0°**∡**7 asc. node  $0^{\circ}\Upsilon$ 0°₹ -6110 May 07 j 11:36 -6105 Apr 12 j 01:35 max. Earth dist. -6110 May 10 j 19:01 2°**Y**06'41 2.66948 AU -6105 May 29 j 11:09 0°≈ -6105 Aug 17 j 12:36 28°≈51'35 retrograde conjunction -6110 May 12 j 16:14 3°Υ18'47 0°22'09 min. Earth dist. -6105 Sep 22 j 04:11 20°≈35'53 0.62150 AU minimum elong -6110 May 12 j 15:26 3°**Y**17'32 0°22'07 opposition -6105 Sep 26 j 09:18 18°≈54'50 -2°16'46 -6110 Jun 23 j 08:10  $0^{\circ}$ 8 greatest brilliancy -6105 Sep 26 j 01:55 19°**≈**02'13 -1.6m -6110 Jun 27 j 13:32 2°843'16 -6105 Nov 03 j 11:05 morning rise 9°≈58'00

asc. node

-6105 Nov 23 j 18:01

12°≈19'14

-6110 Aug 08 j 12:02

 $\mathbb{I}^{\circ 0}$ 

Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style. -6104 Jan 10 j 20:57 0°**)**€ -6099 Jan 25 i 19:59 21°×740'20 -1°09'23 conjunction -6104 Mar 07 j 08:20  $0^{\circ}\Upsilon$ -6099 Jan 25 j 20:24 21° - 41'06 1°09'45 minimum elong -6104 Apr 26 j 02:39 0°8 -6099 Feb 06 j 10:14 0°궁 -6104 Jun 11 j 06:32  $\mathbb{I}^{\circ 0}$ -6099 Mar 06 j 13:27 19°**る**44'29 max. Earth dist. 2.51637 AU -6099 Mar 21 j 13:14 -6104 Jul 24 j 19:45 evening set 0°9510'50 0°≈ -6104 Jul 24 j 13:41 -6099 Mar 24 j 19:24 0°9 morning rise 2°≈12'19 max. Earth dist. -6104 Aug 09 j 22:15 11°5647'56 2.44850 AU -6099 May 05 j 20:41 0°**)**€ -6104 Sep 03 j 13:03 -6099 Jun 22 j 08:52  $0^{\circ}\Upsilon$  $0^{\circ}\Omega$ 14° Y 17'48 asc. node -6099 Jul 15 j 21:47 conjunction -6104 Sep 17 j 06:42 10°**Ω**21'52 0°40'22 -6099 Aug 11 j 17:45 0°8 minimum elong -6104 Sep 17 j 09:01 10°**Ω**26'16 0°40'39 -6099 Oct 08 j 15:55  $0^{\circ}\Pi$ -6104 Oct 12 j 20:51 -6099 Dec 05 j 11:24 15°**Ⅱ**15'02 0° m retrograde -6098 Jan 11 j 06:00 desc. node -6104 Nov 15 j 01:54 25° m 53'07 opposition 7°**Ⅲ**13'21 5°18'25 morning rise -6104 Nov 17 j 01:30 27° m 26'16 greatest brilliancy -6098 Jan 12 j 10:35 6°**Ⅱ**46'37 -1.7m -6104 Nov 20 j 08:03 0∘**⊽** min. Earth dist. -6098 Jan 18 j 03:42 4°**Ⅲ**38'51 0.57413 AU -6104 Dec 28 j 18:59 0°M -6098 Feb 01 j 18:13 30°R₩ -6103 Feb 06 j 02:48 0°**√** direct -6098 Feb 20 j 12:17 27°838'17 -6103 Mar 19 j 04:55 0°る -6098 Mar 12 j 02:26  $\Pi^{\circ}0$ -6103 May 02 j 01:48 0°≈ -6098 May 16 j 23:40 0ಂತಾ -6103 Jun 19 j 16:39 0°**)**€ -6098 Jul 01 j 06:21  $0^{\circ}\Omega$ -6103 Aug 23 j 23:16  $0^{\circ}\Upsilon$ desc. node -6098 Jul 07 j 19:15 4°**Ω**39'52 -6103 Sep 20 i 20:17 4°**Υ**23'22 -6098 Aug 11 i 02:24 0° m retrograde asc. node -6103 Oct 10 j 21:25 1°Y42'15 -6098 Sep 19 i 07:53 0∘**⊽** -6103 Oct 16 j 14:23 30°**₹** -6098 Oct 28 i 10:30 0°M -6103 Oct 30 j 18:56 24°**)** 38'21 0°45'04 -6098 Dec 07 j 11:05 0°×7 opposition -6103 Oct 30 j 07:02 24°\mathbf{\text{\text{50'18}}} 0.66770 AU -6097 Jan 18 j 02:18 0°궁 min. Earth dist. greatest brilliancy -6103 Oct 30 j 18:13 24°**)**€39'03 -6097 Jan 23 j 03:36 3°る33'09 -1 4m evening set -6103 Dec 10 j 01:11 14°**)** 55'14 -6097 Mar 02 j 15:33 direct 0°≈ -6102 Feb 05 j 14:57  $0^{\circ}\Upsilon$ -6102 Apr 04 j 01:15  $0^{\circ}$ 8 -6097 Mar 18 j 02:55 10°≈21'14 -0°41'21 conjunction -6102 May 22 j 06:01  $0^{\circ}II$ -6097 Mar 18 j 04:34 10°≈23'59 0°41'39 minimum elong -6102 Jul 05 j 03:07 -6097 Apr 07 j 07:46 0.00 23°≈40'22 2.61618 AU max. Earth dist. -6102 Aug 15 j 03:07 0° $\Omega$ -6097 Apr 17 j 00:41 0°**)** -6102 Sep 19 j 05:04 26°**Ω**50'38 -6097 May 07 j 11:52 13°¥12'48 evening set morning rise -6102 Sep 23 j 06:30 -6097 Jun 02 j 16:43 29° ¥ 55'11 0° m asc. node -6102 Oct 02 j 20:32 -6097 Jun 02 j 19:46  $0^{\circ}\Upsilon$ desc. node 7° m 28'51 -6097 Jul 20 j 15:14 0°8 -6102 Oct 31 j 12:24 0∘**⊽** -6097 Sep 07 j 15:08  $0^{\circ}\Pi$ conjunction -6102 Nov 21 j 17:36 16° 240'28 -0°35'24 -6097 Oct 29 j 15:32 0ಂತಾ -6102 Nov 21 j 14:39 16°**△**34'41 0°35'26 -6096 Jan 07 j 11:03  $0^{\circ}\Omega$ minimum elong -6102 Dec 08 j 19:17 0°M -6096 Jan 29 j 22:29 2° € 50'38 retrograde -6102 Dec 29 j 22:56 16°ML18'41 2.39116 AU -6096 Feb 20 j 08:13 30°Rூ max. Earth dist. -6101 Jan 17 j 00:11 0°×7 -6096 Mar 02 j 21:53 26°536'08 4°48'21 opposition -6101 Jan 27 j 13:12 7°**∡**°52'31 -6096 Mar 04 j 10:19 26°906'50 morning rise greatest brilliancy -2.4m -6101 Feb 26 j 21:06 0°₹ min. Earth dist. -6096 Mar 11 j 01:16 23°959'46 0.45005 AU -6101 Apr 11 j 00:08 0°≈ direct -6096 Apr 08 i 01:08 19°902'59 -6101 May 26 j 22:50 0°**)**€ -6096 May 21 i 01:21  $0^{\circ}\Omega$ -6101 Jul 16 i 00:03  $0^{\circ}\Upsilon$ desc. node -6096 May 24 j 21:02 1°**Ω**46′50 22° **Y**34'47 asc. node -6101 Aug 28 j 23:32 -6096 Jul 11 i 22:19 0° m -6101 Sep 16 j 04:21 0°8 -6096 Aug 23 j 23:36 0∘**⊽** -6101 Oct 26 j 10:10 8°814'22 -6096 Oct 04 j 09:08 0°M retrograde -6101 Dec 02 j 02:56 30°RY -6096 Nov 15 j 02:13 0°×7 -6101 Dec 04 j 08:14 29°Υ07'40 3°23'40 -6096 Dec 28 j 01:01 0°궁 opposition greatest brilliancy -6101 Dec 04 j 15:42 29°**Y**00′18 -1.4m -6095 Feb 10 j 13:35 0°22 27°Υ50'32 0.65189 AU min. Earth dist. -6101 Dec 07 j 14:30 -6095 Mar 09 j 14:34 17°≈44'56 evening set 19° **Y**07'03 -6100 Jan 14 j 11:23 -6095 Mar 28 j 12:22 0°**)**€ direct -6100 Mar 01 j 03:00 0°8 -6095 Apr 19 j 11:44 14° **H** 07'20 asc. node -6100 Apr 27 j 19:04  $0^{\circ}\Pi$ -6100 Jun 12 j 23:01 0ಂತಾ -6095 Apr 27 j 16:58 19°\(\mathbf{2}2'59\) 0°04'41 conjunction -6100 Jul 24 j 17:27  $0^{\circ}\Omega$ -6095 Apr 27 j 16:48 19°**¥**22'43 minimum elong 0°04'35 19°**Ω**41'38 -6095 Apr 26 j 21:42 desc. node -6100 Aug 19 j 18:48 behind sun begin 18°**¥**52′12 -6100 Sep 02 j 03:36 0° m behind sun end -6095 Apr 28 j 11:53 19°**)** 53'14 -6100 Oct 10 j 12:58 0∘**⊽** max. Earth dist. -6095 May 01 j 10:47 21°\(\dagger46'34\) 2.66499 AU -6100 Nov 17 j 23:24 0°M -6095 May 14 j 07:53  $0^{\circ}\Upsilon$ 19°**℃**07'06 evening set -6100 Nov 24 j 20:41 5°M18'58 morning rise -6095 Jun 13 j 06:51 -6100 Dec 27 j 08:52 0°×7 -6095 Jun 30 j 07:13 0°8

-6095 Aug 15 j 22:18

 $0^{\circ}\Pi$ 

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:23, Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style. -6095 Oct 01 i 03:21 0ಂಣ -6089 Jan 23 i 03:04 0°) -6095 Nov 16 j 09:11  $0^{\circ}\Omega$ -6089 Mar 16 j 21:19  $0^{\circ}\Upsilon$ -6094 Jan 02 j 22:33 0°m -6089 May 04 j 14:46 0°8 -6089 Jun 19 j 11:09  $0^{\circ}\Pi$ -6094 Feb 26 j 07:49 0∘ഹ -6094 Apr 12 j 00:12 -6089 Jul 07 j 09:32 12°**Ⅲ**13'40 desc. node 12°**£**49'56 evening set retrograde -6094 Apr 16 j 03:53 12°**£**56'48 max. Earth dist. -6089 Jul 22 j 21:16 23°**Ⅲ**01'15 2.49717 AU min. Earth dist. -6094 May 15 j 10:52 8°**≙**08'47 0.37871 AU -6089 Aug 01 j 17:49 0ಂಲ 7°**º**41'33 -2°41'31 opposition -6094 May 17 j 03:14 19°500'04 0°59'02 greatest brilliancy -6094 May 16 j 21:05 7°**£**45'42 -2.9m conjunction -6089 Aug 27 j 23:46 direct -6094 Jun 16 j 05:20 2°**£**39'54 minimum elong -6089 Aug 28 j 01:42 19°903'37 0°59'24 -6094 Aug 31 j 11:53 0°M -6089 Sep 11 j 20:06 0° $\Omega$ -6089 Oct 21 j 08:01 -6094 Oct 19 j 19:51 0°**∡**¹ 0° M 0°る -6094 Dec 05 j 14:48 morning rise -6089 Oct 23 j 01:20 1° m 19'37 -6093 Jan 21 j 09:20 0°**≈** -6089 Nov 28 j 23:22 0∘**⊽** asc. node -6093 Mar 07 j 07:50 28°≈32'18 desc. node -6089 Dec 02 j 21:25 3°**2**03′19 -6093 Mar 09 j 15:16 0°**)**€ -6088 Jan 06 j 13:57 0°M evening set -6093 Apr 18 j 16:42 25°\ 21'07 -6088 Feb 15 j 01:18 0°**⊼** -6093 Apr 26 j 00:33  $0^{\circ}\Upsilon$ -6088 Mar 27 j 09:40 0°정 max. Earth dist. -6093 May 25 j 13:05 18°**Υ**'50'00 2.65960 AU -6088 May 11 j 00:04 0°≈ -6088 Jul 01 j 11:35 0°) conjunction -6093 Jun 04 j 19:48 25°Y26'38 0°46'29 retrograde -6088 Sep 07 j 08:55 21°¥13'50 minimum elong -6093 Jun 04 j 18:29 25°**Y**'24'31 0°46'36 min. Earth dist. -6088 Oct 15 i 11:20 12°\(\mathbf{H}\) 07'41 0.65693 AU -6093 Jun 11 j 21:07 0°8 -6088 Oct 17 j 10:21 11°\(\frac{1}{20}\)'23 -0°23'11 opposition -6093 Jul 20 j 12:35 25°**8**17'29 greatest brilliancy -6088 Oct 17 j 09:53 11°**¥**20′52 -1.4m morning rise -6093 Jul 27 j 14:41  $\mathbb{I}^{\circ 0}$ asc. node -6088 Oct 27 j 11:21 7°**)** 27'23 -6093 Sep 09 j 22:23 0ಂತಾ -6088 Nov 25 j 23:43 1° # 51'56 direct -6093 Oct 22 j 21:55  $0^{\circ}\Omega$ -6087 Feb 18 j 21:16  $0^{\circ}\Upsilon$ -6093 Dec 03 j 20:41 0°m -6087 Apr 12 j 21:01 0°8 -6092 Jan 14 j 08:52 0∘**⊽** -6087 May 30 j 00:53 0°Π  $0^{\circ}$ M -6092 Feb 25 j 14:48 -6087 Jul 12 j 14:45 000 -6092 Feb 28 j 02:16 1°M42'36 -6087 Aug 22 j 13:44 0 $\circ$  $\Omega$ desc. node -6087 Aug 26 j 08:19 -6092 Apr 11 j 22:34 0°×7 2°**£**50′33 evening set -6092 Jun 19 j 01:21 24°×23'59 -6087 Sep 30 j 18:04 retrograde 0° m 3° m 25'22 2.38322 AU -6092 Jul 17 j 12:18 -6087 Oct 05 j 03:35 min. Earth dist. 18°**₹**′54'41 0.46947 AU max. Earth dist. -6092 Jul 23 j 23:33 greatest brilliancy 16°**₹**38'49 -2.3m desc. node -6087 Oct 19 j 17:10 14° m/48'44 -6092 Jul 25 j 14:29 opposition 16°**∡**04'30 -6°04'07 -6092 Aug 27 j 12:12 -6087 Oct 25 j 12:45 19° m/22'37 -0°04'22 direct 9°**х** 18′52 conjunction -6092 Nov 02 j 21:12 0°ರ minimum elong -6087 Oct 25 j 12:22 19° m 21'52 0°04'14 -6092 Dec 27 j 22:01 0°**≈** -6087 Oct 24 j 10:00 18° m/30'07 behind sun begin -6091 Jan 22 j 06:28 14°≈54'23 -6087 Oct 26 j 14:43 20° m 13'37 asc. node behind sun end -6091 Feb 16 j 09:34 0°**)**€ -6087 Nov 08 j 01:07 0∘**⊽** -6091 Apr 06 j 05:29  $0^{\circ}\Upsilon$ -6087 Dec 16 j 08:27 0°M -6091 May 23 j 13:17 0°8 -6087 Dec 31 j 05:44 11°MJ30'42 morning rise -6091 May 26 j 11:03 1°**8**52'43 -6086 Jan 24 j 12:58 0°**∡**7 evening set -6091 Jun 19 j 04:30 17°**8**24'05 2.60145 AU -6086 Mar 06 j 09:47 0°る max. Earth dist. -6091 Jul 08 i 01:26  $0^{\circ}II$ -6086 Apr 18 i 15:55 0°≈ -6086 Jun 04 i 04:55 0°) -6091 Jul 13 i 03:24 3°**П**26'05 1°10'25 conjunction -6086 Jul 26 i 15:24  $0^{\circ}\Upsilon$ minimum elong -6091 Jul 13 i 02:49 3°II25'05 1°10'44 asc. node -6086 Sep 14 i 13:39 20°Y56'18 -6091 Aug 20 j 13:50 0ಂತಾ -6086 Oct 12 j 06:49 25°**Y**10′57 retrograde -6091 Aug 30 j 07:26 6°953'44 -6086 Nov 20 j 17:43 15°**Y**46'36 2°25'44 morning rise opposition -6091 Oct 01 j 06:16  $0^{\circ}\Omega$ -6086 Nov 20 j 20:03 15°**Y**44'17 -1.4m greatest brilliancy -6091 Nov 10 j 12:35 0°m -6086 Nov 22 j 12:42 15°**Υ**03'50 0.66557 AU min. Earth dist. 5°Y49'11 -6091 Dec 19 j 23:32 0∘**⊽** direct -6086 Dec 31 j 17:05 0°8 desc. node -6090 Jan 15 j 00:18 19°**♀**50'35 -6085 Mar 17 j 12:57 -6090 Jan 28 j 10:16 0°M -6085 May 08 j 08:36  $0^{\circ}\Pi$ -6090 Mar 09 j 23:29 0°×7 -6085 Jun 22 j 07:08 0ಂತಾ -6090 Apr 22 j 12:16 0°る -6085 Aug 02 j 15:55 0° $\Omega$ -6090 Jun 13 j 21:32 -6085 Sep 06 j 12:56 0°≈ desc. node 26°**£**35′50 -6090 Aug 02 j 18:17 retrograde 13°≈32'40 -6085 Sep 10 j 22:09 0° m 0∘**⊽** min. Earth dist. -6090 Sep 05 j 13:43 5°≈56'46 0.58734 AU -6085 Oct 19 j 05:12 -6090 Sep 11 j 04:47 3°≈43'45 -3°30'24 evening set -6085 Oct 30 j 04:46 8°**£**37'49 opposition greatest brilliancy -6090 Sep 10 j 13:29 3°≈58'49 -1.7m -6085 Nov 26 j 13:14 0°M -6090 Sep 21 j 04:58 30°Ŗる direct -6090 Oct 18 j 01:48 25°る14'17 conjunction -6084 Jan 02 j 14:18 28°M19'47 -1°05'56 -6084 Jan 02 j 12:28 28°M16'20 1°06'14 -6090 Nov 16 j 13:27 minimum elong -6090 Dec 10 j 08:02 -6084 Jan 04 j 19:41 0°**∡**7 asc. node 8°≈39'22

,	omena of Mars fron iical year style is used: Th			//		, ,	e 32
rittention, ustronom	-6084 Feb 14 j 17:48	0°る	ii ustronomicur co	unting style is the year	-6079 Jan 24 j 04:49	0° <b>m</b> )	
max. Earth dist.	-6084 Feb 18 j 01:32	2° <b>පි</b> 22'19	2.46615 AU	retrograde	-6079 Mar 15 j 14:57	12° <b>m</b> 52'41	
morning rise	-6084 Mar 04 j 13:46	13° <b>る</b> 19'19		opposition	-6079 Apr 15 j 07:35	7° m 43'32	1°00'54
	-6084 Mar 28 j 18:47	0° <b>≈</b>		greatest brilliancy	-6079 Apr 15 j 12:40	7° <b>m</b> 40'03	-2.9m
	-6084 May 13 j 04:42	0° <b>)</b> €		min. Earth dist.	-6079 Apr 19 j 01:53	6° Mp 41′53	0.38811 AU
	-6084 Jun 30 j 07:23	$0^{\circ}$ $\Upsilon$		desc. node	-6079 Apr 28 j 15:56	4° Mp 17′36	
asc. node	-6084 Aug 01 j 13:30	18° <b>Y</b> ′51′53		direct	-6079 May 16 j 23:51	2°m,09'00	
	-6084 Aug 21 j 21:16	0° <b>8</b>			-6079 Jul 31 j 06:49	0∘ <b>亚</b>	
	-6084 Nov 11 j 07:25	0°П			-6079 Sep 16 j 09:04	0°M 0°. <b>⊼</b>	
retrograde	-6084 Nov 18 j 10:18 -6084 Nov 25 j 09:33	0° <b>Ⅱ</b> 18'32 30°Ŗ <b>႘</b>			-6079 Oct 30 j 21:47	0°る	
opposition	-6084 Nov 25 j 09.33 -6084 Dec 26 j 05:00	21° <b>8</b> 47'22	4°42'04		-6079 Dec 14 j 13:45 -6078 Jan 29 j 04:40	0° <b>≈</b>	
greatest brilliancy	-6084 Dec 27 j 00:30	21° <b>8</b> 28'38	-1.6m		-6078 Mar 16 j 19:17	0° <b>∺</b>	
min. Earth dist.	-6084 Dec 31 j 18:00	19° <b>8</b> 39'46	0.61161 AU	asc. node	-6078 Mar 24 j 00:05	4° <b>)</b> €35'48	
direct	-6083 Feb 05 j 02:13	11° <b>8</b> 54'44		evening set	-6078 Apr 03 j 12:31	11° <b>)</b> 18′00	
	-6083 Apr 07 j 07:56	0°Щ		C	-6078 May 02 j 21:28	$0^{\circ}\Upsilon$	
	-6083 May 28 j 13:40	$0$ $\circ$ $\odot$		max. Earth dist.	-6078 May 16 j 05:19	8° <b>Y</b> 29'51	2.66832 AU
	-6083 Jul 10 j 19:18	$0$ $^{\circ}\Omega$					
desc. node	-6083 Jul 24 j 11:33	10° <b>Ω</b> 03'59		conjunction	-6078 May 21 j 02:48	11° <b>Y</b> '37'29	0°31'39
	-6083 Aug 19 j 20:36	0° <b>™</b>		minimum elong	-6078 May 21 j 01:44	11° <b>Ƴ</b> 35'47	0°31'41
	-6083 Sep 27 j 15:13	0∘ <b>⊽</b>			-6078 Jun 18 j 17:49	0° <b>8</b>	
	-6083 Nov 05 j 09:20	0°M		morning rise	-6078 Jul 05 j 19:32	11° <b>8</b> 03'18	
	-6083 Dec 15 j 02:06	0° <b>҂</b> 13° <b>҂</b> 03'18			-6078 Aug 03 j 17:42	0° <b>©</b>	
evening set	-6082 Jan 01 j 20:21 -6082 Jan 25 j 10:14	0°る			-6078 Sep 17 j 14:46 -6078 Oct 31 j 11:38	0°€	
	-0002 Jan 25 j 10.14	0.0			-6078 Dec 13 j 17:02	0° <b>m</b> )	
conjunction	-6082 Feb 27 j 16:41	23° <b>る</b> 09'47	-0°56'20		-6077 Jan 26 j 02:54	0∘ <del>ت</del> مار	
minimum elong	-6082 Feb 27 j 18:35	23°る13'00			-6077 Mar 13 j 02:36	0°M₊	
C	-6082 Mar 09 j 17:53	0° <b>≈</b>		desc. node	-6077 Mar 16 j 18:18	2°M11'59	
max. Earth dist.	-6082 Mar 27 j 06:17	11° <b>≈</b> 45′06	2.58273 AU	retrograde	-6077 May 29 j 03:11	29°M34'02	
morning rise	-6082 Apr 21 j 12:55	28° <b>≈</b> 23′08		min. Earth dist.	-6077 Jun 24 j 23:52	24°M50'34	0.42199 AU
	-6082 Apr 24 j 00:29	0° <b>∀</b>		greatest brilliancy	-6077 Jun 30 j 21:48	22°M58'55	-2.6m
	-6082 Jun 09 j 23:03	0° <b>Υ</b>		opposition	-6077 Jul 02 j 10:59	22°M29'21	-6°02'00
asc. node	-6082 Jun 19 j 10:32	5° <b>Y</b> 56'37		direct	-6077 Aug 02 j 18:23	16°M36'16	
	-6082 Jul 28 j 10:27	8°0			-6077 Sep 22 j 16:26	0°⋜	
	-6082 Sep 17 j 08:15 -6082 Nov 15 j 15:05	0° <b>©</b> 0°¶			-6077 Nov 18 j 07:52 -6076 Jan 07 j 10:49	0° <b>≈</b>	
retrograde	-6081 Jan 05 j 18:45	12° <b>©</b> 28'54		asc. node	-6076 Feb 08 j 21:34	0 ∞ 19°≈53'57	
opposition	-6081 Feb 09 j 11:04	5° <b>©</b> 26'59	5°32'33	use. Houe	-6076 Feb 25 j 06:11	0° <b>∀</b>	
greatest brilliancy	-6081 Feb 11 j 02:31	4° <b>©</b> 52'42	-2.1m		-6076 Apr 13 j 09:00	0° <b>Υ</b>	
min. Earth dist.	-6081 Feb 17 j 20:29	2° <b>©</b> 32'43	0.50108 AU	evening set	-6076 May 11 j 06:55	17° <b>Y</b> ′41'05	
	-6081 Feb 26 j 00:29	30°RⅡ			-6076 May 30 j 10:55	$0^{\circ}$ 8	
direct	-6081 Mar 19 j 18:43	26° <b>Ⅱ</b> 49'50		max. Earth dist.	-6076 Jun 08 j 19:28	6° <b>8</b> 04'19	2.63047 AU
	-6081 Apr 11 j 00:41	$0$ $\circ$					
desc. node	-6081 Jun 11 j 13:31	29° <b>©</b> 51'59		conjunction	-6076 Jun 27 j 09:41	18° <b>8</b> 16'17	
	-6081 Jun 11 j 18:37	$\Omega^{\circ}$		minimum elong	-6076 Jun 27 j 08:33	18° <b>8</b> 14'25	1°04'27
	-6081 Jul 25 j 19:37	0° <b>m</b> )		morning rig-	-6076 Jul 15 j 00:11	0°Ⅱ 10°Ⅲ47'28	
	-6081 Sep 04 j 13:03 -6081 Oct 14 j 15:51	0° <b>Մ</b> 0° <b>亞</b>		morning rise	-6076 Aug 13 j 02:12 -6076 Aug 27 j 18:47	19° <b>∏</b> 47'38 0° <b>©</b>	
	-6081 Nov 24 j 11:27	0°111€ 0° <b>√</b> 7			-6076 Oct 08 j 21:10	0°€	
	-6080 Jan 05 j 18:12	%ರ			-6076 Nov 18 j 15:39	0°m)	
	-6080 Feb 18 j 19:12	0° <b>≈</b>			-6076 Dec 28 j 15:56	0∘ <b>⊽</b>	
evening set	-6080 Feb 21 j 15:22	1° <b>≈</b> 53'42		desc. node	-6075 Jan 31 j 19:37	25° <b>ჲ</b> 35'36	
	-6080 Apr 04 j 10:55	0° <b>∀</b>			-6075 Feb 06 j 18:08	$0^{\circ}$ M	
					-6075 Mar 20 j 07:27	0° <b>∡</b> ¹	
conjunction	-6080 Apr 12 j 05:33	5° <b>)</b> €01'46			-6075 May 05 j 12:18	0°ප	
minimum elong	-6080 Apr 12 j 06:06	5° <b>)</b> €02'41	0°13'45	retrograde	-6075 Jul 17 j 20:36	26° <b>⋜</b> 36'44	
behind sun begin	-6080 Apr 11 j 20:06	4° <b>)</b> (46'32		min. Earth dist.	-6075 Aug 18 j 15:02	19°る47'03	0.54526 AU
behind sun end	-6080 Apr 12 j 16:07	5° <b>)</b> €18'49	2.65221.433	greatest brilliancy	-6075 Aug 24 j 12:12	17°る31'50	-1.9m
max. Earth dist.	-6080 Apr 22 j 00:11	11° <b>米</b> 19'38	2.65231 AU	opposition	-6075 Aug 25 j 13:29	17°る07'36	-4~41'19
asc. node	-6080 May 06 j 04:50 -6080 May 21 j 04:31	20° <b>)</b> €25'42 0° <b>°</b>		direct	-6075 Sep 30 j 00:44 -6075 Dec 08 j 00:04	9°る12'21 0°≈	
morning rise	-6080 May 29 j 22:00	5° <b>Υ</b> 33'32		asc. node	-6075 Dec 26 j 21:28	0 ≈ 9°≈31'10	
morning rise	-6080 Jul 07 j 09:01	0° <b>と</b>		asc. 1100c	-6074 Feb 02 j 02:30	0° <b>∺</b>	
	-6080 Aug 23 j 15:48	0°П			-6074 Mar 24 j 19:15	0°Υ	
	-6080 Oct 10 j 06:41	0ಂತಾ			-6074 May 11 j 20:07	0°8	
	-6080 Nov 28 j 13:10	$0^{\circ}\Omega$		evening set	-6074 Jun 20 j 10:13	25° <b>8</b> 55'08	

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:23, Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style. -6074 Jun 26 j 11:58  $\mathbb{I}^{\circ 0}$ -6069 Feb 22 j 01:54 0°정 -6074 Jul 08 j 05:25 7°**П**58'00 2.54269 AU -6069 Apr 06 j 02:49 0°**≈** max. Earth dist. -6069 May 21 j 18:35 0°\ -6074 Aug 08 j 22:40 0°504'38 1°09'04 -6069 Jul 09 j 21:09  $0^{\circ}\Upsilon$ conjunction -6074 Aug 08 j 23:34 22°Y05'07 0°9506'14 -6069 Aug 19 j 05:21 minimum elong 1°09'26 asc. node -6074 Aug 08 j 20:03 0ಂತಾ -6069 Sep 04 j 16:53 ೧∘೪ -6074 Sep 19 j 03:04 -6069 Nov 03 j 21:19 0° $\Omega$ retrograde 16°**8**23'13 -6074 Sep 30 j 01:36 3°54'36 morning rise 8°**Ω**09'39 opposition -6069 Dec 12 j 11:05 7°**8**28'07 -6074 Oct 28 j 21:08 0° m greatest brilliancy -6069 Dec 12 j 22:23 7°**8**17'03 -1.4m -6074 Dec 06 j 18:40 0∘**⊽** min. Earth dist. -6069 Dec 16 j 13:12 5°**8**52'13 0.64006 AU desc. node -6074 Dec 19 j 16:36 10°**₽**00'01 -6068 Jan 02 j 23:02 30°RΥ 27°**Y**28′22 -6068 Jan 22 j 14:24 -6073 Jan 14 j 15:04 0°M direct -6068 Feb 12 j 10:06 -6073 Feb 23 j 08:42 0°**∡**¹ 0°8 -6073 Apr 06 j 04:11 0°ರ -6068 Apr 20 j 20:10  $0^{\circ}\Pi$ -6073 May 22 j 02:41 0°**≈** -6068 Jun 07 j 06:45 0ಂತಾ -6073 Jul 20 j 01:30 0°**)**€ -6068 Jul 19 j 11:51  $0^{\circ}\Omega$ retrograde -6073 Aug 25 j 15:38 7°**)** 31'17 desc. node -6068 Aug 10 j 05:12 16° £ 17′00 -6073 Sep 28 j 13:12 30°R≈ -6068 Aug 28 j 02:52 0° m min. Earth dist. -6073 Oct 01 j 05:26 28°≈56'20 0.63652 AU -6068 Oct 05 j 15:01 0∘**ত** opposition -6073 Oct 04 j 15:22 27°≈34'09 -1°34'25 -6068 Nov 13 j 03:32 0°M greatest brilliancy -6073 Oct 04 j 11:18 27°≈38'14 -1.5m evening set -6068 Dec 09 j 04:54 19°M55'35 direct -6073 Nov 12 j 07:08 18°≈24'41 -6068 Dec 22 j 14:37 0°×7 asc. node -6073 Nov 14 i 00:11 18°≈25'47 -6067 Feb 01 j 17:07 0°정 -6073 Dec 31 i 13:36 0°**)**€ -6072 Mar 01 j 07:00  $0^{\circ}\Upsilon$ -6067 Feb 07 i 08:51 4°る01'03 -1°06'41 conjunction -6072 Apr 21 j 00:02 0°8 -6067 Feb 07 j 10:09 4°る03'21 1°07'03 minimum elong -6072 Jun 06 j 12:03  $0^{\circ}II$ -6067 Mar 14 j 17:31 28°る33'23 2.54174 AU max. Earth dist. -6072 Jul 19 j 21:45 0ಂತಾ -6067 Mar 16 j 20:30 0°≈ -6067 Apr 04 j 08:07 12°≈25'21 -6072 Aug 05 j 00:38 11°937'00 evening set morning rise -6072 Aug 24 j 08:03 -6067 May 01 j 02:12 max. Earth dist. 25°951'00 2.42187 AU 0° <del>)(</del> -6067 Jun 17 j 07:35  $0^{\circ}\Upsilon$ -6072 Aug 29 j 21:15  $0^{\circ}\Omega$ -6067 Jul 06 j 02:51 11°Y35'27 asc. node -6072 Sep 30 j 09:39 24°Ω00'00 0°25'56 -6067 Aug 05 j 19:26 0°8 conjunction -6072 Sep 30 j 11:31 24°Ω03'35 0°26'09 -6067 Sep 29 j 02:25  $0^{\circ}\Pi$ minimum elong -6072 Oct 08 j 03:48 -6067 Dec 16 j 01:59 24°**I**51'17 0° m retrograde -6072 Nov 05 j 11:27 -6066 Jan 21 j 04:36 desc. node 22° m 05'56 opposition 17°**I**08'58 5°31'17 -6066 Jan 22 j 14:09 -6072 Nov 15 j 13:14 0∘**⊽** greatest brilliancy 16°**Ⅲ**38'14 -1.8m morning rise -6072 Dec 02 j 18:48 13°**♀**30'27 min. Earth dist. -6066 Jan 28 j 18:54 14°**Ⅲ**22'38 0.54964 AU -6072 Dec 23 j 22:29 0°M direct -6066 Mar 01 j 22:30 7°**Ⅱ**49'29 -6071 Feb 01 j 04:20 0°**√** -6066 May 07 j 22:06 0ಂತಾ -6071 Mar 14 j 03:10 0°ರ -6066 Jun 24 j 14:33  $0^{\circ}\Omega$ -6071 Apr 26 j 16:17 -6066 Jun 28 j 05:10 2°**£**29′52 0°≈ desc. node -6071 Jun 13 j 06:01 0°**)**€ -6066 Aug 05 j 05:18 0° m -6071 Aug 09 j 18:17  $0^{\circ}\Upsilon$ -6066 Sep 13 j 20:15 0°Ω -6071 Sep 28 j 14:51 12°Y16'23 -6066 Oct 23 j 05:32 0°M retrograde -6071 Oct 01 i 04:09 asc. node 12°Y13'51 -6066 Dec 02 j 11:19 0°×7 opposition -6071 Nov 07 j 10:24 2° Y 37'55 1°23'15 -6065 Jan 13 i 06:39 0°정 greatest brilliancy -6071 Nov 07 j 10:01 2°Υ38'18 -1.4m evening set -6065 Feb 03 i 08:15 14°る37'57 min. Earth dist. -6071 Nov 07 j 18:07 2°Υ30'12 0.66958 AU -6065 Feb 25 j 22:56 0°≈ -6071 Nov 14 i 02:12 30°R**₩** direct -6071 Dec 18 j 00:12 22°\ 48'32 -6065 Mar 27 j 22:38 19°≈54'56 -0°31'32 conjunction -6070 Jan 24 j 11:07  $0^{\circ}\Upsilon$ -6065 Mar 27 i 23:56 19°≈57'04 0°31'48 minimum elong -6070 Mar 28 j 18:04 0°8 -6065 Apr 12 j 09:19 0°\ -6070 May 16 j 23:33  $\mathbb{I}^{\circ 0}$ max. Earth dist. -6065 Apr 13 j 07:44 0°**升**36'23 2.63137 AU -6070 Jun 30 j 05:03 0000 -6065 May 16 j 04:53 21°\ 46'13 morning rise -6070 Aug 10 j 08:21  $0^{\circ}\Omega$ -6065 May 23 j 22:20 26°\ 41'56 asc. node  $0^{\circ}\Upsilon$ -6070 Sep 18 j 12:44 0° m -6065 May 29 j 02:51 -6070 Sep 23 j 07:16 -6065 Jul 15 j 15:39 0°8 desc. node 3°M 43'12 -6070 Oct 03 j 14:13 11° Mp 46'09 -6065 Sep 01 j 21:28  $0^{\circ}\Pi$ evening set 0∘<u>ଫ</u> -6065 Oct 21 j 19:34 0ಂತಾ -6070 Oct 26 j 18:38 0°M -6070 Dec 04 j 01:18 -6065 Dec 17 j 02:30 0 $^{\circ}$  $\Omega$ retrograde -6064 Feb 14 j 04:34 16°**Ω**19'18 conjunction -6070 Dec 07 j 04:17 2°M25'34 -0°49'51 opposition -6064 Mar 17 j 07:07 10°**Ω**31'44 3°51'32 minimum elong -6070 Dec 07 j 00:56 2°**I**L19′06 0°49'59 greatest brilliancy -6064 Mar 18 j 11:12 10°**Ω**10′20 -2.6m -6069 Jan 12 j 05:47 0°**∡** min. Earth dist. -6064 Mar 24 j 13:35 8°**Ω**19'46 0.42374 AU -6069 Jan 22 j 21:49 7°**≯**58'29 2.41525 AU -6064 Apr 20 j 20:23 3°**Ω**41'42 max. Earth dist. direct

-6064 May 15 j 08:50

desc. node

7°**Ω**34'36

-6069 Feb 10 j 18:14

morning rise

21°×749'49

•	omena of Mars from ical year style is used: Th		•	* *			e 34
7 ttention, astronom	-6064 Jul 01 j 13:46	0° <b>m</b> )	n ustronomicur co	max. Earth dist.	-6059 Jun 25 j 18:13		2.58253 AU
	-6064 Aug 16 j 11:11	0∘ <b>⊽</b>			-6059 Jul 03 j 11:25	$\Pi^{\circ}0$	
	-6064 Sep 28 j 01:07	0°M₊					
	-6064 Nov 09 j 11:00	0° <b>∡</b> ¹		conjunction	-6059 Jul 22 j 12:54	12° <b>Ⅱ</b> 58'50	1°11'42
	-6064 Dec 22 j 20:45	0°ಕ		minimum elong	-6059 Jul 22 j 12:47	12° <b>Ⅱ</b> 58'38	1°12'03
	-6063 Feb 05 j 16:45	0° <b>≈</b>			-6059 Aug 15 j 22:42	0ංම	
evening set	-6063 Mar 18 j 21:53	26°≈49'51		morning rise	-6059 Sep 09 j 20:00	17° <b>5</b> 49'09	
1	-6063 Mar 23 j 20:02	0° <b>\</b> 100 <b>\</b> 40157			-6059 Sep 26 j 11:53	0° <b>Ω</b>	
asc. node	-6063 Apr 09 j 16:31	10° <b>¥</b> 48'57			-6059 Nov 05 j 13:38	0 <b>்⊽</b> 0° <b>™</b>	
conjunction	-6063 May 06 j 08:22	27° <b>₩</b> 50'55	0°14'57	desc. node	-6059 Dec 14 j 19:02 -6058 Jan 05 j 11:13	16° <b>₽</b> 38'10	
minimum elong	-6063 May 06 j 07:48	27° <b>H</b> 50'01	0°14'54	desc. Hode	-6058 Jan 22 j 23:21	0° <b>™</b>	
behind sun begin	-6063 May 06 j 01:16	27° <b>\</b> 39'37	0 1434		-6058 Mar 04 j 03:05	0° <b>⊼</b> ¹	
behind sun end	-6063 May 06 j 14:20	28° <b>₩</b> 00'26			-6058 Apr 15 j 18:44	0°₹	
max. Earth dist.	-6063 May 06 j 21:14	28° <b>)</b> 11'27	2.66861 AU		-6058 Jun 03 j 12:42	0° <b>≈</b>	
	-6063 May 09 j 17:16	$0^{\circ}$ $\Upsilon$		retrograde	-6058 Aug 11 j 08:35	22° <b>≈</b> 53'48	
morning rise	-6063 Jun 21 j 11:34	27° <b>Y</b> 20'12		min. Earth dist.	-6058 Sep 15 j 05:19	14° <b>≈</b> 54'59	0.60728 AU
	-6063 Jun 25 j 15:08	$9^{\circ}$ 8		opposition	-6058 Sep 20 j 01:35	12° <b>≈</b> 59′26	-2°47'53
	-6063 Aug 10 j 23:57	$\Pi$ °0		greatest brilliancy	-6058 Sep 19 j 15:06	13° <b>≈</b> 09'51	-1.6m
	-6063 Sep 25 j 15:47	$0$ $\circ$ $\odot$		direct	-6058 Oct 27 j 15:21	4° <b>≈</b> 13'55	
	-6063 Nov 09 j 20:39	$0$ $^{\circ}$ $\Omega$		asc. node	-6058 Nov 30 j 14:40	10° <b>≈</b> 20′15	
	-6063 Dec 25 j 07:20	0° <b>m</b> )			-6057 Jan 15 j 15:33	0° <b>∀</b>	
,	-6062 Feb 11 j 02:15	0° <b>⊽</b>			-6057 Mar 11 j 08:23	0° <b>Υ</b>	
desc. node	-6062 Apr 02 j 12:10	24° <b>£</b> 55'10			-6057 Apr 29 j 16:30	0°B	
	-6062 Apr 23 j 07:13	0°M			-6057 Jun 14 j 18:16	0°П 22°П 2014 1	
retrograde	-6062 May 02 j 20:33 -6062 May 12 j 09:31	0°IL36'19 30°Ŗ <b>ჲ</b>		evening set	-6057 Jul 17 j 16:57 -6057 Jul 28 j 02:25	22° <b>Ⅱ</b> 38'41 0° <b>©</b>	
min. Earth dist.	-6062 May 30 j 06:42		0.38713 AU	max. Earth dist.	-6057 Aug 01 j 23:26		2.47050 AU
opposition	-6062 Jun 03 j 18:08	24° <b>♀</b> 52'02		max. Lartii dist.	-6057 Sep 07 j 04:08	0°Ω	2.47030 AO
greatest brilliancy	-6062 Jun 02 j 22:59	25° <b>♀</b> 05'27			0027 Sep 07 J 0 1.00	v 00	
direct	-6062 Jul 03 j 18:06	19° <b>≙</b> 42'53		conjunction	-6057 Sep 08 j 18:21	1° <b>Ω</b> 11'27	0°49'29
	-6062 Aug 15 j 21:56	0°M₊		minimum elong	-6057 Sep 08 j 20:38	1° <b>Ω</b> 15'43	0°49'48
	-6062 Oct 11 j 15:26	0° <b>∡</b> ¹			-6057 Oct 16 j 14:28	0° <b>m</b>	
	-6062 Nov 29 j 09:38	0°ප		morning rise	-6057 Nov 06 j 08:50	16°M)06'59	
	-6061 Jan 16 j 01:25	0° <b>≈</b>		desc. node	-6057 Nov 23 j 07:16	29° <b>m</b> 20'18	
asc. node	-6061 Feb 25 j 12:41	25°≈27'33			-6057 Nov 24 j 03:35	0∘ <b>⊽</b>	
	-6061 Mar 04 j 18:08	0° <b>∀</b>			-6056 Jan 01 j 15:47	0° <b>M</b> ₊	
. ,	-6061 Apr 21 j 08:47	0°Υ 2° <b>Ω</b> 46!26			-6056 Feb 10 j 00:12	0° <b>∡</b> ¹	
evening set max. Earth dist.	-6061 Apr 27 j 07:50 -6061 May 31 j 02:21	3° <b>Υ</b> 46'36 25° <b>Υ</b> 21'05	2.65150 AU		-6056 Mar 22 j 03:09 -6056 May 05 j 04:33	0°る ∞≈	
max. Earm dist.	-6061 Jun 07 j 07:11	0° <b>8</b>	2.03130 AU		-6056 Jun 23 j 15:08	0 <b>≈</b> 0° <b>∺</b>	
	0001 Jun 07 J 07.11	<b>° O</b>		retrograde	-6056 Sep 15 j 03:22	29° <b>∺</b> 15'58	
conjunction	-6061 Jun 13 j 07:57	3° <b>8</b> 54'36	0°53'56	asc. node	-6056 Oct 17 j 18:10	22° <b>)</b> 23'01	
minimum elong	-6061 Jun 13 j 06:37	3° <b>8</b> 52'25		min. Earth dist.	-6056 Oct 24 j 00:45	19° <b>¥</b> 54'14	0.66405 AU
_	-6061 Jul 22 j 23:09	$\Pi^{\circ}0$		opposition	-6056 Oct 25 j 04:04	19° <b>)</b> 26′47	0°16'56
morning rise	-6061 Jul 29 j 05:17	4° <b>Ⅱ</b> 11'19		greatest brilliancy	-6056 Oct 25 j 03:42	19° <b>∺</b> 27'09	-1.4m
	-6061 Sep 05 j 01:57	$0$ $\circ$ $\odot$		direct	-6056 Dec 04 j 03:33	9° <b>¥</b> 49'36	
	-6061 Oct 17 j 17:06	$0$ $^{\circ}$ $\Omega$			-6055 Feb 10 j 22:05	0° <b>Υ</b>	
	-6061 Nov 28 j 04:15	0° <b>m</b> )			-6055 Apr 07 j 05:24	0°₽	
1 1	-6060 Jan 08 j 00:33	0∘ <b>亚</b>			-6055 May 25 j 00:15	0°II	
desc. node	-6060 Feb 18 j 12:41	0°M12'38			-6055 Jul 07 j 19:24	$0$ ಂ $\Omega$	
	-6060 Feb 18 j 05:37	0° <b>™</b> 0° <i>⊀</i> 1		evening set	-6055 Aug 17 j 19:58	16° <b>Ω</b> 30'27	
	-6060 Apr 01 j 22:17 -6060 May 27 j 08:25	0°る		evening set	-6055 Sep 08 j 13:28 -6055 Sep 26 j 00:25	0° m)	
retrograde	-6060 Jun 30 j 03:01	0 0 7° <b>3</b> 10′52		desc. node	-6055 Oct 10 j 01:38	10° <b>m</b> y 58'16	
min. Earth dist.	-6060 Jul 29 j 17:50	1°る10'32'	0.49720 AU	dese. Hode	-6055 Nov 03 j 06:54	0ಂ <del>ರ</del>	
	-6060 Aug 02 j 02:12	30°R <b>✓</b>					
greatest brilliancy	-6060 Aug 05 j 03:53	28° <b>₹</b> 52'21	-2.1m	conjunction	-6055 Nov 09 j 18:07	5° <b>≏</b> 05'18	-0°22'26
opposition	-6060 Aug 06 j 15:02	28° <b>∡</b> ¹20'11		minimum elong	-6055 Nov 09 j 16:06	5° <b>ჲ</b> 01′20	
direct	-6060 Sep 09 j 11:13	21° <b>∡</b> °07'33		max. Earth dist.	-6055 Nov 25 j 03:39	17° <b>≏</b> 10'48	2.37898 AU
	-6060 Oct 20 j 11:33	5°0			-6055 Dec 11 j 13:40	0° <b>M</b>	
	-6060 Dec 21 j 00:53	0° <b>≈</b>		morning rise	-6054 Jan 15 j 22:50	27° <b>M</b> 08'56	
asc. node	-6059 Jan 12 j 12:23	12°≈43'41			-6054 Jan 19 j 17:36	0° <b>⊼</b>	
	-6059 Feb 10 j 22:49	0° <b>∀</b>			-6054 Mar 01 j 13:06	5°0	
	-6059 Apr 01 j 08:07	ი∘Ƴ			-6054 Apr 13 j 15:48	0° <b>≈</b>	
	-6059 May 18 j 21:41	$9^{\circ}$ 8			-6054 May 29 j 17:52	0° <b>∀</b>	
evening set	-6059 Jun 04 j 08:57	10° <b>8</b> 41'04			-6054 Jul 19 j 12:26	$0^{\circ}\mathbf{\Upsilon}$	

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:23, Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style. 22°**Y**49'02 -6054 Sep 04 j 20:33 -6049 Oct 08 i 23:22 0°M asc. node -6054 Sep 26 j 23:35 0°8 -6049 Nov 19 j 05:05 0°×7 -6054 Oct 20 j 07:26 3°804'03 -6049 Dec 31 j 18:54 0°궁 retrograde -6048 Feb 14 j 00:55 30°**₹**Υ -6054 Nov 11 j 00:51 0°≈≈ 23°**Y**49'04 -6054 Nov 28 j 12:11 opposition 2°59'50 evening set -6048 Mar 02 j 11:45 11°≈32'33 23°**Y**'44'10 greatest brilliancy -6054 Nov 28 j 17:08 -1.4m -6048 Mar 30 j 19:23 0°**∀** 22°**Y**46'49 min. Earth dist. -6054 Dec 01 j 03:05 0.65928 AU 13°**Y**49′07 direct -6053 Jan 08 j 14:50 conjunction -6048 Apr 21 j 04:50 13°¥46'46 -0°02'59 -6048 Apr 21 j 04:55 -6053 Mar 08 j 16:21 0°8 minimum elong 13°**¥**46′54 0°03′08 -6053 May 02 j 09:30  $0^{\circ}\Pi$ behind sun begin -6048 Apr 20 j 09:15 13°**¥**15′21 -6053 Jun 17 j 01:11 0ಂತಾ behind sun end -6048 Apr 22 j 00:36 14°**)** 18'27 -6048 Apr 26 j 09:36 -6053 Jul 28 j 16:13  $0^{\circ}\Omega$ asc. node 17°**)** 06'45 -6048 Apr 27 j 14:21 desc. node -6053 Aug 27 j 23:14 22° **Q** 58' 51 max. Earth dist. 17°**¥** 52'48 2.66031 AU -6053 Sep 06 j 01:07 0° m -6048 May 16 j 13:28  $0^{\circ}\Upsilon$ -6053 Oct 14 j 09:17 0∘**⊽** morning rise -6048 Jun 07 j 05:12 13°Y48'23 evening set -6053 Nov 14 j 09:43 24°**♀**17'26 -6048 Jul 02 j 14:50 0°8 -6053 Nov 21 j 18:05 0°M -6048 Aug 18 j 12:22  $0^{\circ}\Pi$ -6053 Dec 31 j 01:17 -6048 Oct 04 j 06:57 0ಂತಾ -6048 Nov 20 j 15:01  $0^{\circ}\Omega$ conjunction -6052 Jan 16 j 16:22 12°**₹**21'17 -1°09'17 -6047 Jan 09 j 17:35 0° m minimum elong -6052 Jan 16 j 15:53 12°**х** 20′23 1°09'39 retrograde -6047 Apr 02 j 12:09 29° m 55'43 -6052 Feb 09 i 23:52 0°ರ desc. node -6047 Apr 19 i 03:28 28° m 12'51 max. Earth dist. -6052 Feb 28 i 15:43 13°る11'56 2.49452 AU -6047 May 03 i 01:53 24° m 50'51 -1°05'11 opposition -6052 Mar 16 j 09:51 24°る48'10 greatest brilliancy -6047 May 03 i 01:47 24° m 50'55 morning rise -3.0m -6052 Mar 24 j 00:38 0°≈ min. Earth dist. -6047 May 03 j 21:50 24° m 37'30 0.37892 AU -6052 May 08 j 07:29 0°**₩** -6047 Jun 02 j 16:09 19° m 42'00 direct -6052 Jun 24 j 23:52  $0^{\circ}\Upsilon$ -6047 Jul 14 j 22:22 0∘**⊽** -6052 Jul 22 j 19:15 16°**Y**40′18 -6047 Sep 07 j 14:01 0°M asc node -6052 Aug 15 j 02:10 0°8 -6047 Oct 24 j 05:44 0°×7 -6052 Oct 16 j 02:16  $\mathbb{I}^{\circ 0}$ -6047 Dec 08 j 22:03 0°궁 -6046 Jan 24 j 02:32 -6052 Nov 27 j 22:27 9°**Ⅱ**07'33 0°22 retrograde -6046 Mar 12 j 00:36 -6051 Jan 04 j 04:41 0°) 0°**I**51'59 5°04'18 opposition -6051 Jan 05 j 05:15 greatest brilliancy 0°**I**I28'43 -6046 Mar 14 j 05:15 1°**)**23'38 -1.6m asc. node -6051 Jan 06 j 11:31 -6046 Apr 12 j 06:50 19°**)** 50'48 30°R₩ evening set -6051 Jan 10 j 12:41 28°**8**28'19 0.59207 AU  $0^{\circ}\Upsilon$ min. Earth dist. -6046 Apr 28 j 06:26 -6051 Feb 13 j 19:29 21°**8**07'27 -6046 May 21 j 16:18 14°**Y**55'41 2.66453 AU direct max. Earth dist. -6051 Mar 26 j 01:37  $\Pi$  $^{\circ}0$ -6051 May 21 j 16:36 0ಂತಾ conjunction -6046 May 29 j 13:49 19°Υ59'17 0°40'32 -6051 Jul 04 j 23:53  $0^{\circ}\Omega$ -6046 May 29 j 12:34 19°**Y**57'17 0°40'37 minimum elong desc. node -6051 Jul 14 j 23:32 7°Ω13'30 -6046 Jun 14 j 03:08 0°8 -6051 Aug 14 j 11:34 0° m morning rise -6046 Jul 14 j 05:13 19°835'18 -6051 Sep 22 j 11:42 0∘**ত** -6046 Jul 29 j 23:52  $0^{\circ}\Pi$ -6051 Oct 31 j 09:39 0°M -6046 Sep 12 j 13:58 0ಂತಾ -6051 Dec 10 j 05:32 0°×7 -6046 Oct 25 j 22:45 0° $\Omega$ -6050 Jan 14 j 05:32 25°**∡**¹25'39 -6046 Dec 07 j 10:07 evening set 0° M -6050 Jan 20 j 16:01 0°궁 -6045 Jan 18 j 14:58 0°Ω -6050 Mar 05 j 01:26 0°≈ -6045 Mar 03 i 01:02 0°M desc. node -6045 Mar 07 i 06:09 2°M47'29 conjunction -6050 Mar 10 j 10:23 3°≈37'23 -0°48'04 -6045 Apr 22 j 01:20 0°×7 -6050 Mar 10 i 12:12 3°≈40'27 0°48'22 -6045 Jun 10 i 23:07 14°**₹**31'07 minimum elong retrograde max. Earth dist. -6050 Apr 02 j 21:41 19°≈14'29 2.60222 AU min. Earth dist. -6045 Jul 08 j 14:35 9°**х** 24′19 0.44732 AU -6050 Apr 19 j 08:08 0°₩ -6045 Jul 14 j 23:02 7° **₹**16'24 -2.4m greatest brilliancy -6045 Jul 16 j 15:01 -6050 Apr 30 j 19:58 7°¥26'41 opposition 6°**х** 42'34 -6°11'58 morning rise -6050 Jun 05 j 03:45  $0^{\circ}\Upsilon$ direct -6045 Aug 17 j 18:31 0°**х** 20′20 2°Y48'42 -6045 Nov 09 j 23:13 asc. node -6050 Jun 09 j 14:35 0°정 -6050 Jul 23 j 04:54  $0^{\circ}$ 8 -6044 Jan 01 j 10:07 0°≈ -6050 Sep 10 j 21:09  $0^{\circ}II$ -6044 Jan 30 j 03:15 17°≈14'23 asc. node -6050 Nov 04 j 01:59 000 -6044 Feb 20 j 02:12 0°) -6049 Jan 18 j 23:59 -6044 Apr 08 j 14:24  $0^{\circ}\Upsilon$ retrograde 24°903'30 -6044 May 19 j 23:07 26°**Y**12'52 opposition -6049 Feb 21 j 17:36 17°527'07 5°14'05 evening set 0°8 greatest brilliancy -6049 Feb 23 j 08:48 16°954'18 -2.3m -6044 May 25 j 20:09 min. Earth dist. -6049 Mar 02 j 03:19 14°**©**39'11 0.47274 AU max. Earth dist. -6044 Jun 14 j 19:10 12°**8**59'41 2.61528 AU direct -6049 Mar 30 j 22:15 9°9522'34 -6049 Jun 01 j 05:46 0° $\Omega$ conjunction -6044 Jul 06 j 07:52 27°**8**16'12 1°08'21 desc. node -6049 Jun 02 j 00:44 0°**£**26′30 minimum elong -6044 Jul 06 j 07:00 27°**8**14'45 1°08'39 -6049 Jul 18 j 10:05 0° m -6044 Jul 10 j 09:31  $0^{\circ}\Pi$ 

-6044 Aug 22 j 17:55

morning rise

29°II46'33

-6049 Aug 29 j 05:57

0∘**⊽** 

-	cal year style is used: Th		•	, ·	6399 BCE in historical c	, ,	7 50
Titterition, dollarion	-6044 Aug 23 j 01:35	0°ම	ii usii onomioui oou	asc. node	-6039 Sep 21 j 10:11	18° <b>Y</b> 46'46	
	-6044 Oct 03 j 22:58	$0^{\circ}\Omega$		retrograde	-6039 Oct 06 j 10:34	20° <b>Ƴ</b> 07'38	
	-6044 Nov 13 j 11:05	0°m		opposition	-6039 Nov 15 j 02:15	10° <b>Ƴ</b> 36'37	2°00'05
	-6044 Dec 23 j 03:41	0∘ <u>⊽</u>		greatest brilliancy	-6039 Nov 15 j 03:05	10° <b>Ƴ</b> 35'47	-1.4m
desc. node	-6043 Jan 22 j 04:51	22° <b>≏</b> 45'15		min. Earth dist.	-6039 Nov 16 j 05:53	10° <b>Y</b> 09′02	0.66868 AU
	-6043 Jan 31 j 20:14	0°M		direct	-6039 Dec 25 j 22:19	0° <b>Y</b> 42′05	
	-6043 Mar 13 j 17:23	0° <b>∡</b> ¹			-6038 Mar 21 j 20:30	$9^{\circ}$ 8	
	-6043 Apr 27 j 00:46	5°0			-6038 May 11 j 12:11	$\Pi^{\circ}0$	
	-6043 Jun 23 j 05:44	0° <b>≈</b>			-6038 Jun 25 j 04:34	0ං <b>ව</b>	
retrograde	-6043 Jul 27 j 03:37	6°≈56'03			-6038 Aug 05 j 11:55	$0^{\circ}\Omega$	
	-6043 Aug 28 j 04:47	30°Ŗる		desc. node	-6038 Sep 13 j 17:41	29° <b>Ω</b> 59'20	
min. Earth dist.	-6043 Aug 29 j 01:38	29° <b>る</b> 40'02	0.56940 AU		-6038 Sep 13 j 18:02	0° <b>m</b>	
greatest brilliancy	-6043 Sep 03 j 11:45	27° <b>る</b> 33'18	-1.8m	evening set	-6038 Oct 18 j 11:23	27° Mp 12'15	
opposition	-6043 Sep 04 j 07:10	27° <b>る</b> 14'22	-4°01'13		-6038 Oct 22 j 00:38	0∘ <b>ত</b>	
direct	-6043 Oct 10 j 14:07	18° <b>る</b> 59'10			-6038 Nov 29 j 07:33	$0^{\circ}$ M.	
	-6043 Nov 26 j 18:47	0° <b>≈</b>					
asc. node	-6043 Dec 17 j 04:27	8° <b>≈</b> 57'25		conjunction	-6038 Dec 22 j 07:25	17°M43'23	-1°00'33
	-6042 Jan 26 j 18:56	0° <b>)</b> €		minimum elong	-6038 Dec 22 j 04:41	17° <b>M</b> 38'10	1°00'47
	-6042 Mar 19 j 14:34	$0^{\circ}\mathbf{\Upsilon}$			-6037 Jan 07 j 12:14	0° <b>∡</b> 7	
	-6042 May 07 j 01:31	$9^{\circ}$ 8		max. Earth dist.	-6037 Feb 08 j 11:17	23° <b>∡</b> ¹36′23	2.44295 AU
	-6042 Jun 21 j 20:58	$\Pi^{\circ}$			-6037 Feb 17 j 08:03	0°ප	
evening set	-6042 Jun 29 j 23:13	5° <b>Ⅱ</b> 28'38		morning rise	-6037 Feb 24 j 01:16	4° <b>ප</b> 47'50	
max. Earth dist.	-6042 Jul 16 j 04:32	16° <b>Ⅱ</b> 37'37	2.51807 AU	C	-6037 Apr 01 j 07:21	0° <b>≈</b>	
	-6042 Aug 04 j 05:27	0°ಅ			-6037 May 16 j 17:46	0° <b>)</b> €	
	j				-6037 Jul 04 j 03:42	$_0$ ° $\gamma$	
conjunction	-6042 Aug 19 j 12:58	10°959'04	1°04'19	asc. node	-6037 Aug 09 j 10:17	20° <b>Ƴ</b> 45'10	
minimum elong	-6042 Aug 19 j 14:29	11°501'48	1°04'41		-6037 Aug 27 j 00:43	0°8	
	-6042 Sep 14 j 10:36	0°N		retrograde	-6037 Nov 12 j 15:14	24° <b>8</b> 42'00	
morning rise	-6042 Oct 12 j 17:13	21° <b>Ω</b> 18'41		opposition	-6037 Dec 20 j 19:26	15° <b>8</b> 59'35	4°22'51
	-6042 Oct 24 j 01:45	0° m/y		greatest brilliancy	-6037 Dec 21 j 11:11	15° <b>8</b> 44'20	-1.5m
	-6042 Dec 01 j 19:47	0∘ <b>⊽</b>		min. Earth dist.	-6037 Dec 25 j 17:27	14° <b>8</b> 05'23	0.62558 AU
desc. node	-6042 Dec 10 j 01:49	6° <b>£</b> 25'03		direct	-6036 Jan 30 j 20:47	6° <b>8</b> 02'37	0.02000110
desc. node	-6041 Jan 09 j 12:23	0°M			-6036 Apr 12 j 22:42	0°II	
	-6041 Feb 18 i 01:28	0° <b>⊼</b> ¹			-6036 Jun 01 j 07:51	0 . ಲ	
	-6041 Mar 31 j 12:29	0°ਰ			-6036 Jul 14 j 02:46	$0 {\circ} \mathcal{U}$	
	-6041 May 15 j 12:06	0° <b>≈</b>		desc. node	-6036 Jul 31 j 15:54	13° <b>Ω</b> 01'01	
	-6041 Jul 07 j 21:35	0° <b>)</b> €		desc. node	-6036 Aug 22 j 23:52	0° <b>m</b>	
retrograde	-6041 Sep 02 j 14:37	15° <b>)</b> 54′25			-6036 Sep 30 i 15:25	0∘ <b>ರ್</b> ೧.೫	
min. Earth dist.	-6041 Oct 10 j 01:37		0.64905 AU		-6036 Nov 08 j 06:20	0° <b>M</b>	
opposition	-6041 Oct 12 j 15:49	5° <b>)</b> 58'49			-6036 Dec 17 j 19:37	0°×7	
greatest brilliancy	-6041 Oct 12 j 14:11	6°\(\frac{1}{100}\)		evening set	-6036 Dec 22 j 21:20	3° <b>∡</b> ¹46′05	
greatest orimaney	-6041 Oct 29 j 03:20	30°R≈	1.5111	evening set	-6035 Jan 27 j 23:54	0°중	
asc. node	-6041 Nov 04 j 07:35	28°≈25'03			-0033 Jan 27 J 23.34	0 0	
direct	-6041 Nov 20 j 20:14	26°≈38'09		conjunction	-6035 Feb 19 j 04:52	15° <b>⋜</b> 36'24	-1°01'26
direct	-6041 Dec 15 j 12:24	0° <b>∺</b>		minimum elong	-6035 Feb 19 j 06:38	15°る39'29	
	-6040 Feb 23 j 18:06	0° <b>Υ</b>		minimum clong	-6035 Mar 12 j 04:17	13 <b>⊙</b> 3929	1 014/
	-6040 Apr 15 j 17:37	0°8		max. Earth dist.	-6035 Mar 22 j 04:07		2.56528 AU
	-6040 Jun 01 j 15:43	0°II		morning rise	-6035 Apr 14 j 08:45	22°≈08'53	2.30328 AU
	-6040 Jul 15 j 05:12	0°©		morning rise	-6035 Apr 26 j 09:03	22 <b>≈</b> 08 33	
evening set	-6040 Aug 16 j 19:19	23°5642'45			-6035 Jun 12 j 09:16	0° <b>Υ</b>	
evening set	-6040 Aug 25 j 05:26	23 <b>3</b> 4243		asc. node	-6035 Jun 26 j 07:53	8° <b>Υ</b> 41'43	
max. Earth dist.	-6040 Sep 12 j 14:50	13° <b>Ω</b> 55'41	2.39807 AU	asc. node	-6035 Jul 31 j 05:00	0° <b>8</b>	
max. Earth dist.	-6040 Oct 03 j 11:26	0°M)	2.39807 AU		-6035 Sep 21 j 05:45	0°II	
	-0040 Oct 03 j 11.20	V III			-6035 Nov 26 j 19:13	0°©	
agniumation	6040 Oct 14:06:27	00 m 2 412 2	0000122	ratra ara da	•		
conjunction	-6040 Oct 14 j 06:37	8° Mp 24'33	0°09'22	retrograde	-6035 Dec 27 j 11:21	5°©01'38	
minimum elong	-6040 Oct 14 j 07:24	8° Mp 26'04	0°09'31	onnosition	-6034 Jan 25 j 01:18	30°RⅡ 27°Ⅲ40/41	5025122
behind sun begin	-6040 Oct 13 j 09:39	7° Mp 43'39		opposition	-6034 Jan 31 j 19:37	27° <b>Ⅱ</b> 40'41	
behind sun end	-6040 Oct 15 j 05:09	9° Mp 08'31		greatest brilliancy	-6034 Feb 02 j 09:09		-2.0m
desc. node	-6040 Oct 26 j 21:59	18° Mp 18'06		min. Earth dist.	-6034 Feb 08 j 22:11	24° <b>∏</b> 47'38	0.52354 AU
	-6040 Nov 10 j 19:34	0° <b>ი</b>		direct	-6034 Mar 11 j 20:40	18° <b>Ⅱ</b> 41'48	
morning rise	-6040 Dec 18 j 20:11	29° <b>£</b> 46'25			-6034 Apr 25 j 14:52	0° <b>©</b>	
	-6040 Dec 19 j 03:11	0°M			-6034 Jun 17 j 05:25	0°N	
	-6039 Jan 27 j 07:18	0° <b>∡</b> 7		desc. node	-6034 Jun 18 j 17:11	0° <b>Ω</b> 59'12	
	-6039 Mar 09 j 03:23	0° <b>ට</b>			-6034 Jul 30 j 00:27	0° Mp	
	-6039 Apr 21 j 10:23	0° <b>≈</b>			-6034 Sep 08 j 04:36	0∘ <b>⊽</b>	
	-6039 Jun 07 j 06:04	0° <b>∀</b>			-6034 Oct 17 j 22:03	0°M 0°. <b>₹</b>	
	-6039 Jul 31 j 03:05	0°Υ			-6034 Nov 27 j 10:04	0° <b>⊼</b>	

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:23, Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style. -6033 Jan 08 j 10:09 0°정 -6029 Nov 22 j 17:52 0° m -6033 Feb 13 j 23:32 25°**ප**06'41 -6028 Jan 02 j 02:12 0∘**⊽** evening set -6033 Feb 21 j 05:56 -6028 Feb 09 i 00:05 28°**£**06'55 0°≈≈ desc. node -6028 Feb 11 j 13:48 o°m. -6028 Mar 24 j 19:07 0°×7 conjunction -6033 Apr 06 j 09:46 29°≈07'26 -0°21'11 -6028 May 12 j 03:32 -6033 Apr 06 j 10:39 0°궁 minimum elong 29°≈08'51 0°21'25 -6028 Jul 10 j 12:36 -6033 Apr 07 j 18:09 19°る01'23 0°**)**€ retrograde 12°**る**34'32 max. Earth dist. -6033 Apr 19 j 03:08 7°**)**€21'41 2.64397 AU min. Earth dist. -6028 Aug 10 j 07:36 0.52432 AU asc. node -6033 May 14 j 02:50 23°**)** 24'11 opposition -6028 Aug 17 j 18:07 9°る46'52 -5°09'22 0°Υ10'27 morning rise -6033 May 24 j 17:36 greatest brilliancy -6028 Aug 16 j 12:20 10°る14'54 -2.0m  $0^{\circ}\Upsilon$ -6033 May 24 j 11:02 direct -6028 Sep 21 j 13:14 2°る09'29 -6033 Jul 10 j 18:29  $0^{\circ}$ 8 -6028 Dec 13 j 04:59 0°≈ -6033 Aug 27 j 10:08  $0^{\circ}\Pi$ asc. node -6027 Jan 02 j 18:24 10°≈59'35 -6033 Oct 14 j 21:22 0ಂತಾ -6027 Feb 05 j 05:32 0°**)**€ -6033 Dec 05 j 07:27  $0^{\circ}\Omega$ -6027 Mar 27 j 08:16  $0^{\circ}\Upsilon$ -6032 Feb 16 j 19:38 0° m -6027 May 14 j 04:50 0°8 retrograde -6032 Mar 01 j 21:23  $1^{\circ}$  My 11'01evening set -6027 Jun 13 j 10:59 19°842'38 -6032 Mar 15 j 18:43 30°RΩ -6027 Jun 28 j 20:46  $\Pi^{\circ}0$ opposition -6032 Apr 02 j 03:15 25°**Ω**47'53 2°25'31 max. Earth dist. -6027 Jul 02 j 17:40 2°**Д**36'46 2.56140 AU greatest brilliancy -6032 Apr 02 j 18:42 25°**Ω**36'52 -2.8m min. Earth dist. -6032 Apr 07 j 19:40 24°**Ω**10'58 0.40158 AU conjunction -6027 Aug 01 j 06:43 22° II 56'28 1°11'00 direct -6032 May 05 j 01:04 19°**Ω**42'11 minimum elong -6027 Aug 01 i 07:10 22°II57'14 1°11'22 desc. node -6032 May 05 j 19:40 19°**Ω**42'26 -6027 Aug 11 i 07:28 000 -6032 Jun 15 i 17:26 0° m -6027 Sep 20 i 23:56 29°526'29 morning rise -6032 Aug 07 j 15:10 0∘**⊽** -6027 Sep 21 j 18:05  $0^{\circ}\Omega$ -6032 Sep 21 j 04:22 0°M -6027 Oct 31 j 16:08 O° m -6032 Nov 03 j 14:03 0°×7 -6027 Dec 09 j 17:18 0∘Ω -6032 Dec 17 j 14:05 0°궁 -6027 Dec 26 j 21:41 13°**♀**15'43 desc node -6031 Jan 31 j 18:57 -6026 Jan 17 j 16:33 0°≈≈ oom. -6031 Mar 19 j 03:26 0°**)**€ -6026 Feb 26 j 13:12 0°×7 -6026 Apr 09 j 14:16 -6031 Mar 27 j 22:19 0°궁 5°**)**37'37 evening set -6026 May 26 j 07:55 -6031 Mar 30 j 21:53 7°**₩**32'01 0°22 asc. node 0°) -6031 May 05 j 03:05  $0^{\circ}\Upsilon$ -6026 Aug 02 j 13:50 4°**Υ**34'40 -6031 May 12 j 07:20 -6026 Aug 19 j 16:24 max. Earth dist. 2.66951 AU retrograde 1°\ 50'56 -6026 Sep 04 j 23:25 30°₹≈ -6031 May 14 j 20:20 6°Υ11'59 0°24'49 -6026 Sep 24 j 12:23 conjunction min. Earth dist. 23°≈31'16 0.62449 AU -6031 May 14 j 19:28 6°Υ10'35 0°24'49 minimum elong opposition -6026 Sep 28 j 13:28 21°≈54'10 -2°05'07 -6031 Jun 21 j 00:08  $0^{\circ}$ 8 greatest brilliancy -6026 Sep 28 j 07:00 22°**≈**00'39 -1.6m morning rise -6031 Jun 29 j 16:29 5°835'51 direct -6026 Nov 05 j 18:08 12°≈54'33 -6031 Aug 06 j 04:08  $0^{\circ}II$ asc. node -6026 Nov 20 j 20:50 14°≈15'28 -6031 Sep 20 j 09:24 0ಂತಾ -6025 Jan 06 j 19:34 0°**)**€ -6031 Nov 03 j 19:06  $0^{\circ}\Omega$ -6025 Mar 05 j 12:26  $0^{\circ}\Upsilon$ -6031 Dec 17 j 20:26 -6025 Apr 24 j 15:35  $0^{\circ}$ 8 0° m -6030 Jan 31 j 15:33 -6025 Jun 10 j 00:18  $0^{\circ}\Pi$ 0∘**⊽** -6030 Mar 22 j 08:52 -6025 Jul 23 j 10:39 0ಂತಾ desc. node -6030 Mar 23 j 22:07  $0^{\circ}M_{\bullet}48'48$ evening set -6025 Jul 28 i 10:53 3°534'41 retrograde -6030 May 18 i 07:57 17°ML49'02 max. Earth dist. -6025 Aug 13 i 23:40 15°533'13 2.44332 AU min. Earth dist. -6030 Jun 14 j 01:20 13°M17'33 0.40401 AU -6025 Sep 02 j 12:02  $0^{\circ}\Omega$ greatest brilliancy -6030 Jun 19 i 05:17 11°M45'18 -2.7m -6030 Jun 20 j 12:25 11°M21'54 -5°34'49 -6025 Sep 21 j 05:47 14°Ω09'14 0°37'07 opposition conjunction -6030 Jul 21 j 03:59 5°M51'14 -6025 Sep 21 j 08:02 14°Ω13'30 0°37'23 direct minimum elong -6030 Oct 01 j 12:17 0°×7 -6025 Oct 11 j 20:52 O° m -6030 Nov 22 j 15:46 0°궁 desc. node -6025 Nov 13 j 16:42 25° m 34'53 -6029 Jan 10 j 12:45 0°22 -6025 Nov 19 j 08:07 0∘∙თ -6029 Feb 15 j 18:54 22°≈31'08 morning rise -6025 Nov 21 j 13:01 1°**£**43'37 asc. node -6029 Feb 27 j 19:05 0°**∀** -6025 Dec 27 j 18:15 0°M  $0^{\circ}\Upsilon$ -6029 Apr 16 j 16:24 -6024 Feb 05 j 00:20 0°×7 12°Y10'08 0°る evening set -6029 May 05 j 21:33 -6024 Mar 16 j 23:29 0°8 -6024 Apr 29 j 15:11 0°≈ -6029 Jun 02 j 17:10 -6029 Jun 05 j 19:01 -6024 Jun 16 j 17:48 0°\ max. Earth dist. 1°**8**59'26 2.64096 AU  $0^{\circ}\Upsilon$ -6024 Aug 17 j 05:51 conjunction -6029 Jun 21 j 21:35 12°**8**29'05 1°00'17 -6024 Sep 22 j 21:47 7°**Y**12'29 retrograde minimum elong -6029 Jun 21 j 20:19 12°**8**27'00 1°00'31 asc. node -6024 Oct 08 j 00:45 5°**Y**41'13 -6029 Jul 18 j 08:23  $0^{\circ}II$ -6024 Oct 26 j 11:39 30°**₹** morning rise -6029 Aug 07 j 03:37 13°**Ⅲ**22'07 opposition -6024 Nov 01 j 20:05 27°**∺**28'53 0°56'00 -6029 Aug 31 j 07:29 0ಂತಾ -6024 Nov 01 j 19:20 27°**¥**29'39 greatest brilliancy -1.4m

min. Earth dist.

-6024 Nov 01 j 12:25

27°**¥**36'35 0.66830 AU

-6029 Oct 12 j 15:58

 $0^{\circ}\Omega$ 

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:23, page 38 Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style.

Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style.							
direct	-6024 Dec 12 j 03:59	17° <b>)</b> 44′21		conjunction	-6018 Mar 20 j 14:21	13° <b>≈</b> 30'39	-0°38'47
	-6023 Feb 01 j 01:55	$0^{\circ}$ $\Upsilon$		minimum elong	-6018 Mar 20 j 15:55	13° <b>≈</b> 33'15	0°39'03
	-6023 Apr 01 j 05:12	$9^{\circ}$ 8		max. Earth dist.	-6018 Apr 09 j 02:44	26° <b>≈</b> 20'58	2.61933 AU
	-6023 May 19 j 20:25	$\Pi$ $^{\circ}0$			-6018 Apr 14 j 17:06	0° <b>)</b>	
	-6023 Jul 02 j 22:52	$0$ $\circ$ $\odot$		morning rise	-6018 May 09 j 17:47	16° <b>米</b> 09'35	
	-6023 Aug 13 j 02:00	$0$ $\circ$ $\Omega$		asc. node	-6018 May 30 j 20:21	29° <b>∺</b> 37'21	
_	-6023 Sep 21 j 07:01	0° <b>m</b> )			-6018 May 31 j 10:37	0° <b>Υ</b>	
evening set	-6023 Sep 22 j 09:45	0° <b>m</b> 51'59			-6018 Jul 18 j 03:47	0° <b>8</b>	
desc. node	-6023 Sep 30 j 12:16	7° Mp 11'17			-6018 Sep 04 j 22:28	0°II	
	-6023 Oct 29 j 13:16	0∘ <b>⊽</b>			-6018 Oct 26 j 07:09	0° <b>©</b>	
conjunction	-6023 Nov 25 j 04:49	20° <b>£</b> 56'19	0°20'01	retrograde	-6018 Dec 28 j 23:12 -6017 Feb 02 j 05:57	0° <b>Ω</b> 6° <b>Ω</b> 35'20	
minimum elong	-6023 Nov 25 j 01:40	20° <b>⊆</b> 50'19		opposition	-6017 Mar 07 j 02:15	0° <b>Ω</b> 25'50	1036117
minimum clong	-6023 Dec 06 j 19:25	0°ML	0 39 04	opposition	-6017 Mar 07 j 02:13	30°RS	4 30 17
max. Earth dist.	-6022 Jan 04 j 15:28		2.39500 AU	greatest brilliancy	-6017 Mar 08 j 13:02	29°958'03	-2 4m
max. Earth dist.	-6022 Jan 14 j 22:42	0° <b>₹</b>	2.57500 110	min. Earth dist.	-6017 Mar 15 j 02:42	27°953'23	0.44476 AU
morning rise	-6022 Jan 30 j 21:11	11° <b>∡</b> 753'49		direct	-6017 Apr 11 j 21:07	23°900'33	
Č	-6022 Feb 24 j 17:16	0°ರ			-6017 May 15 j 11:47	$0^{\circ}\Omega$	
	-6022 Apr 08 j 17:12	0° <b>≈</b>		desc. node	-6017 May 23 j 12:03	3° <b>Ω</b> 19'19	
	-6022 May 24 j 11:10	0° <b>)</b> €			-6017 Jul 09 j 17:50	0° <b>m</b> )	
	-6022 Jul 13 j 02:00	$0^{\circ}$ $\Upsilon$			-6017 Aug 22 j 08:34	0∘ <b>亚</b>	
asc. node	-6022 Aug 26 j 02:30	23° <b>Y</b> 07'56			-6017 Oct 02 j 22:57	$0^{\circ}$ M	
	-6022 Sep 10 j 21:04	$9^{\circ}$ 8			-6017 Nov 13 j 17:53	0° <b>∡</b> ¹	
retrograde	-6022 Oct 28 j 13:54	11° <b>8</b> 05'28			-6017 Dec 26 j 17:04	0°ಕ	
opposition	-6022 Dec 06 j 11:07	2° <b>8</b> 01'09			-6016 Feb 09 j 05:25	0° <b>≈</b>	
greatest brilliancy	-6022 Dec 06 j 19:25	1° <b>8</b> 52'59		evening set	-6016 Mar 12 j 00:28	20°≈50'41	
min. Earth dist.	-6022 Dec 09 j 21:56		0.64986 AU		-6016 Mar 26 j 03:53	0° <b>)</b> {	
11	-6022 Dec 11 j 14:41	30° <b>₹</b> Υ		asc. node	-6016 Apr 16 j 14:42	13° <b>)</b> 47′24	
direct	-6021 Jan 16 j 15:10	22° <b>Y</b> 00'30			(01( A 20:22.50	2201/10140	0007124
	-6021 Feb 24 j 17:01	0°Ⅱ 0°8		conjunction	-6016 Apr 29 j 22:58 -6016 Apr 29 j 22:41	22° <b>)</b> 19'48 22° <b>)</b> 19'21	0°07'34 0°07'28
	-6021 Apr 25 j 21:48 -6021 Jun 11 j 13:42	0°©		minimum elong behind sun begin	-6016 Apr 29 j 05:03	22 <b>X</b> 1921 21° <b>X</b> 51'12	0 07 28
	-6021 Jul 23 j 13:28	0°€		behind sun end	-6016 Apr 30 j 16:19	22°\(\frac{1}{47}\)'30	
desc. node	-6021 Aug 18 j 09:55	19° <b>Ω</b> 28′23		max. Earth dist.	-6016 May 03 j 01:20		2.66599 AU
desc. node	-6021 Sep 01 j 02:23	0° m)		max. Earth dist.	-6016 May 11 j 23:15	0° <b>Υ</b>	2.00377110
	-6021 Oct 09 j 12:54	0∘ <u>⊽</u>		morning rise	-6016 Jun 15 j 10:08	21° <b>Y</b> ′59'36	
	-6021 Nov 16 j 23:11	0° <b>M</b> .		Ü	-6016 Jun 27 j 22:25	0°B	
evening set	-6021 Nov 29 j 04:34	9°ML25'27			-6016 Aug 13 j 12:48	$\Pi^{\circ}0$	
	-6021 Dec 26 j 07:33	0° <b>∡</b> ¹			-6016 Sep 28 j 15:36	$0$ $\circ$ $\odot$	
					-6016 Nov 13 j 15:59	$0^{\circ}\Omega$	
conjunction	-6020 Jan 29 j 20:28	25° <b>₹</b> 22'42	-1°08'55		-6016 Dec 30 j 15:57	0° <b>m</b>	
minimum elong	-6020 Jan 29 j 21:08		1°09'17		-6015 Feb 20 j 17:23	0∘ <b>⊽</b>	
	-6020 Feb 05 j 07:01	0°₹		desc. node	-6015 Apr 09 j 15:47	16° <b>≏</b> 52'45	
max. Earth dist.	-6020 Mar 08 j 15:02		2.52120 AU	retrograde	-6015 Apr 19 j 22:47	17° <b>2</b> 34'00	0.05050 444
	-6020 Mar 19 j 07:41	0° <b>≈</b>		min. Earth dist.	-6015 May 18 j 18:30		0.37953 AU
morning rise	-6020 Mar 27 j 10:38	5°≈29'53		opposition	-6015 May 21 j 01:12	12° <b>2</b> 14'57	
	-6020 May 03 j 12:24 -6020 Jun 19 j 20:46	0° <b>∀</b> 0° <b>Υ</b>		greatest brilliancy direct	-6015 May 20 j 16:39 -6015 Jun 19 j 23:48	12° <b>Ω</b> 20'43 7° <b>Ω</b> 13'24	-2.9111
asc. node	-6020 Jul 13 j 00:18	14° <b>Y</b> ′08′07		direct	-6015 Aug 27 j 07:19	0°M 0°M	
use. Houe	-6020 Aug 08 j 21:23	0°8			-6015 Oct 16 j 20:15	0° <b>∡</b> 7	
	-6020 Oct 04 j 09:25	0°II			-6015 Dec 02 j 23:31	0°ਤ	
retrograde	-6020 Dec 08 j 00:45	18° <b>Ⅲ</b> 20'30			-6014 Jan 18 j 21:14	0° <b>≈</b>	
opposition	-6019 Jan 13 j 16:16	10° <b>Ⅲ</b> 22'38	5°21'41	asc. node	-6014 Mar 04 j 09:53	28° <b>≈</b> 14'23	
greatest brilliancy	-6019 Jan 14 j 22:03	9° <b>Ⅱ</b> 54'55	-1.7m		-6014 Mar 07 j 04:43	0° <b>∀</b>	
min. Earth dist.	-6019 Jan 20 j 17:54	7° <b>Ⅱ</b> 45'03	0.56951 AU	evening set	-6014 Apr 20 j 23:05	28° <b>¥</b> 18′12	
direct	-6019 Feb 22 j 21:06	0° <b>耳</b> 50′01			-6014 Apr 23 j 15:18	$0$ ° $\Upsilon$	
	-6019 May 13 j 18:35	0ංම		max. Earth dist.	-6014 May 27 j 04:13	21° <b>Y</b> 23'11	2.65844 AU
_	-6019 Jun 28 j 17:59	$0$ $\circ$ $\Omega$		_			
desc. node	-6019 Jul 05 j 09:14	4° <b>Ω</b> 41'43		conjunction	-6014 Jun 07 j 00:52	28° <b>Y</b> 22'36	0°48'38
	-6019 Aug 08 j 19:57	0° <b>m</b> )		minimum elong	-6014 Jun 06 j 23:32	28° <b>Y</b> 20′26	0°48'46
	-6019 Sep 17 j 03:55	0∘ <b>m</b>			-6014 Jun 09 j 13:12	0°8	
	-6019 Oct 26 j 07:18 -6019 Dec 05 j 07:33	0° <b>™</b> 0° <b>~</b>		morning rise	-6014 Jul 22 j 17:48 -6014 Jul 25 j 07:55	28° <b>႘</b> 16'44 0°Ⅱ	
	-6018 Jan 15 j 21:41	0° <b>ਠ</b>			-6014 Jul 23 j 07:33	0ಂಣ ೧.π	
evening set	-6018 Jan 25 j 21:54	0 0 7° <b>ठ</b> 01'32			-6014 Oct 20 j 15:14	0°€ 0°€	
	-6018 Feb 28 j 09:30	0°≈			-6014 Dec 01 j 12:27	0° m/y	
	22 _2, 00.30				-6013 Jan 11 j 21:21	0∘ <b>⊽</b>	
					J		

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:23, Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style. -6013 Feb 22 j 20:05 0°M -6008 Jul 10 j 10:17 0ಂತಾ -6013 Feb 25 j 16:52 1°M59'57 -6008 Aug 20 j 11:50  $0^{\circ}\Omega$ desc. node -6013 Apr 09 j 05:14 0°×7 -6008 Aug 29 j 09:56 6° **Ω**43'24 evening set 28°**х** 13′34 -6013 Jun 22 j 18:31 -6008 Sep 28 j 17:36 O° m retrograde -6013 Jul 21 j 10:30 22°**∡**³39'27 -6008 Oct 14 j 07:04 min. Earth dist. 0.47469 AU max. Earth dist. 12° m/08'12 2.38091 AU -6013 Jul 27 j 22:40 -6008 Oct 17 j 06:39 greatest brilliancy 20°**х** 21'45 -2.3m desc. node 14° m 28'23 -6013 Jul 29 j 13:04 opposition 19°**∡**¹47'44 -6°00'24 -6008 Oct 29 j 00:20 direct -6013 Aug 31 j 15:00 12°**₹**56'56 conjunction 23° m 41'12 -0°08'43 -6013 Oct 30 j 12:43 0°궁 minimum elong -6008 Oct 28 j 23:33 23° Mp 39'40 0°08'38 22° m 53'34 -6013 Dec 25 j 22:29 0°≈ behind sun begin -6008 Oct 28 j 00:04 asc. node -6012 Jan 20 j 09:01 14°≈49'51 behind sun end -6008 Oct 29 j 23:01 24° m 25'47 0°**)**€ -6008 Nov 06 j 01:05 -6012 Feb 14 j 18:23 0°Ω  $0^{\circ}\Upsilon$ -6012 Apr 03 j 18:13 -6008 Dec 14 j 07:55 0°M -6012 May 21 j 04:51  $0^{\circ}$ 8 morning rise -6007 Jan 03 j 21:32 15°M53'22 evening set -6012 May 28 j 17:56 4°852'29 -6007 Jan 22 j 11:01 0°**⊼** max. Earth dist. -6012 Jun 21 j 02:07 20°**8**10'20 2.59817 AU -6007 Mar 04 j 05:30 0°정 -6012 Jul 05 j 19:27  $0^{\circ}II$ -6007 Apr 16 j 08:02 0°≈ -6007 Jun 01 j 14:41 0°) conjunction -6012 Jul 15 j 11:24 6°**耳**31'58 1°10'55 -6007 Jul 23 j 07:25  $0^{\circ}\Upsilon$ minimum elong -6012 Jul 15 j 10:55 6°**耳**31'09 1°11'15 asc. node -6007 Sep 11 j 16:51 22°Y15'22 -6012 Aug 18 j 09:51 retrograde -6007 Oct 14 j 08:35 27°**Y**58'37 morning rise -6012 Sep 01 i 19:32 10°9512'51 opposition -6007 Nov 22 i 18:45 18°**Y**'36'06 2°35'19 -6012 Sep 29 i 03:29  $0^{\circ}\Omega$ greatest brilliancy -6007 Nov 22 j 21:38 18°**Ƴ**33'15 -1.4m -6012 Nov 08 j 10:06 0° m min. Earth dist. -6007 Nov 24 i 18:17 17°**Y**48′52 0.66473 AU -6012 Dec 17 j 20:23 0∘**⊽** direct -6006 Jan 02 j 19:07 8°Y37'46 desc. node -6011 Jan 12 j 15:35 19°**£**42'06 -6006 Mar 13 j 23:40 0°8 -6011 Jan 26 j 05:10 0°M -6006 May 05 j 18:27  $0^{\circ}\Pi$ -6011 Mar 07 j 14:21 0°×7 -6006 Jun 20 j 00:49 0ಂತಾ -6011 Apr 19 j 17:46 0°る -6006 Jul 31 j 13:26  $0^{\circ}\Omega$ -6011 Jun 09 j 12:59 26°**Ω**19'07 -6006 Sep 04 j 03:30 0°≈ desc. node -6011 Aug 05 j 01:04 -6006 Sep 08 j 21:30 16°≈42'00 0° m retrograde min. Earth dist. -6011 Sep 08 j 01:35 -6006 Oct 17 j 05:00 0∘**⊽** 9°≈01'12 0.59136 AU -6011 Sep 13 j 12:37 6°≈51'53 -3°19'07 -6006 Nov 02 j 17:26 12°**£**58'47 opposition evening set -6011 Sep 12 j 22:35 -6006 Nov 24 j 12:27 greatest brilliancy 7°≈05'44 -1.7m oom. -6011 Oct 04 j 15:15 30°Ŗる -6005 Jan 02 j 17:33 0°**∡**7 -6011 Oct 20 j 13:11 28°る18'54 direct -6011 Nov 06 j 10:02 -6005 Jan 05 j 23:57 2°**₹**27'01 -1°07'05 0°≈ conjunction asc. node -6011 Dec 07 j 11:06 9°≈31'38 minimum elong -6005 Jan 05 j 22:27 2°**х** 24'13 1°07'23 -6010 Jan 19 j 20:17 0°**)**€ -6005 Feb 12 j 13:46 0°ರ -6010 Mar 14 j 04:45  $0^{\circ}\Upsilon$ max. Earth dist. -6005 Feb 20 j 18:51 5°る51'35 2.47184 AU -6010 May 02 j 04:11  $0^{\circ}$ 8 -6005 Mar 08 j 13:02 16°る56'22 morning rise -6010 Jun 17 j 04:26  $\mathbb{I}^{\circ 0}$ -6005 Mar 27 j 12:22 0°**≈** -6010 Jul 09 j 22:06 15°**Ⅲ**30′16 -6005 May 11 j 19:12 0°) evening set -6010 Jul 25 j 06:49 26°**I**14'46 2.49228 AU -6005 Jun 28 j 16:41  $0^{\circ}\Upsilon$ max. Earth dist. -6010 Jul 30 j 14:01 0ಂತಾ -6005 Jul 30 j 16:19 18°Y52'17 asc. node -6005 Aug 19 j 16:18 0°8 -6010 Aug 30 j 18:07 22°934'41 0°56'54 conjunction -6005 Oct 28 j 12:13  $0^{\circ}II$ -6010 Aug 30 j 20:09 minimum elong 22°538'26 0°57'14 -6005 Nov 21 j 18:40 3°**Ⅱ**15'38 retrograde -6010 Sep 09 j 18:22  $0^{\circ}\Omega$ -6005 Dec 14 i 09:11 30°R₩ -6010 Oct 19 i 07:26 0°m -6005 Dec 29 j 11:23 24°**8**47'27 4°47'46 opposition -6010 Oct 26 j 06:13 -6005 Dec 30 i 08:00 24°**8**27'42 -1.6m morning rise 5° m 21'37 greatest brilliancy -6010 Nov 26 j 22:58 0∘**⊽** min. Earth dist. -6004 Jan 04 i 04:40 22°836'08 0.60828 AU desc. node -6010 Nov 30 j 12:06 2°**£**46'01 direct -6004 Feb 08 j 08:10 14°**8**55'54 0°M  $0^{\circ}\Pi$ -6009 Jan 04 j 12:41 -6004 Apr 03 j 05:06 -6004 May 25 j 21:45 -6009 Feb 12 j 22:00 0°×7 000 0°る -6009 Mar 26 j 02:39 -6004 Jul 08 j 12:39  $0^{\circ}\Omega$ -6009 May 09 j 09:44 0°& -6004 Jul 22 j 03:36 9°**£**58′27 desc. node -6009 Jun 28 j 22:58 0°**)**€ -6004 Aug 17 j 17:51 0° m -6009 Sep 10 j 10:52 24°**)** 05'31 -6004 Sep 25 j 13:55 0∘**⊽** retrograde -6009 Oct 18 j 17:34 14°**¥**55'46 0.65849 AU -6004 Nov 03 j 07:57 0°M min. Earth dist. -6009 Oct 20 j 12:05 -6004 Dec 12 j 23:38 0°**∡**7 opposition 14°**米**12'59 -0°11'43 greatest brilliancy -6009 Oct 20 j 11:55 14° **★**13'10 -1.4m evening set -6003 Jan 04 j 20:58 16°**х** 48′27 asc. node -6009 Oct 25 j 14:19 12°**米**11'19 -6003 Jan 23 j 06:02 0°궁 direct -6009 Nov 29 j 03:18 4°**)**(42'30  $0^{\circ}\Upsilon$ -6008 Feb 16 j 10:45 conjunction -6003 Mar 02 j 10:05 26°る33'16 -0°54'13 -6008 Apr 10 j 05:18 0°8 -6003 Mar 02 j 12:00 26°**る**36'31 0°54'33

minimum elong

-6003 Mar 07 j 11:44

0°**≈** 

-6008 May 27 j 16:18

 $\mathbb{I}^{\circ 0}$ 

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:23, page 40 Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style.

Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style.							
max. Earth dist.	-6003 Mar 29 j 03:32	14° <b>≈</b> 31'43	2.58669 AU		-5998 Jun 24 j 22:10	30°RM₊	
	-6003 Apr 21 j 16:25	0° <b>∀</b>		min. Earth dist.	-5998 Jun 28 j 05:18		0.42636 AU
morning rise	-6003 Apr 23 j 23:17	1° <b>¥</b> 29′13		greatest brilliancy	-5998 Jul 04 j 05:13		-2.6m
	-6003 Jun 07 j 12:51	0° <b>Υ</b>		opposition	-5998 Jul 05 j 19:31	26°M34'30	-6°07'24
asc. node	-6003 Jun 16 j 12:09	5° <b>Y</b> ′38′22		direct	-5998 Aug 06 j 05:09	20°M36'15	
	-6003 Jul 25 j 20:33	0°8			-5998 Sep 16 j 18:51	0° <b>∡</b> ¹	
	-6003 Sep 14 j 08:41	0° <b>I</b>			-5998 Nov 15 j 02:58	0°ප	
. 1	-6003 Nov 10 j 17:45	0°95		,	-5997 Jan 04 j 17:45	0° <b>≈</b>	
retrograde	-6002 Jan 08 j 19:40	15°954'34	5020125	asc. node	-5997 Feb 06 j 00:19	19° <b>≈</b> 42'27	
opposition	-6002 Feb 12 j 06:57	8°557'19			-5997 Feb 22 j 17:35	0° <b>∀</b> 0° <b>Υ</b>	
greatest brilliancy min. Earth dist.	-6002 Feb 13 j 22:29 -6002 Feb 20 j 15:56	8°\$23'08 6°\$04'14	-2.1m 0.49579 AU	evening set	-5997 Apr 11 j 22:57 -5997 May 14 j 12:36	20° <b>Υ</b> 37'24	
direct	-6002 Mar 22 j 09:17	0°925'35	0.49379 AU	evening set	-5997 May 14 j 12.30 -5997 May 29 j 02:52	0° <b>8</b>	
direct	-6002 Jun 08 j 11:20	0°Ω		max. Earth dist.	-5997 Jun 11 j 14:49		2.62770 AU
desc. node	-6002 Jun 09 j 04:27	0° <b>Ω</b> 26'15		max. Lartii dist.	-5777 Juli 11 j 14.47	0 04327	2.02770 AC
dese. Hode	-6002 Jul 23 j 05:52	0° my		conjunction	-5997 Jun 30 j 16:05	21° <b>8</b> 17'09	1°05'27
	-6002 Sep 02 j 05:16	0∘ <b>⊽</b>		minimum elong	-5997 Jun 30 j 15:00	21° <b>8</b> 15'21	1°05'43
	-6002 Oct 12 j 10:18	0°M			-5997 Jul 13 j 17:52	0°II	
	-6002 Nov 22 j 06:21	0° <b>∡</b> ¹		morning rise	-5997 Aug 16 j 11:34	22° <b>I</b> I58'55	
	-6001 Jan 03 j 12:32	ರ°0		C	-5997 Aug 26 j 13:44	0° <b>©</b>	
	-6001 Feb 16 j 12:28	0° <b>≈</b>			-5997 Oct 07 j 16:44	$0^{\circ}\Omega$	
evening set	-6001 Feb 24 j 03:56	5° <b>≈</b> 05'44			-5997 Nov 17 j 11:06	0° <b>m</b> )	
	-6001 Apr 03 j 03:08	0° <b>)</b> €			-5997 Dec 27 j 10:24	0∘ <b>亚</b>	
				desc. node	-5996 Jan 30 j 09:45	25° <b>≏</b> 31'14	
conjunction	-6001 Apr 15 j 13:58	8° <b>)</b> €03'03	-0°10'37		-5996 Feb 05 j 10:05	$0^{\circ}$ M	
minimum elong	-6001 Apr 15 j 14:24	8° <b>)</b> €03'45	0°10'47		-5996 Mar 17 j 17:30	0° <b>∡</b> ¹	
behind sun begin	-6001 Apr 14 j 23:24	7° <b>)</b> €39'36			-5996 May 02 j 04:15	0°ප	
behind sun end	-6001 Apr 16 j 05:23	8° <b>)</b> 27′54		retrograde	-5996 Jul 20 j 06:10	29° <b>る</b> 55'16	
max. Earth dist.	-6001 Apr 24 j 19:49	13° <b>¥</b> 59'52	2.65401 AU	min. Earth dist.	-5996 Aug 21 j 05:31		0.54996 AU
asc. node	-6001 May 04 j 07:21	20° <b>)</b> (04′40		greatest brilliancy	-5996 Aug 27 j 00:44	20° <b>ප්</b> 46'42	
	-6001 May 19 j 19:57	0° <b>Υ</b>		opposition	-5996 Aug 28 j 00:33	20° <b>る</b> 23'47	-4°31'33
morning rise	-6001 Jun 02 j 02:50	8° <b>Y</b> 27'57		direct	-5996 Oct 02 j 16:14	12° <b>る</b> 24'25	
	-6001 Jul 05 j 23:37	0°8			-5996 Dec 03 j 21:15	0° <b>≈</b>	
	-6001 Aug 22 j 04:34	0°II		asc. node	-5996 Dec 24 j 01:12	9° <b>≈</b> 50'46	
	-6001 Oct 08 j 14:42	0°©			-5995 Jan 30 j 04:59	0° <b>∀</b> 0° <b>Υ</b>	
	-6001 Nov 26 j 08:29	0° <b>Ω</b>			-5995 Mar 22 j 05:53	0.8 ೧.೩	
ratra ara da	-6000 Jan 19 j 17:04	0°M)		avanina aat	-5995 May 09 j 11:08	28° <b>8</b> 59'53	
retrograde opposition	-6000 Mar 19 j 14:15 -6000 Apr 19 j 04:38	17° Mp 19'09 12° Mp 12'13	0°32'40	evening set	-5995 Jun 22 j 18:25 -5995 Jun 24 j 06:12	28 <b>〇</b> 39 33	
greatest brilliancy	-6000 Apr 19 j 07:13	12° mg 10'28		max. Earth dist.	-5995 Jul 10 j 04:08		2.53811 AU
min. Earth dist.	-6000 Apr 17 j 07:13	11° mg 19'07	0.38552 AU	max. Lartii dist.	-5995 Aug 06 j 16:38	0°95	2.33011 AC
desc. node	-6000 Apr 26 j 06:55	10° mg 17'50	0.50552710		5775 Hag 00 j 10.50	٠.	
direct	-6000 May 20 j 16:33	6° m 43'47		conjunction	-5995 Aug 11 j 11:25	3°523'55	1°08'05
	-6000 Jul 27 j 02:54	0∘ <b>⊽</b>		minimum elong	-5995 Aug 11 j 12:29	3° <b>5</b> 25'48	1°08'27
	-6000 Sep 13 j 09:57	0°M			-5995 Sep 17 j 01:07	$0^{\circ}\Omega$	
	-6000 Oct 28 j 07:26	0° <b>∡</b> ¹		morning rise	-5995 Oct 02 j 23:21	11° <b>Ω</b> 53'54	
	-6000 Dec 12 j 02:49	ರ°ರ		_	-5995 Oct 26 j 19:41	0° <b>m</b> )	
	-5999 Jan 26 j 18:57	0° <b>≈</b>			-5995 Dec 04 j 16:51	0∘ <b>⊽</b>	
	-5999 Mar 14 j 10:04	0° <b>)</b> €		desc. node	-5995 Dec 17 j 06:27	9° <b>≏</b> 44'31	
asc. node	-5999 Mar 21 j 02:54	4° <b>)</b> 16′39			-5994 Jan 12 j 11:56	0° <b>M</b>	
evening set	-5999 Apr 05 j 19:16	14° <b>光</b> 15′56			-5994 Feb 21 j 03:04	0° <b>∡</b> ¹	
	-5999 Apr 30 j 12:41	0° <b>Υ</b>			-5994 Apr 03 j 17:53	0°ಕ	
max. Earth dist.	-5999 May 17 j 17:52	10° <b>Y</b> ′58′35	2.66779 AU		-5994 May 19 j 05:26	0° <b>≈</b>	
		••			-5994 Jul 14 j 14:55	0° <b>∺</b>	
conjunction	-5999 May 23 j 07:48	14° <b>Υ</b> 32'35	0°34'11	retrograde	-5994 Aug 27 j 18:46	10° <b>)</b> € 26'57	0.60000
minimum elong	-5999 May 23 j 06:41	14° <b>Ƴ</b> 30'48	0°34'14	min. Earth dist.	-5994 Oct 03 j 12:51		0.63925 AU
	-5999 Jun 16 j 09:38	0°8		opposition	-5994 Oct 06 j 18:13	0°¥30'09	
morning rise	-5999 Jul 07 j 23:53	13° <b>႘</b> 59′27 0°Ⅱ		greatest brilliancy	-5994 Oct 06 j 14:51	0° <b>)</b> 33'32	-1.5m
	-5999 Aug 01 j 10:01 -5999 Sep 15 j 06:58	0ಂಣ ೧ <u>.</u> π		asc. node	-5994 Oct 08 j 00:17 -5994 Nov 11 j 04:16	30°R≈ 21°≈22'28	
	-5999 Sep 15 J 06:38 -5999 Oct 29 J 02:30	0°€ 0-3		direct	-5994 Nov 11 j 04:16	21°≈22′28 21°≈18'12	
	-5999 Oct 29 J 02.30 -5999 Dec 11 j 04:45	0° <b>m</b> )		direct	-5994 Nov 14 j 12.16 -5994 Dec 26 j 06:05	21 <b>≈</b> 1812 0° <b>∺</b>	
	-5998 Jan 23 j 07:40	0∘ <b>ت</b> س			-5993 Feb 27 j 07:14	0° <b>Υ</b>	
	-5998 Mar 09 j 11:48	0°M			-5993 Apr 19 j 11:29	0°8	
desc. node	-5998 Mar 14 j 10:17	3°M03'45			-5993 Jun 05 j 05:05	0°II	
	-5998 May 08 j 07:26	0° <b>∡</b> 7			-5993 Jul 18 j 18:26	0°©	
retrograde	-5998 Jun 01 j 04:18	3° <b>∡</b> '47'50		evening set	-5993 Aug 08 j 17:07	15°906'06	
-	v			~			

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:23, Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style. 11°Y22'53 -5993 Aug 28 j 20:19  $0^{\circ}\Omega$ asc. node -5988 Jul 03 i 05:31 -5993 Aug 29 j 03:04 -5988 Aug 03 j 01:51 0°8 max. Earth dist. 0°**Ω**12'39 2.41722 AU -5988 Sep 25 j 12:55  $0^{\circ}\Pi$ -5993 Oct 04 j 11:21 27°Ω54'40 0°22'12 -5988 Dec 18 j 18:42 28°**Ⅲ**02′26 conjunction retrograde -5993 Oct 04 j 13:00 27°**Ω**57'52 0°22'24 -5987 Jan 23 j 17:25 20°**Ⅲ**24′00 minimum elong opposition 5°32'16 -5993 Oct 07 j 04:06 -5987 Jan 25 j 03:54 0° m greatest brilliancy 19°**Ⅲ**52'32 -1.9m -5987 Jan 31 j 09:44 desc. node -5993 Nov 04 j 03:08 21° Mp 48'40 min. Earth dist. 17°**Ⅲ**36′13 0.54501 AU -5993 Nov 14 j 13:39 0∘ଫ direct -5987 Mar 04 j 08:26 11°**Ⅲ**07'30 morning rise -5993 Dec 07 j 08:29 17°**£**51'59 -5987 May 04 j 02:05 0°9 -5993 Dec 22 j 21:55 0°M -5987 Jun 21 j 23:15 0° $\Omega$ -5992 Jan 31 j 01:48 0°**∡**¹ desc. node -5987 Jun 25 j 20:58 2°**Ω**40'19 0°₹ -5992 Mar 11 j 21:39 -5987 Aug 02 j 22:03 0° m -5987 Sep 11 j 16:05 -5992 Apr 24 j 06:04 0°≈ 0°Ω -5992 Jun 10 j 10:29 0°**)**€ -5987 Oct 21 j 02:12 0°M -5992 Aug 05 j 07:31  $0^{\circ}\Upsilon$ -5987 Nov 30 j 07:33 0°**⊼** asc. node -5992 Sep 28 j 07:00 15°**Y**03'24 -5986 Jan 11 j 01:45 0°정 retrograde -5992 Sep 30 j 16:36 15°**Y**05'35 evening set -5986 Feb 05 j 23:46 17°る58'50 opposition -5992 Nov 09 j 11:39 5°**Υ**28'34 1°33'48 -5986 Feb 23 j 16:39 0°≈ greatest brilliancy -5992 Nov 09 j 11:27 5°**Y**28'46 -1.4m min. Earth dist. -5992 Nov 09 j 23:51 5°**Y**16′21 0.66980 AU conjunction -5986 Mar 30 j 08:38 23°≈00'33 -0°28'45 -5992 Nov 24 j 01:27 30°**₹** minimum elong -5986 Mar 30 j 09:50 23°≈02'30 0°28'59 direct -5992 Dec 20 i 02:37 25° ¥ 37'51 -5986 Apr 10 j 01:44 0°**∀** -5991 Jan 17 j 12:59  $0^{\circ}\Upsilon$ max. Earth dist. -5986 Apr 15 j 02:02 3°**升**15'18 2.63399 AU -5991 Mar 25 i 17:23 0°8 -5986 May 18 j 10:22 24° + 41'51 morning rise -5991 May 14 j 12:12  $\mathbb{I}^{\circ 0}$ asc. node -5986 May 21 j 01:04 26° #21'52 -5991 Jun 27 j 23:41 0ಂತಾ -5986 May 26 j 18:01  $0^{\circ}\Upsilon$ -5991 Aug 08 j 06:25  $0^{\circ}\Omega$ -5986 Jul 13 j 05:01 0°8 -5991 Sep 16 j 12:40 0°m -5986 Aug 30 j 06:54  $0^{\circ}\Pi$ -5991 Sep 20 j 22:50 -5986 Oct 18 j 18:41 0ಂತಾ 3° Tp 26'36 desc. node -5991 Oct 06 j 21:13 15° m 54'28 -5986 Dec 12 j 09:00  $0^{\circ}\Omega$ evening set -5985 Feb 17 j 20:31 -5991 Oct 24 j 19:15 0∘ଫ 20°**£**22′19 retrograde -5991 Dec 02 j 01:27 0°M -5985 Mar 21 j 19:28 14°**Ω**39'42 3°32'52 opposition -5985 Mar 22 j 20:53 14°**Ω**20'37 -2.6m greatest brilliancy -5991 Dec 10 j 14:29 6°M37'48 -0°52'40 -5985 Mar 28 j 20:51 12°**Ω**33'28 0.41925 AU conjunction min. Earth dist. -5991 Dec 10 j 11:11 -5985 Apr 25 j 00:44 7°**Ω**58'29 minimum elong 6°M31'25 0°52'49 direct -5990 Jan 10 j 04:30 10°**Ω**19'40 0° **₹** desc. node -5985 May 13 j 23:26 12°**∡**′49'02 2.42013 AU max. Earth dist. -5990 Jan 27 j 08:41 -5985 Jun 28 j 11:50 0° M -5990 Feb 13 j 22:11 25°**х** 40′05 -5985 Aug 14 j 14:18 0∘**⊽** morning rise -5990 Feb 19 j 22:22 0°ರ -5985 Sep 26 j 12:57 0°M -5990 Apr 03 j 20:14 0°**≈** -5985 Nov 08 j 02:09 0°**⊼** -5990 May 19 j 07:48 0°**)**€ -5985 Dec 21 j 12:56 0°ರ -5990 Jul 07 j 02:20  $0^{\circ}\Upsilon$ -5984 Feb 04 j 08:53 0°**≈** -5990 Aug 16 j 07:25 22° Y 21'48 -5984 Mar 21 j 05:19 29°≈49'22 asc. node evening set -5990 Aug 31 j 16:21  $0^{\circ}$ 8 -5984 Mar 21 j 11:56 0°) -5990 Nov 06 j 02:09 19°8 15'28 -5984 Apr 06 j 19:46 10°**)** 28'47 retrograde asc. node  $0^{\circ}\Upsilon$ opposition -5990 Dec 14 j 14:29 10°**8**22'47 4°02'14 -5984 May 07 i 09:09 -5990 Dec 15 i 02:48 greatest brilliancy 10°**8**10'46 -1.5m 0°Y44'28 0°17'43 min. Earth dist. -5990 Dec 18 j 21:14 8°842'35 0.63768 AU conjunction -5984 May 08 j 13:02 direct -5989 Jan 24 j 17:52 0°823'03 minimum elong -5984 May 08 j 12:23 0°**Υ**43'26 0°17'41 -5989 Apr 18 j 17:17  $0^{\circ}II$ max. Earth dist. -5984 May 08 i 11:19 0°Υ41'43 2.66895 AU -5989 Jun 05 j 19:55 0ಂತಾ -5984 Jun 23 j 14:36 0°811'57 morning rise -5989 Jul 18 j 07:07  $0^{\circ}\Omega$ -5984 Jun 23 j 07:10 0°8 desc. node -5989 Aug 08 j 20:20 16°**Ω**05'47 -5984 Aug 08 j 15:46  $0^{\circ}\Pi$ -5989 Aug 27 j 00:57 -5984 Sep 23 j 06:04 0° m 000 -5989 Oct 04 j 14:12 0∘<del></del>∇ -5984 Nov 07 j 07:05  $0^{\circ}\Omega$ -5989 Nov 12 j 02:37 -5984 Dec 22 j 09:25 0°M 0° m -5989 Dec 13 j 10:28 23°M55'31 -5983 Feb 07 j 06:25 0∘ಹ evening set -5989 Dec 21 j 12:42 0° ×7 -5983 Mar 31 j 01:44 27°**₽**18'23 desc. node -5988 Jan 31 j 13:35 0°궁 -5983 Apr 07 j 08:44 0°M -5983 May 06 j 14:17 retrograde 5°M18'56 -5988 Feb 11 j 06:32 -5983 Jun 02 j 18:21 conjunction 7°る35'53 -1°05'30 min. Earth dist. 0°**M**⋅50'18 0.38991 AU minimum elong -5988 Feb 11 j 07:59 7°る38'27 1°05'52 -5983 Jun 05 j 17:47 30°R<u>₽</u> -5988 Mar 14 j 14:53 0°≈ opposition -5983 Jun 07 j 16:15 29°**2**27'02 -4°45'48 max. Earth dist. -5988 Mar 16 j 15:02 1°≈21'48 2.54632 AU greatest brilliancy -5983 Jun 06 j 18:24 29°**₽**42'32 -2.8m morning rise -5988 Apr 06 j 21:22 15°≈38'01 direct -5983 Jul 07 j 19:53 24° £ 14'26 -5988 Apr 28 j 18:10 0°**)**€ -5983 Aug 08 j 02:20 0°M

-5983 Oct 08 j 05:22

0°**∡**7

-5988 Jun 14 j 20:16

 $0^{\circ}\Upsilon$ 

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:23, page 42

-	nical year style is used: Th		•	· · ·		, ,	6 42
Attention, astronom	-5983 Nov 26 j 15:22	16 year -0396 1 0°る	ii astronomicai coi	morning rise	-5978 Nov 09 j 17:44	20° <b>m</b> 19'08	
	-5982 Jan 13 j 12:33	0°≈		desc. node	-5978 Nov 20 j 21:35	20° m) 02'21	
	•			desc. node	•	-	
asc. node	-5982 Feb 22 j 16:07	25°≈12'08			-5978 Nov 22 j 03:05	0∘ <b>m</b>	
	-5982 Mar 02 j 07:40	0° <b>∀</b> 0° <b>Υ</b>			-5978 Dec 30 j 14:31	0°M	
	-5982 Apr 18 j 23:54				-5977 Feb 07 j 21:08	0° <b>∡</b> 7	
evening set	-5982 Apr 29 j 12:55	6° <b>Y</b> 40'33	2 (4007 411		-5977 Mar 20 j 20:55	0°ප	
max. Earth dist.	-5982 Jun 01 j 18:32	27° <b>Y</b> 55'16	2.64987 AU		-5977 May 03 j 16:23	0° <b>≈</b>	
	-5982 Jun 04 j 23:50	0°8			-5977 Jun 21 j 11:44	0° <b>ℋ</b> 0° <b>Ƴ</b>	
	5000 I 15:10 00	co <b>U</b> 4011.5	0055146		-5977 Aug 30 j 09:27	0°Υ 2° <b>Υ</b> 07'06	
conjunction	-5982 Jun 15 j 12:23	6° <b>8</b> 49'15		retrograde	-5977 Sep 18 j 05:54		
minimum elong	-5982 Jun 15 j 11:03	6° <b>8</b> 47'05	0°55'5/	1	-5977 Oct 05 j 23:53	30° <b>₹</b> ₩	
	-5982 Jul 20 j 17:16	0°Ⅱ 7°Ⅱ 11122		asc. node	-5977 Oct 15 j 20:41	27° <b>)</b> (04'05	0.66507.411
morning rise	-5982 Jul 31 j 10:46	7° <b>Ⅱ</b> 11'22		min. Earth dist.	-5977 Oct 27 j 06:23	22° <b>)</b> (42'19	0.66507 AU
	-5982 Sep 02 j 21:03	0° <b>©</b>		opposition	-5977 Oct 28 j 05:26	22° <b>)</b> €19'08	0°28'13
	-5982 Oct 15 j 12:21	0° <b>N</b>		greatest brilliancy	-5977 Oct 28 j 04:50	22° <b>)</b> (19'45	-1.4m
	-5982 Nov 25 j 22:32	0° <b>m</b> )		direct	-5977 Dec 07 j 05:55	12° <b>)</b> (40′19	
	-5981 Jan 05 j 16:26	0∘ <b>⊽</b>			-5976 Feb 07 j 22:20	0° <b>Υ</b>	
	-5981 Feb 15 j 16:20	0°M			-5976 Apr 04 j 10:50	0° <b>8</b>	
desc. node	-5981 Feb 16 j 04:03	0° <b>M</b> 21'07			-5976 May 22 j 14:50	0°II	
	-5981 Mar 30 j 20:00	0° <b>∡</b> ¹			-5976 Jul 05 j 14:55	0°99	
	-5981 May 22 j 03:43	0°ਰ			-5976 Aug 15 j 18:30	$0$ ° $\Omega$	
retrograde	-5981 Jul 03 j 19:12	10° <b>ප</b> 52'18		evening set	-5976 Sep 11 j 16:11	20° <b>Ω</b> 27'01	
min. Earth dist.	-5981 Aug 02 j 14:21		0.50247 AU		-5976 Sep 24 j 00:28	0° <b>m</b>	
greatest brilliancy	-5981 Aug 09 j 00:35	2° <b>る</b> 27'56		desc. node	-5976 Oct 07 j 17:05	10° <b>m</b> ) 40'55	
opposition	-5981 Aug 10 j 10:37	1°る56'37	-5°34'44		-5976 Nov 01 j 07:15	0∘ <b>⊽</b>	
	-5981 Aug 15 j 21:14	30°R <b>∡</b> 7				_	
direct	-5981 Sep 13 j 12:33	24° <b>∡</b> ³38'53		conjunction	-5976 Nov 13 j 05:30	9° <b>ഫ</b> 23'02	
	-5981 Oct 14 j 09:19	0°ಕ		minimum elong	-5976 Nov 13 j 03:09	9° <b>≏</b> 18'26	
	-5981 Dec 18 j 18:53	0° <b>≈</b>		max. Earth dist.	-5976 Dec 04 j 22:30		2.38043 AU
asc. node	-5980 Jan 10 j 15:14	12° <b>≈</b> 45'45			-5976 Dec 09 j 13:17	0°M	
	-5980 Feb 09 j 05:52	0° <b>∀</b>			-5975 Jan 17 j 15:34	0° <b>∡</b> 7	
	-5980 Mar 29 j 20:24	0° <b>Υ</b>		morning rise	-5975 Jan 19 j 10:34	1° <b>∡</b> ′21′01	
	-5980 May 16 j 13:13	0° <b>8</b>			-5975 Feb 27 j 08:38	0°ಕ	
evening set	-5980 Jun 06 j 15:54	13° <b>8</b> 41'31			-5975 Apr 11 j 07:58	0° <b>≈</b>	
max. Earth dist.	-5980 Jun 27 j 17:35	27° <b>8</b> 39'09	2.57878 AU		-5975 May 27 j 04:41	0° <b>)</b> €	
	-5980 Jul 01 j 05:33	$\Pi$ $\circ$ 0			-5975 Jul 16 j 10:31	0°Υ ••••••••••••••••••••••••••••••••••••	
		—		asc. node	-5975 Sep 01 j 22:55	23° <b>Y</b> '38'24	
conjunction	-5980 Jul 24 j 21:51	16° <b>Ⅱ</b> 07'50			-5975 Sep 19 j 01:49	0°8	
minimum elong	-5980 Jul 24 j 21:52	16° <b>Ⅱ</b> 07'51	1°12'03	retrograde	-5975 Oct 22 j 11:20	5° <b>8</b> 55'18	
	-5980 Aug 13 j 18:55	0°99			-5975 Nov 22 j 00:19	30°₹ <b>Υ</b>	2000150
morning rise	-5980 Sep 12 j 10:24	21°5514'41		opposition	-5975 Nov 30 j 14:38	26° <b>Y</b> 42'33	3°08'58
	-5980 Sep 24 j 09:33	0° <b>N</b>		greatest brilliancy	-5975 Nov 30 j 20:19	26° <b>Y</b> 36'56	-1.4m
	-5980 Nov 03 j 11:58	0° <b>m</b> )		min. Earth dist.	-5975 Dec 03 j 09:54	25° <b>Y</b> 36′02	0.65771 AU
	-5980 Dec 12 j 17:06	0∘ <b>⊽</b>		direct	-5974 Jan 10 j 17:29	16° <b>Y</b> ′42'09	
desc. node	-5979 Jan 03 j 02:25	16° <b>≏</b> 26'13			-5974 Mar 04 j 06:46	0°B	
	-5979 Jan 20 j 19:58	0° <b>M</b> ₊			-5974 Apr 29 j 14:42	0°II	
	-5979 Mar 01 j 20:24	0° <b>∡</b>			-5974 Jun 14 j 16:37	0°©	
	-5979 Apr 13 j 04:58	5°0			-5974 Jul 26 j 12:35	0°N	
	-5979 May 31 j 01:24	0° <b>≈</b>		desc. node	-5974 Aug 25 j 14:22	22° <b>Ω</b> 44'43	
retrograde	-5979 Aug 13 j 14:42	25°≈58'30	0.61050.477		-5974 Sep 04 j 00:02	0° my	
min. Earth dist.	-5979 Sep 17 j 15:28	17°≈55'11	0.61070 AU		-5974 Oct 12 j 09:11	0∘ <b>⊽</b>	
opposition	-5979 Sep 22 j 07:34	16°≈03'31		evening set	-5974 Nov 17 j 19:08	28° <b>≏</b> 29'33	
greatest brilliancy	-5979 Sep 21 j 22:09	16°≈12'55	-1.6m		-5974 Nov 19 j 17:45	0° <b>™</b>	
direct	-5979 Oct 29 j 23:51	7°≈15'00			-5974 Dec 28 j 23:39	0° <b>∡</b> ¹	
asc. node	-5979 Nov 27 j 17:15	11°≈44'58			5050 X 10:10 10	100 310110	100010
	-5978 Jan 11 j 23:09	0° <b>)</b> €		conjunction	-5973 Jan 19 j 19:40	16° <b>₹</b> 12'18	
	-5978 Mar 08 j 13:40	0° <b>Υ</b>		minimum elong	-5973 Jan 19 j 19:31	16° <b>∡</b> 12'01	1~09'48
	-5978 Apr 27 j 05:23	0° <b>8</b>		F d V :	-5973 Feb 07 j 20:14	0°る	2 40055 111
				max. Earth dist.	-5973 Mar 02 j 21:09	10-01/28	2.49955 AU
ovor: /	-5978 Jun 12 j 11:37	0°Ⅱ 25°Ⅲ50!22			5072 M 20 : 02 42		
evening set	-5978 Jun 12 j 11:37 -5978 Jul 20 j 06:23	25° <b>Ⅱ</b> 58'32		morning rise	-5973 Mar 20 j 03:42	28° <b>ප</b> 12'50	
-	-5978 Jun 12 j 11:37 -5978 Jul 20 j 06:23 -5978 Jul 25 j 22:48	25° <b>∏</b> 58'32 0° <b>©</b>	2.46522.441	morning rise	-5973 Mar 22 j 18:32	28° <b>ප</b> 12'50 0°≈	
evening set max. Earth dist.	-5978 Jun 12 j 11:37 -5978 Jul 20 j 06:23 -5978 Jul 25 j 22:48 -5978 Aug 04 j 17:51	25°II58'32 0°ණ 7°ණ00'11	2.46533 AU	morning rise	-5973 Mar 22 j 18:32 -5973 May 06 j 22:27	28° <b>ප</b> 12'50 0°≈ 0°¥	
-	-5978 Jun 12 j 11:37 -5978 Jul 20 j 06:23 -5978 Jul 25 j 22:48	25° <b>∏</b> 58'32 0° <b>©</b>	2.46533 AU		-5973 Mar 22 j 18:32 -5973 May 06 j 22:27 -5973 Jun 23 j 10:28	28°る12'50 0°≈ 0°升 0°Υ	
max. Earth dist.	-5978 Jun 12 j 11:37 -5978 Jul 20 j 06:23 -5978 Jul 25 j 22:48 -5978 Aug 04 j 17:51 -5978 Sep 05 j 02:30	25°∏58'32 0°© 7°©00'11 0°Ω		morning rise	-5973 Mar 22 j 18:32 -5973 May 06 j 22:27 -5973 Jun 23 j 10:28 -5973 Jul 20 j 21:27	28°♂12'50 0°≈ 0°升 0°Υ 16°Υ'34'16	
max. Earth dist.	-5978 Jun 12 j 11:37 -5978 Jul 20 j 06:23 -5978 Jul 25 j 22:48 -5978 Aug 04 j 17:51 -5978 Sep 05 j 02:30 -5978 Sep 11 j 14:54	25°II58'32 0°II 7°II00'11 0°I 4°II58'32 4°II58'32 4°II58'32	0°46'42		-5973 Mar 22 j 18:32 -5973 May 06 j 22:27 -5973 Jun 23 j 10:28 -5973 Jul 20 j 21:27 -5973 Aug 13 j 02:33	28°₹12'50 0°≈ 0°¥ 0°Y 16°Y34'16 0°8	
max. Earth dist.	-5978 Jun 12 j 11:37 -5978 Jul 20 j 06:23 -5978 Jul 25 j 22:48 -5978 Aug 04 j 17:51 -5978 Sep 05 j 02:30	25°∏58'32 0°© 7°©00'11 0°Ω			-5973 Mar 22 j 18:32 -5973 May 06 j 22:27 -5973 Jun 23 j 10:28 -5973 Jul 20 j 21:27	28°♂12'50 0°≈ 0°升 0°Υ 16°Υ'34'16	

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:23, Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style. -5972 Jan 07 j 13:41 3°II58'32 5°08'47 -5968 Dec 06 i 09:01 0°정 opposition -5972 Jan 08 j 15:30 3°**I**I34'10 -1.7m -5967 Jan 21 j 15:44 0°**≈** greatest brilliancy -5972 Jan 14 j 01:11 1°**Д**31'49 0.58782 AU -5967 Mar 09 j 14:56 0°**₩** min. Earth dist. 1°**)** 04'11 -5972 Jan 18 j 06:10 30°R₩ -5967 Mar 11 j 07:22 asc. node -5967 Apr 14 j 13:19 -5972 Feb 17 j 02:33 24°815'48 22°\ 47'34 direct evening set  $0^{\circ}\Upsilon$ -5972 Mar 19 j 16:22  $\Pi$  $^{\circ}$ 0 -5967 Apr 25 j 21:45 0ಂತಾ 17°**Y**23'46 -5972 May 18 j 17:14 max. Earth dist. -5967 May 23 j 04:46 2.66375 AU  $0^{\circ}\Omega$ -5972 Jul 02 j 13:24 22°**Y**53'32 desc. node -5972 Jul 12 j 13:11 7°**Ω**10'49 conjunction -5967 May 31 j 18:31 0°42'52  $22^{\circ}$ Y51'29-5972 Aug 12 j 06:08 0° M minimum elong -5967 May 31 j 17:14 0°42'58 -5972 Sep 20 j 08:28 0∘**⊽** -5967 Jun 11 j 19:34 0°8 -5972 Oct 29 j 07:03 0°M -5967 Jul 16 j 09:19 22°831'08 morning rise -5967 Jul 27 j 17:12 -5972 Dec 08 j 02:28 0°**∡**¹  $0^{\circ}\Pi$ evening set -5971 Jan 17 j 02:14 29°**х** 00′35 -5967 Sep 10 j 07:31 0ಂತಾ -5971 Jan 18 j 11:45 0°ರ -5967 Oct 23 j 15:33  $0^{\circ}\Omega$ -5971 Mar 02 j 19:32 0°≈ -5967 Dec 05 j 00:47 0° m -5966 Jan 16 j 01:13 0∘**⊽** conjunction -5971 Mar 12 j 23:39 6°≈51'19 -0°45'40 -5966 Feb 28 j 00:54 0°M minimum elong -5971 Mar 13 j 01:26 6°≈54'18 0°45'58 desc. node -5966 Mar 04 j 21:14 3°M15'43 max. Earth dist. -5971 Apr 04 j 14:57 21°≈53'03 2.60570 AU -5966 Apr 17 j 07:14 0°×7 -5971 Apr 17 j 00:31 0°**)**€ retrograde -5966 Jun 13 j 20:06 18°**х** 30′29 morning rise -5971 May 03 i 03:03 10°¥26'01 min. Earth dist. -5966 Jul 11 i 15:23 13°**х** 19'26 0.45235 AU -5971 Jun 02 j 18:19  $0^{\circ}$ greatest brilliancy -5966 Jul 18 i 01:52 11°**∡**′08′36 -2.4m asc. node -5971 Jun 06 i 17:55 2°Y31'15 -5966 Jul 19 i 17:53 10°**х** 34'30 -6°11'25 opposition -5971 Jul 20 j 16:42 0°8 -5966 Aug 21 j 00:47 4°**₹**06'58 direct -5971 Sep 08 j 02:20  $0^{\circ}II$ -5966 Nov 06 j 06:42 0°궁 -5971 Oct 31 j 08:17 0ಂತಾ -5966 Dec 29 j 14:05 0°≈ -5970 Jan 22 j 02:58 -5965 Jan 27 j 05:52 17°≈05'51 27°938'13 retrograde asc node -5965 Feb 17 j 12:33 0°\ -5970 Feb 24 j 17:27 21°506'39 5°06'01 opposition  $0^{\circ}\Upsilon$ -5970 Feb 26 j 07:51 -5965 Apr 07 j 04:02 greatest brilliancy 20°€34'43 -2.3m -5970 Mar 05 j 02:14 29°Υ09'57 -5965 May 23 j 05:16 min. Earth dist. 18°920'56 0.46725 AU evening set 0°8 direct -5970 Apr 02 j 14:56 13°909'02 -5965 May 24 j 12:21 -5970 May 27 j 22:08 0 $^{\circ}\Omega$ max. Earth dist. -5965 Jun 17 j 16:32 15°**8**44'00 2.61242 AU -5970 May 30 j 15:12 1°**Ω**26′23 desc. node -5970 Jul 15 j 13:18 -5965 Jul 09 j 14:46 0°II18'06 1°09'11 0° m conjunction -5970 Aug 26 j 18:08 -5965 Jul 09 j 13:59 0°II16'48 1°09'29 0∘**⊽** minimum elong  $0^{\circ}M$ -5965 Jul 09 j 03:58 -5970 Oct 06 j 15:01  $0^{\circ}\Pi$ -5970 Nov 16 j 21:58 0°**√** -5965 Aug 21 j 21:48 0ಂತಾ -5970 Dec 29 j 11:55 0°ರ morning rise -5965 Aug 26 j 03:53 2°959'19 -5969 Feb 11 j 17:32 0°**≈** -5965 Oct 02 j 20:12  $0^{\circ}\Omega$ -5969 Mar 05 j 23:06 14°≈41'09 -5965 Nov 12 j 08:25 0° m evening set -5969 Mar 29 j 11:30 0°**)**€ -5965 Dec 22 j 00:09 0∘**ত** -5964 Jan 20 j 20:05 22°**₽**38'13 desc. node -5969 Apr 24 j 11:49 16°\(\pm\)44'50 -0°00'01 -5964 Jan 30 j 14:30 0°M conjunction -5969 Apr 24 j 11:49 16°**)**44′50 0°00′08 -5964 Mar 11 j 06:56 minimum elong 0°**∡**7 -5969 Apr 23 i 16:15 behind sun begin 16°¥13'30 -5964 Apr 24 i 02:31 0°정 -5969 Apr 25 i 07:22 behind sun end 17°**¥**16′09 -5964 Jun 17 j 10:05 0°≈ asc. node -5969 Apr 24 j 12:41 16°\ 46'13 retrograde -5964 Jul 29 i 12:02 10°≈09'05 max. Earth dist. -5969 Apr 30 j 08:03 20°**)** €29'20 2.66173 AU min. Earth dist. -5964 Aug 31 i 14:59 2°≈47'34 0.57374 AU -5969 May 15 j 05:12  $0^{\circ}\Upsilon$ -5964 Sep 06 j 16:17 0°≈25'30 -3°50'27 opposition -5969 Jun 10 j 08:44 16°**Y**40′26 -5964 Sep 05 j 22:15 0°≈43'10 -1.8m morning rise greatest brilliancy -5969 Jul 01 j 06:09 0°8 -5964 Sep 07 j 18:25 30°Rる -5964 Oct 13 j 02:27 -5969 Aug 17 j 02:33  $\mathbb{I}^{\circ 0}$ direct 22°る06'30 -5969 Oct 02 j 18:02 0000 -5964 Nov 21 j 01:51 0°22 -5969 Nov 18 j 18:32  $0^{\circ}\Omega$ -5964 Dec 14 j 07:45 9°≈32'53 asc. node -5968 Jan 06 j 23:17 -5963 Jan 23 j 16:40 0° m 0°**)**€  $0^{\circ}\Upsilon$ -5968 Mar 09 j 21:19 0∘ଫ -5963 Mar 16 j 23:28 4°**£**29'01 -5963 May 04 j 15:39 0°8 retrograde -5968 Apr 06 j 08:06 -5963 Jun 19 j 14:44  $0^{\circ}\Pi$ desc. node -5968 Apr 16 j 19:23 3°**£**47'37 -5963 Jul 02 j 10:05 8°**Ⅱ**40'04 -5968 May 04 j 16:45 30°R, Mp evening set 19°**I**45'58 2.51346 AU opposition -5968 May 07 j 00:06 29° m 23'05 -1°34'17 max. Earth dist. -5963 Jul 18 j 12:26 greatest brilliancy -5968 May 06 j 23:05 29° Mp 23'46 -5963 Aug 02 j 02:00 0ಂತಾ -3.0m min. Earth dist. -5968 May 07 j 05:18 29° m 19'37 0.37817 AU direct -5968 Jun 06 j 08:57 24° m 17'09 conjunction -5963 Aug 22 j 04:44 14°526'07 1°02'41 -5968 Jul 07 j 01:15 0∘**⊽** minimum elong -5963 Aug 22 j 06:22 14°929'06 1°03'03 -5968 Sep 04 j 03:16 0°M -5963 Sep 12 j 09:08  $0^{\circ}\Omega$ 

-5963 Oct 15 j 18:13

morning rise

25°**Ω**10'40

-5968 Oct 21 j 11:08

0°×7

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:23, page 44

1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00	•	nical year style is used: Th		•	· · ·		, ,	<b>.</b> 11
desc, node         596 Dec 07 j j j 6.99         600 May 19 j j 900         0°Z         desc, 10 more part part part part part part part part			-					-1.5m
		-5963 Nov 29 j 19:25	0∘ <b>⊽</b>		min. Earth dist.	-5958 Dec 28 j 01:52	16° <b>8</b> 58'41	0.62268 AU
	desc. node	-5963 Dec 07 j 16:59	6° <b>≙</b> 08'46		direct	-5957 Feb 02 j 00:23	9° <b>8</b> 00'06	
		-5962 Jan 07 j 11:01	$0^{\circ}$ M			-5957 Apr 10 j 08:50	$\Pi^{\circ}0$	
		-5962 Feb 15 j 21:51	0° <b>∡</b>			-5957 May 30 j 18:15	$0$ $\circ$ $\odot$	
retrograde 9902 990 41727 187473		-5962 Mar 29 j 04:44	ರ∘ರ			-5957 Jul 12 j 20:54	$0^{\circ}\Omega$	
retrogated		-5962 May 12 j 19:49			desc. node	-5957 Jul 30 j 07:38	12° <b>Ω</b> 53'11	
man Earth diast		-5962 Jul 03 j 22:37				0 3		
opposition         9902 Cot I 4 j1750         8*Y5228 0*4105         evening set         5997 Dec 2 f1 j0700         "P************************************	retrograde					-5957 Sep 29 j 14:11		
greates frillingey   990 (1 4 j i j 64)   874579   1.5m   evening set   .99710e 27 j 0.09   7.29799   3e. node   .9962 Nov   1 j 0.347   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784   39784	min. Earth dist.	-5962 Oct 12 j 07:59						
ase node         590 Now 1 j 10555         2*H21YS         4996 Fab         25 j 1955         0°T         VII 10 J 10		-				-		
1992   1993   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998   1998		•		-1.5m	evening set			
direct         5902 Now 22 j 2331         99%2979         conjunction         5956 Feb 23 j 0031         0°500 No         10°500 No         0°500 No <th< td=""><td>asc. node</td><td>•</td><td>2°<b>)</b> ₹31'55</td><td></td><td></td><td>-5956 Jan 26 j 19:35</td><td>0°₹</td><td></td></th<>	asc. node	•	2° <b>)</b> ₹31'55			-5956 Jan 26 j 19:35	0°₹	
1906   1907   1908   1908   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909   1909		3					_	
1996   Feb 20 j 1228   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972   1972	direct	•			-			
2.506   Apr 14 j 0310   0°E   moming rise   2.595 Apr 12 j 10025   2.596 TAU   2.509 TA		-			minimum elong			1°00'00
\$\color    constraint   color \text{   col		3				•		
						~		2.56957 AU
Seed					morning rise			
max. Earth dist.		•						
max. Earth dist         .5961 Sq. 18, 13,53         19/4,1735         2.941 AU         .5956 Sq. 18, 13,33         0°B         -5966 Sq. 18, 13,33         0°B           conjunction         .5961 Ct. 12, 12,135         0°B         12%3505         0°C9         5956 Sq. 18, 10,136         0°B         -5963 Sq. 18, 12,136         0°B         -5963 Sq. 10, 12,136         0°B         -5963 Sq. 18, 13, 13, 13, 13, 13, 13, 13, 13, 13, 13	evening set	<b>C</b> 3						
1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.961   1.9	n d r			2 20 411 4 11	asc. node	-		
conjunction   -5961 Oct 18 j 14:36   22 m 3570   0°0508   retrograde   -5956 Dec 3) 0 83.3   8°52037   3°3353   3°350   3°361 Oct 18 j 15:30   12°m 3575   0°0517   0pposition   -5955 Feb 03 j 10:33   1°25037   3°3370   2·0m 3575   0°051   0°0517   0pposition   -5955 Feb 03 j 10:38   0°250370   2·0m 2   0°051   0°055 Feb 03 j 10:38   0°05070   2·0m 2   0°055 Feb 03 j 10:39   0°05100   0°05100   0°05100   0°05100   0°05   0°05 Peb 03 j 10:30   0°05 Peb 03 j	max. Earth dist.			2.39411 AU		•		
conjunction         -5961 Oct 18 j 14-3         12° \$\partition \text{25} \text{575} \text{70}		-5961 Oct 02 j 10:55	O~ IID					
minimule nome of behind sun begin         6.961 Oct 18 j.15.33         1° 94 62° 0         copysition         9.995 Feb 05 j.10.33         1° 920° 3         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335         2.3335 <td></td> <td>50(1.0 + 10.114.2(</td> <td>100m 25105</td> <td>0005100</td> <td></td> <td></td> <td></td> <td></td>		50(1.0 + 10.114.2(	100m 25105	0005100				
behind sun end         -5961 Oct 19 j 16.26         13° 13° 28° 12° 20° 12° 12° 12° 12° 12° 12° 12° 12° 12° 12	,	•			•	,		5022152
behind sun end         -5961 Oct         15   16.26         13* mg2573         min. Earth dist.         -5955 Feb         16   11.16         30% TL         5051 Nat 25   12.00         0.5184 Nat Al           -5961 Dec         18   10.339         0°B         direct         -5955 Nar 19   19.00         0°B         -5961 Dec         19   11.16         0°B         -5961 Dec         23   11.43         4**Ll 0°B         -5955 Nar 19   19.00         0°B         -5960 Mar         69   05:20         0°A**Ll 0°B         -5955 Nar 19   19.00         0°B         -5960 Mar         69   05:20         0°A**Ll 0°B         -5955 Nar 25   12   13.13         0°B         -5960 Mar         19   19.20         0°A**Ll 0°B         -5955 Nar 25   12   13.13         0°B         -5960 Mar         19   19.20         0°A**         -5955 Nar 25   12   13.13         0°B         -5960 Mar         19   19.20         0°A**         -5955 Nar 25   13   13.13         0°B         -5960 Mar         19   19.20         0°A**         -5955 Nar 25   13   13.13         0°B         -5960 Mar         19   14.23         0°P**         -5955 Nar 25   13   13.13         0°B         -5956 Nar 25   13   13.13         0°B         -59	Č	-		0°05'17				
desc. node         -5961 Oct 25 j 12:02         17°mg/s8′50         min. Earth dist.         -5955 Feb 11 j 15:10         28°T10′57         0.5184 AU           -6961 Nov 0°B)         29°1 Dots         morning rise         -5961 Dote 18 j 0:239         0°TL         -5955 Mar 14 j 0:202         0°Z         -22°T10275           morning rise         -5960 Dote 28 j 0:232         0°TL         -5955 Mar 14 j 0:202         0°Z         -5960 Mar 16 j 0:225         0°TG         -5955 Jun 14 j 0:242         0°Q         -5960 Mar 16 j 0:225         0°TG         -5955 Jun 14 j 0:242         0°RQ         -5960 Mar 16 j 0:225         0°TG         -5955 Jun 14 j 0:242         0°RQ         -5960 Mar 16 j 0:225         0°TG         -5960 Jun 14 j 0:223         0°TG         -5955 Jun 14 j 0:242         0°RQ         -5960 Jun 14 j 0:223         0°TG         -5955 Jun 14 j 0:242         0°TG         <	_				greatest brilliancy			-2.0m
Post Nov   9j 19:30   0°A   Post Nov   19:30   0°A   Post Nov   19:30   0°B   Post Nov Nov   19:30   0°B   Post Nov		•			i. David diet	•		0.51045 ATT
morning rise	desc. node	_				,		0.51845 AU
moming rise         -596 Jun 2 6 j 05:20 g 3 j 11:43         4 m In 1034         desc. node         -5955 Jun 1 6 j 06:22 g 7 (2) 22:7 (2) 22:7 (2) 22:7 (2) 22:7 (2) 23:1 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2					direct	•		
\$\color \chick \chic	morning rise							
5960 Mar 06   22:57   0°\$   5°\$   5955 Mar 06   22:57   30°\$   5960 Mar 19   102:02   0°\$   5960 Mar 19   102:02   13°   102:02   0°\$   5955 Mar 25   103:02   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$   0°\$	morning rise	•			desc node	·		
5960 Apr 19 10 2:02   0°A   14:23   0°A		-			desc. Hode	·		
\$align***   \$\cup								
asc. node								
asc. node         -5960 Sep 18 j 13:30         20°Y3646         evening set         -5954 Jan 06 j 04:42         0°E         18 j 12:20         28°E 22:45         18 j 12:20         0°E								
retrograde	asc. node	•				•		
opposition         -5960 Nov 17 j 02:58   3°°°° 25'49   2°10'05   -5954 Feb 18 j 23:12   0°°≈   -5954 Peb 18 j 23:12   0°°π   -5959 Peb 18 j 23:13   0°°π   -5959 Peb 18 j 23:13   0°°π   -5959 Peb 18 j 23:13   0°°π   -5959 Peb 18 j 23:23   0°°π   -5959 Peb 18 j 23:23   0°°π   -5959 Peb 18 j 10°π   -5959 Peb 18 j 23:23   0°°π   -5959					evening set	-		
greatest brilliancy         -5960 Nov 17 j 04:11         13° γ24'35         -1.4m         -5954 Apr 05 j 10:10         0° χ	Č	-		2°10'05	844	,		
min. Earth dist.		-				•		
direct         -5960 Dec 27 j 23:13         3°Y30'13         conjunction         -5954 Apr 08 j 18:48         2°¥10'53         -0°18'17           -5959 Mar 18 j 13:22         0°8         minimum elong         -5954 Apr 08 j 19:34         2°¥12'07         0°18'28           -5959 May 08 j 23:04         0°II         max. Earth dist.         -5954 Apr 20 j 22:06         10°¥0'14¹         2.64608 AU           -5959 Aug 03 j 09:12         0°Ω         asc. node         -5954 May 11 j 05:24         23°¥00'53         3°Y05'27           desc. node         -5959 Sep 11 j 17:04         0°II         morning rise         -5954 May 22 j 02:06         0°°Y           evening set         -5959 Oct 20 j 00:08         0°I         -5954 Mug 24 j 21:37         0°II         0°I           evening set         -5959 Oct 21 j 23:19         1°I 232'51         -5954 Oct 12 j 02:25         0°E         0°E           conjunction         -5959 Dec 21 j 23:19         1°I 232'51         -5954 Oct 12 j 02:25         0°E         0°E           conjunction         -5959 Dec 25 j 18:57         21°III.57'27         -1°02'29         retrograde         -5953 Mar 06 j 20:33         5°ID'27'21         2°ID'III.52'42         1°02'45         opposition         -5953 Apr 06 j 21:03         0°ID'08'20         2°ID'05'6         2°ID'III.52'42	-	3				r,		
-5959 Mar 18   13:22   0°B   minimum elong   -5954 Apr 08   19:34   2°H 12'07   0°18'28   15:595 May 08   23:204   0°T   max. Earth dist.   -5954 Apr 20   22:206   10°H 01'41   2.64608 AU   -5959 May 08   23:204   0°T   max. Earth dist.   -5954 Apr 20   22:206   10°H 01'41   2.64608 AU   -5959 May 08   09:12   0°\$\Omega\$   asc. node   -5954 May 12   02:06   0°\$\Omega\$   0°\$\Omega\$   -5959 May 08   09:12   0°\$\Omega\$   morning rise   -5954 May 12   02:06   0°\$\Omega\$   0°\$\Omega\$   -5959 Sep 11   17:04   0°\$\Omega\$   morning rise   -5954 May 26   22:29   3°\$\Omega\$ 0°\$\Omega\$   -5959 Sep 11   17:04   0°\$\Omega\$   0°\$\Omega\$   -5954 May 26   22:29   3°\$\Omega\$ 0°\$\Omega\$   -5959 May 26   22:29   3°\$\Omega\$ 0°\$\Omega\$ 0°\$\Omega\$   -5959 May 26   21:33   0°\$\Omega\$ 0°\$\Omega\$ 0°\$\Omega\$ 0°\$\Omega\$   -5958 May 36   30:20   30°\$\Omega\$ 0°\$\Omega\$ 0	direct	3			conjunction	-5954 Apr 08 j 18:48	2° <b>)</b> 10′53	-0°18'17
-5959 May 08 j 23:04   0°II   max. Earth dist.   -5954 Apr 20 j 22:06   10°H0141   2.64608 AU   -5959 Jun   22 j 22:17   0°S   asc. node   -5954 May 11 j 05:24   23°H03'53   -5959 May 03 j 09:12   0°Ω   -5959 May 03 j 09:12   0°Ω   -5954 May 22 j 02:06   0°°V   -5959 May 22 j 02:06   0°°V   -5959 May 22 j 02:06   0°°V   -5959 May 22 j 02:06   0°S   -5954 May 22 j 02:06   0°S   -5959 May 22 j 00:068   0°S   -5959 May 22 j 00:08   0°S   -5954 May 22 j 02:09   0°S   -5959 May 24 j 21:37   0°II   -5959 May 24 j 07:48   0°II   -5959 May 24 j 07:49   0°II   -5959 May 24 j		•					2° <b>升</b> 12′07	0°18'28
\$align***   \$\cond \cond \		•			_		10° <b>)</b> €01'41	2.64608 AU
					asc. node			
desc. node		-				• •		
evening set	desc. node		29° <b>Ω</b> 42′38		morning rise	-5954 May 26 j 22:29	3° <b>Y</b> 05′27	
evening set		-5959 Sep 11 j 17:04	0° m/y			-5954 Jul 08 j 08:26	$9^{\circ}$ 8	
-5959 Nov 27 j 06:34 0°M -5959 Dec 27 j 06:34 0°M -5959 Dec 25 j 18:57 21°M57'27 -1°02'29 retrograde -5953 Mar 06 j 20:33 5°M27'21 minimum elong -5959 Dec 25 j 16:27 21°M52'42 1°02'45 opposition -5953 Apr 06 j 21:03 0°M08'20 2°00'56 -5958 Jan 05 j 09:57 0° ₹ greatest brilliancy -5953 Apr 06 j 21:03 0°M08'20 2°00'56 greatest brilliancy -5953 Apr 06 j 21:03 0°M08'20 2°00'56 opposition -5958 Feb 11 j 13:27 27° ₹24'21 2.44869 AU -59553 Apr 07 j 09:28 29° € 59'34 -2.8m opposition -5958 Feb 15 j 03:52 0° ₹ min. Earth dist5953 Apr 07 j 08:51 30° № € 30.39781 AU opposition -5958 Mar 30 j 00:44 0° ≈ direct -5953 May 04 j 10:35 24° € € € € € € € € € € € € € € € € € € €			0∘ <b>⊽</b>					
conjunction	evening set	-5959 Oct 21 j 23:19	1° <b>-2</b> 32'51			-5954 Oct 12 j 02:25		
conjunction		-5959 Nov 27 j 06:34	$0^{\circ}$ M			-5954 Dec 01 j 17:08	$0^{\circ}\Omega$	
minimum elong						-5953 Feb 03 j 10:23	0° <b>m</b>	
Spin	conjunction	-5959 Dec 25 j 18:57	21°M57'27	-1°02'29	retrograde	-5953 Mar 06 j 20:33	5° <b>™</b> 27'21	
max. Earth dist.	minimum elong	-	21°M52'42	1°02'45	opposition			
morning rise		-			greatest brilliancy			-2.8m
morning rise	max. Earth dist.	-5958 Feb 11 j 13:27		2.44869 AU				
-5958 Mar 30 j 00:44   0° ≈   direct   -5953 May 09 j 13:09   24° Ω 10'31     -5958 May 14 j 07:46   0° \( \text{H} \)   -5953 Jun   09 j 00:46   0° \( \text{M} \)     -5958 Jul   01 j 11:36   0° \( \text{V} \)   -5953 Aug   05 j 05:16   0° \( \text{L} \)     asc. node   -5958 Aug   06 j 13:47   20° \( \text{V} 52'31 \)   -5953 Sep   19 j 10:34   0° \( \text{L} \)     retrograde   -5958 Nov 14 j 22:06   27° \( \text{S} 36'12 \)   -5953 Dec   16 j 04:26   0° \( \text{S} \)		•						0.39781 AU
-5958 May 14 j 07:46   0° H   -5953 Jun 09 j 00:46   0° M     -5958 Jul 01 j 11:36   0° M     -5958 Aug 05 j 05:16   0° \( \omega \)   asc. node   -5958 Aug 06 j 13:47   20° M 52'31   -5953 Sep 19 j 10:34   0° M     -5958 Aug 23 j 14:09   0° \omega \)   retrograde   -5958 Nov 14 j 22:06   27° \omega 36'12   -5953 Dec 16 j 04:26   0° \omega \)	morning rise				desc. node	• •		
-5958 Jul $01j 11:36$ $0^{\circ}\Upsilon$ -5953 Aug $05j 05:16$ $0^{\circ}\Omega$ asc. node       -5958 Aug $06j 13:47$ $20^{\circ}\Upsilon 52'31$ -5953 Sep $19j 10:34$ $0^{\circ}M$ -5958 Aug $23j 14:09$ $0^{\circ}\Theta$ -5953 Nov $02j 02:08$ $0^{\circ}A$ retrograde       -5958 Nov $14j 22:06$ $27^{\circ}\Theta 36'12$ -5953 Dec $16j 04:26$ $0^{\circ}\Theta$		•			direct	• •		
asc. node		, ,				•		
-5958 Aug 23 j 14:09 0°8 -5953 Nov 02 j 02:08 0°₹ retrograde -5958 Nov 14 j 22:06 27°836′12 -5953 Dec 16 j 04:26 0°₹		-						
retrograde -5958 Nov 14 j 22:06 27°♂36′12 -5953 Dec 16 j 04:26 0°♂	asc. node							
· · · · · · · · · · · · · · · · · · ·						•		
opposition -5958 Dec 22 j 23:55 18°♂56'33 4°29'25 -5952 Jan 30 j 10:00 0°≈	•	•				•		
	opposition	-5958 Dec 22 j 23:55	18° <b>8</b> 56'33	4°29'25		-5952 Jan 30 j 10:00	0°≈	

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:23, Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style. -5952 Mar 16 i 18:37 0°**)**€ -5947 Feb 24 i 07:13 0°×7 -5952 Mar 28 j 00:43 7°¥12'13 -5947 Apr 07 j 03:00 0°궁 asc. node -5952 Mar 30 j 05:38 8°\ 36'46 -5947 May 23 j 07:02 0°≈ evening set  $0^{\circ}\Upsilon$ -5947 Jul 24 j 07:08 0°**₩** -5952 May 02 j 18:28 7°**Y**05′52 4° **)** 49'23 max. Earth dist. -5952 May 13 j 21:34 2.66933 AU retrograde -5947 Aug 21 j 20:59 -5947 Sep 17 j 09:06 30°R≈ 9°**Υ**07'10 conjunction -5952 May 17 j 01:36 0°27'29 min. Earth dist. -5947 Sep 26 j 20:58 26°≈25'16 0.62761 AU 9°**Y**05'39 minimum elong -5952 May 17 j 00:40 0°27'31 opposition -5947 Sep 30 j 17:33 24°≈52'27 -1°53'27 -5952 Jun 18 j 15:55 0°8 greatest brilliancy -5947 Sep 30 j 11:55 24°≈58'05 -1.5m morning rise -5952 Jul 01 j 20:29 8°**8**30'34 direct -5947 Nov 08 j 00:04 15°≈50'17 -5952 Aug 03 j 20:10  $0^{\circ}\Pi$ asc. node -5947 Nov 18 j 00:38 16°≈26'49 -5952 Sep 18 j 00:57 0ಂತಾ -5946 Jan 02 j 11:02 0°**)**€  $0^{\circ}\Upsilon$ -5952 Nov 01 j 08:40  $0^{\circ}\Omega$ -5946 Mar 02 j 15:25 -5952 Dec 15 j 05:25 0° m -5946 Apr 22 j 03:59 0°8 -5951 Jan 28 j 14:00 0∘**⊽** -5946 Jun 07 j 17:45  $0^{\circ}\Pi$ -5951 Mar 17 j 17:44 0°M -5946 Jul 21 j 07:32 0ಂತಾ desc. node -5951 Mar 21 j 14:01  $2^{\circ}$ ML08'03 evening set -5946 Jul 31 j 01:30 6°958'02 retrograde -5951 May 21 j 13:50 22°M13'54 max. Earth dist. -5946 Aug 17 j 05:26 19°526'49 2.43835 AU min. Earth dist. -5951 Jun 17 j 08:58 17°M40'10 0.40766 AU -5946 Aug 31 j 11:10  $0^{\circ}\Omega$ greatest brilliancy -5951 Jun 22 j 16:52 16°ML03'23 -2.7m opposition -5951 Jun 24 j 02:01 15°M38'05 -5°46'06 conjunction -5946 Sep 24 j 05:04 17°**Ω**57'07 0°33'45 direct -5951 Jul 24 i 20:08 10°ML02'42 minimum elong -5946 Sep 24 i 07:13 18°Ω01'13 0°34'00 -5951 Sep 27 i 05:27 0°×7 -5946 Oct 09 j 21:06 0° m -5951 Nov 19 j 16:16 0°정 desc. node -5946 Nov 11 i 07:48 25° m 16'49 -5950 Jan 07 j 21:40 0°≈ -5946 Nov 17 j 08:22 0∘**⊽** -5950 Feb 12 j 21:27 22°≈16'53 -5946 Nov 25 j 01:37 6°**£**03'01 asc node morning rise -5950 Feb 25 j 07:29 0°**₩** -5946 Dec 25 j 17:30 o°m.  $0^{\circ}\Upsilon$ -5945 Feb 02 j 21:38 0°×7 -5950 Apr 14 j 06:54 -5950 May 08 j 03:27 15°Y06'01 -5945 Mar 15 j 17:40 0°궁 evening set -5945 Apr 28 j 04:19 -5950 May 31 j 09:26 0°8 0°22  $0^{\circ}H$ max. Earth dist. -5950 Jun 07 j 11:34 4°**8**35'12 2.63858 AU -5945 Jun 14 j 19:52  $0^{\circ}$ -5945 Aug 12 j 17:05 10°**Y**′02'15 -5950 Jun 24 j 03:56 15°**8**28'25 1°01'49 -5945 Sep 26 j 00:17 conjunction retrograde -5950 Jun 24 j 02:43 -5945 Oct 06 j 03:11 9°**Υ**21'40 minimum elong 15°**8**26'25 1°02'03 asc. node -5950 Jul 16 j 02:09 -5945 Nov 04 j 21:23 0°Υ19'56 1°06'53  $0^{\circ}\Pi$ opposition  $0^{\circ}$ Y20'41 -1.4m -5950 Aug 09 j 12:00 16°**Ⅲ**29'44 morning rise greatest brilliancy -5945 Nov 04 j 20:38 0°**Υ**23'19 0.66895 AU -5950 Aug 29 j 02:20 0ಂತಾ min. Earth dist. -5945 Nov 04 j 18:00 -5950 Oct 10 j 11:15  $0^{\circ}\Omega$ -5945 Nov 05 j 17:13 30°**₹**₩ -5950 Nov 20 j 12:51 0° m direct -5945 Dec 15 j 05:56 20°₩33'56 -5950 Dec 30 j 19:52 0∘**⊽** -5944 Jan 28 j 00:20  $0^{\circ}\Upsilon$ desc. node -5949 Feb 06 j 14:18 28°**♀**05'46 -5944 Mar 29 j 07:31 0°8 -5949 Feb 09 j 04:22  $0^{\circ}M$ -5944 May 17 j 09:57  $0^{\circ}\Pi$ -5949 Mar 23 j 02:01 0°×7 -5944 Jun 30 j 17:54 0ಂತಾ -5949 May 09 j 06:44 0°る -5944 Aug 11 j 00:18 0° $\Omega$ -5949 Jul 14 j 00:56 22°る26'57 retrograde -5944 Sep 19 j 07:10 0° M min. Earth dist. -5949 Aug 14 j 00:47 15°る54'25 0.52923 AU evening set -5944 Sep 25 i 15:06 4° m 55'35 greatest brilliancy -5949 Aug 20 j 03:42 13°る35'54 -2.0m desc. node -5944 Sep 28 i 03:46 6° m 53'56 -5949 Aug 21 i 08:01 13°る09'04 -5°00'36 -5944 Oct 27 j 14:01 0∘**⊽** opposition direct -5949 Sep 25 j 07:27 5°る27'09 -5949 Dec 10 j 13:58 -5944 Nov 28 j 16:17 25° **2**12'33 -0°42'28 0°≈≈ conjunction -5949 Dec 31 j 21:52 11°≈09'56 -5944 Nov 28 i 13:01 25°**£**06'11 0°42'34 asc node minimum elong -5948 Feb 03 j 10:35 0°**₩** -5944 Dec 04 j 19:38 oom.  $0^{\circ}\Upsilon$ -5943 Jan 10 j 05:29 27°M59'19 2.39905 AU -5948 Mar 24 j 19:57 max Earth dist -5948 May 11 j 20:21  $0^{\circ}$ 8 -5943 Jan 12 j 21:23 0°2 -5948 Jun 15 j 18:34 22°844'52 -5943 Feb 03 j 04:59 15°**₹**54'08 evening set morning rise -5948 Jun 26 j 15:09  $0^{\circ}II$ -5943 Feb 22 j 13:30 0°정 max. Earth dist. -5948 Jul 04 j 17:50 5°**I**28'33 2.55703 AU -5943 Apr 06 j 10:09 0°≈ 0°\ -5943 May 21 j 23:24 -5948 Aug 03 j 18:07 26° II 11'20 1°10'27 -5943 Jul 10 j 04:40  $0^{\circ}\Upsilon$ conjunction 26° II 12'22 1°10'48 23°Y35'15 minimum elong -5948 Aug 03 j 18:42 asc. node -5943 Aug 23 j 04:00 -5948 Aug 09 j 03:59 0ಂತಾ -5943 Sep 06 j 03:45 0°8 -5948 Sep 19 j 15:55 0° $\Omega$ retrograde -5943 Oct 30 j 18:45 13°**8**57'06 morning rise -5948 Sep 23 j 19:05 3°**Ω**03′28 opposition -5943 Dec 08 j 13:58 4°**8**55'00 3°40'31 -5948 Oct 29 j 14:27 0° m greatest brilliancy -5943 Dec 08 j 23:09 4°**8**45'59 -1.4m -5948 Dec 07 j 15:13 0∘**⊽** min. Earth dist. -5943 Dec 12 j 04:59 3°**8**29'30 0.64790 AU desc. node -5948 Dec 24 j 10:58 12°**♀**59'52 30°RY -5943 Dec 21 j 13:40 -5947 Jan 15 j 13:11 0°M -5942 Jan 18 j 17:28 24°Y54'02 direct

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:23, Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style. -5942 Feb 18 i 04:53 0°8 -5937 May 03 i 04:49 25°**)** 16'04 0°10'25 conjunction -5942 Apr 22 j 23:02  $\mathbb{I}^{\circ 0}$ -5937 May 03 j 04:25 25°¥15′26 0°10'22 minimum elong 24°**)** 51′21 -5942 Jun 09 j 03:56 0ಂತಾ -5937 May 02 j 13:19 behind sun begin -5937 May 03 j 19:30 -5942 Jul 21 j 09:05  $0^{\circ}\Omega$ 25°**)**39'31 behind sun end -5942 Aug 16 j 00:35 19°**Ω**15'18 max. Earth dist. -5937 May 05 j 18:36 desc. node 26°**)** 54'42 2.66672 AU  $0^{\circ}\Upsilon$ -5937 May 10 j 14:43 -5942 Aug 30 j 00:36 0° m -5942 Oct 07 j 12:05 24°Υ52'17 -5937 Jun 18 j 13:31 0∘ଫ morning rise -5942 Nov 14 j 22:13  $0^{\circ}M$ -5937 Jun 26 j 13:46 0°8 evening set -5942 Dec 02 j 12:22 13°M32'42 -5937 Aug 12 j 03:28  $0^{\circ}\Pi$ -5942 Dec 24 j 05:32 0°×7 -5937 Sep 27 j 04:04 0ಂತಾ -5937 Nov 11 j 23:10 0° $\Omega$ -5941 Feb 01 j 20:48 -5937 Dec 28 j 10:53 conjunction 29°**х** 05′25 -1°08′16 0° m -5936 Feb 16 j 17:49 minimum elong -5941 Feb 01 j 21:44 29°**х** 07'05 1°08'37 0°Ω -5941 Feb 03 j 03:15 0°정 desc. node -5936 Apr 07 j 05:27 20°**♀**34'03 max. Earth dist. -5941 Mar 11 j 15:57 25°る37'05 2.52604 AU retrograde -5936 Apr 23 j 21:54 22°**₽**20'10 min. Earth dist. -5941 Mar 18 j 01:42 0°**≈** -5936 May 22 j 06:31 17°**-**41′59 0.38093 AU morning rise -5941 Mar 31 j 02:07 8°≈48'30 opposition -5936 May 25 j 02:17 16° 256'04 -3°33'58 -5941 May 02 j 03:43 0°**)**€ greatest brilliancy -5936 May 24 j 15:11 17°**2**03'36 -5941 Jun 18 j 08:22  $0^{\circ}\Upsilon$ direct -5936 Jun 24 j 00:49 11°**£**53'37 asc. node -5941 Jul 11 j 02:47 13°Y58'30 -5936 Aug 22 j 14:19 -5941 Aug 07 j 01:21 0°8 -5936 Oct 13 j 18:20 0°×7 -5941 Oct 01 i 09:13  $0^{\circ}\Pi$ -5936 Nov 30 i 07:51 0°정 retrograde -5941 Dec 11 i 15:21 21°**Ⅲ**27'57 -5935 Jan 16 j 09:23 0°≈ -5940 Jan 17 i 03:05 13°**耳**33'33 5°24'18 -5935 Mar 01 i 13:26 27°≈58'14 opposition asc. node greatest brilliancy -5940 Jan 18 j 09:54 13°**I**104'55 -1.8m -5935 Mar 04 j 18:34 0°**∀** min. Earth dist. -5940 Jan 24 j 07:00 10°**I**I54'04 0.56521 AU -5935 Apr 21 j 06:24  $0^{\circ}\Upsilon$ -5940 Feb 26 j 04:58 4°**Ⅱ**03'13 -5935 Apr 23 j 04:00 1°Y12'16 direct evening set -5940 May 10 j 10:23 0ಂತಾ -5935 May 28 j 17:06 23°**Υ**52'10 2.65716 AU max. Earth dist. -5940 Jun 26 j 05:21  $0^{\circ}\Omega$ -5935 Jun 07 j 05:37 0°8 -5940 Jul 03 j 00:33 4° **Ω**46′09 desc. node -5940 Aug 06 j 13:43 0° m -5935 Jun 09 j 04:49 1°816'10 0°50'40 conjunction -5940 Sep 15 j 00:09 0∘**⊽** -5935 Jun 09 j 03:28 1°**8**14'00 0°50'50 minimum elong -5940 Oct 24 j 04:03 0°M -5935 Jul 23 j 01:36  $0^{\circ}\Pi$ -5940 Dec 03 j 03:44 0° ×7 -5935 Jul 24 j 22:06 1°**Ⅱ**14'03 morning rise -5939 Jan 13 j 16:35 0°궁 -5935 Sep 05 j 10:35 0ಂತಾ 10°る29'47 -5935 Oct 18 j 09:30 evening set -5939 Jan 28 j 15:57 0 $^{\circ}$  $\Omega$ -5935 Nov 29 j 05:18 -5939 Feb 26 j 02:54 0°≈ 0° m -5934 Jan 09 j 10:58 0°Ω conjunction -5939 Mar 23 j 02:13 16°≈41'23 -0°36'06 -5934 Feb 20 j 02:48 0°M minimum elong -5939 Mar 23 j 03:42 16°≈43'51 0°36'22 -5934 Feb 23 j 07:52 2°M15'45 desc. node max. Earth dist. -5939 Apr 10 j 19:00 28°≈58'02 2.62237 AU -5934 Apr 05 j 16:31 0°**⊼** -5939 Apr 12 j 09:01 0°**)**€ -5934 Jun 08 j 03:06 0°정 -5939 May 12 j 00:26 19°**)**€08'23 -5934 Jun 25 j 14:18 2°る05'28 morning rise retrograde -5939 May 27 j 22:47 29°**¥**18'16 -5934 Jul 12 j 14:21 asc. node 30°R ×7 -5939 May 29 j 01:03  $0^{\circ}\Upsilon$ min. Earth dist. -5934 Jul 24 j 09:56 26°**₹**26'18 0.48010 AU -5939 Jul 15 i 15:57 0°8 -5934 Jul 30 i 23:13 greatest brilliancy 24°**₹**06'49 -2.2m  $0^{\circ}II$ -5939 Sep 02 i 05:41 opposition -5934 Aug 01 i 12:45 23°**₹**33'18 -5°55'35 -5939 Oct 23 i 00:17 0ಂತಾ direct -5934 Sep 03 i 20:30 16°**∡** 36′56 -5939 Dec 22 i 00:23  $0^{\circ}\Omega$ -5934 Oct 25 j 16:01 0°정 -5938 Feb 05 i 15:24 10°Ω26'11 -5934 Dec 22 j 21:15 0°**≈** retrograde -5938 Mar 10 j 08:51 4°Ω21'42 4°22'33 -5933 Jan 17 j 12:13 14°≈47'24 opposition asc node -5938 Mar 11 j 17:49  $3^{\circ}\Omega 55'44$  -2.5m -5933 Feb 12 j 03:00 0°\ greatest brilliancy 1°**Ω**53'02 0.43985 AU  $0^{\circ}\Upsilon$ min. Earth dist. -5938 Mar 18 j 07:10 -5933 Apr 02 j 07:13 -5938 Mar 24 j 22:19 30°R55 -5933 May 19 j 20:46 0°8 direct -5938 Apr 14 j 20:48 27°504'43 evening set -5933 Jun 01 j 00:01 7°850'19 -5938 May 06 j 01:10  $0^{\circ}\Omega$ max. Earth dist. -5933 Jun 24 j 01:05 22°**8**58'13 2.59484 AU desc. node -5938 May 21 j 03:04 5°**Ω**06'31 -5933 Jul 04 j 13:48  $0^{\circ}\Pi$ -5938 Jul 06 j 09:26 0° m -5938 Aug 19 j 16:46 0∘<u>ଫ</u> -5933 Jul 18 j 19:02 9°**I**36'47 1°11'17 conjunction -5938 Sep 30 j 12:54 0°M -5933 Jul 18 j 18:41 9°**耳**36'11 1°11'37 minimum elong -5938 Nov 11 j 09:58 0°**√** -5933 Aug 17 j 06:12 0ಂತಾ -5938 Dec 24 j 09:35 0°궁 morning rise -5933 Sep 05 j 07:32 13°931'32 -5937 Feb 06 j 21:34 0°≈ -5933 Sep 28 j 01:11 0° $\Omega$ evening set -5937 Mar 15 j 09:24 23°≈54'12 -5933 Nov 07 j 08:23 0° m

-5933 Dec 16 j 18:16

-5932 Jan 11 j 07:04

-5932 Jan 25 j 01:21

desc. node

0∘**⊽** 

0°M

19°**£**31'40

-5937 Mar 24 j 19:33

-5937 Apr 14 j 17:20

asc. node

0°**)**€

13°**)**€26'43

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:23, Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style. -5932 Mar 05 j 06:47 0°**∡**¹ -5927 Jun 17 j 17:33 0ಂತಾ -5932 Apr 17 j 01:36 0°궁 -5927 Jul 29 j 10:37  $0^{\circ}\Omega$ -5932 Jun 05 j 13:59 -5927 Sep 01 j 19:00 26°**Ω**03'57 0°≈≈ desc. node -5927 Sep 06 j 21:04 -5932 Aug 07 j 08:17 19°≈50'06 O° m retrograde -5932 Sep 10 j 12:53 12°≈04'20 -5927 Oct 15 j 05:26 min. Earth dist. 0.59512 AU 0∘ಹ 9°**≈**58'39 -3°07'42 17°**£**12'13 opposition -5932 Sep 15 j 19:46 evening set -5927 Nov 06 j 03:08  $0^{\circ}$ M greatest brilliancy -5932 Sep 15 j 06:53 10°≈11'25 -1.7m -5927 Nov 22 j 12:31 direct -5932 Oct 22 j 22:37 1°≈22'27 -5927 Dec 31 j 16:16 0°**∡**7 10°**≈**31′05 asc. node -5932 Dec 04 j 13:51 -5931 Jan 16 j 11:09 0°**)**€ conjunction -5926 Jan 09 j 05:38 6°**х** 24'41 -1°07'56  $0^{\circ}\Upsilon$ -5931 Mar 11 j 12:04 minimum elong -5926 Jan 09 j 04:27 6°**∡**°22'29 1°08'16  $0^{\circ}$ 8 -5926 Feb 10 j 10:27 0°₹ -5931 Apr 29 j 18:04 -5926 Feb 23 j 06:57 -5931 Jun 14 j 22:22  $0^{\circ}\Pi$ max. Earth dist. 9°**ප**10'06 2.47703 AU evening set -5931 Jul 12 j 09:57 18°**Ⅲ**44'43 morning rise -5926 Mar 11 j 09:26 20°る27'00 max. Earth dist. -5931 Jul 27 j 20:30 29°**Ⅲ**34'38 2.48726 AU -5926 Mar 25 j 06:32 0°≈ -5931 Jul 28 j 10:49 0ಂತಾ -5926 May 09 j 10:14 0°**)**€ -5926 Jun 26 j 02:44  $0^{\circ}\Upsilon$ conjunction -5931 Sep 02 j 12:08 26°908'11 0°54'37 asc. node -5926 Jul 27 j 19:08 18°**Y**50'45 minimum elong -5931 Sep 02 j 14:14 26°9512'05 0°54'57 -5926 Aug 16 j 13:36 0°8 -5931 Sep 07 j 17:03  $0^{\circ}\Omega$ -5926 Oct 20 j 13:29  $0^{\circ}\Pi$ -5931 Oct 17 j 07:08 0° m retrograde -5926 Nov 24 j 04:51 6°**I**I14'34 morning rise -5931 Oct 29 i 11:35 9° m 24'28 -5926 Dec 25 i 22:19 30°R₩ -5931 Nov 24 j 22:48 0∘**⊽** opposition -5926 Dec 31 i 18:17 27°**8**49'34 4°53'20 desc. node -5931 Nov 28 i 02:36 2°**£**27'53 greatest brilliancy -5925 Jan 01 i 16:05 27°**8**28'44 -1.6m -5930 Jan 02 j 11:43 0°M min. Earth dist. -5925 Jan 06 j 14:48 25°**8**35'15 0.60446 AU -5930 Feb 10 j 19:11 0°×7 -5925 Feb 10 j 12:52 17°859'20 direct -5930 Mar 23 j 20:24 0°궁 -5925 Mar 30 j 14:23  $\Pi^{\circ}0$ -5930 May 06 j 20:47 0°**≈** -5925 May 24 j 02:45 0ಂತಾ -5930 Jun 25 j 14:46 0°**)**€ -5925 Jul 07 j 03:57  $0^{\circ}\Omega$ -5930 Sep 12 j 13:34 26°\ 56'32 -5925 Jul 20 j 17:22 9°**Ω**52'15 retrograde desc. node -5930 Oct 20 j 22:48 -5925 Aug 16 j 13:33 17°**¥**43'42 0.65990 AU 0° m min. Earth dist. -5930 Oct 22 j 13:24 17°\ 04'49 -0°00'21 -5925 Sep 24 j 11:36 0∘ಹ opposition -5930 Oct 22 j 17:05 17°**₩**01'06 -5925 Nov 02 j 06:07 0°M asc. node -5930 Oct 22 j 13:29 17°**)**€04'44 -5925 Dec 11 j 21:13 0°**∡**7 greatest brilliancy -1.4m -5930 Dec 01 j 05:31 7°**)**€32'36 -5924 Jan 08 j 20:06 20°**х** 29'51 direct evening set -5929 Feb 12 j 20:49  $0^{\circ}\Upsilon$ -5924 Jan 22 j 02:15 0°궁 0°8 -5929 Apr 08 j 13:10 -5929 May 26 j 08:04  $0^{\circ}II$ conjunction -5924 Mar 05 j 01:08 29°る51'33 -0°52'04 -5929 Jul 09 j 06:31 0ಂತಾ -5924 Mar 05 j 03:02 29°る54'46 0°52'23 minimum elong -5929 Aug 19 j 10:46  $0^{\circ}\Omega$ -5924 Mar 05 j 06:07 0°≈ evening set -5929 Sep 02 j 09:39 10°**Ω**31'25 max. Earth dist. -5924 Mar 30 j 20:38 17°≈10'34 2.59042 AU -5929 Sep 27 j 17:56 -5924 Apr 19 j 08:51 0°) 0° m desc. node -5929 Oct 15 j 22:09 14° m 10'37 -5924 Apr 26 j 07:15 4° **)**(30'39 morning rise max. Earth dist. -5929 Oct 23 j 02:32 19° Mp 48'39 -5924 Jun 05 j 03:07  $0^{\circ}\Upsilon$ 2.37897 AU -5924 Jun 13 j 15:53 5°Y22'34 asc. node -5929 Nov 02 i 09:37 -5924 Jul 23 i 07:23 conjunction 27° m 54'02 -0°12'56 0°8 minimum elong -5929 Nov 02 i 08:27 27° m 51'45 0°12'52 -5924 Sep 11 i 10:55  $0^{\circ}II$ behind sun begin -5929 Nov 01 j 15:18 27° m 18'03 -5924 Nov 06 i 08:10 0ಂತಾ behind sun end -5929 Nov 03 i 01:36 28° m 25'27 retrograde -5923 Jan 11 j 19:08 19°521'19 -5929 Nov 05 i 01:41 0∘**⊽** -5923 Feb 15 i 02:58 12°928'35 5°23'33 opposition -5929 Dec 13 i 07:47 0°M -5923 Feb 16 i 18:16 11°954'46 -2.2m greatest brilliancy -5928 Jan 08 j 11:10 20°M10'55 -5923 Feb 23 j 12:36 9°536'15 0.49026 AU morning rise min. Earth dist. -5923 Mar 24 j 23:05 -5928 Jan 21 j 09:20 0°×7 direct 4°902'51 0°る -5928 Mar 02 j 01:25 -5923 Jun 04 j 22:44  $0^{\circ}\Omega$ -5928 Apr 14 j 00:28 0°& desc. node -5923 Jun 06 j 18:47 1°Ω05'34 -5928 May 30 j 01:09 0°**)**€ -5923 Jul 20 j 13:42 0° m  $0^{\circ}\Upsilon$ -5928 Jul 20 j 02:10 -5923 Aug 30 j 19:36 0∘**⊽** -5928 Sep 08 j 19:40 23°Y25'00 -5923 Oct 10 j 03:11 0°M asc. node -5928 Oct 04 j 22:38 0°8 -5923 Nov 19 j 24:00 0°**∡**7 0°**8**47'59 -5922 Jan 01 j 05:58 0°정 retrograde -5928 Oct 16 j 12:18 -5928 Oct 27 j 14:53 30°RΥ -5922 Feb 14 j 05:14 0°≈ -5928 Nov 24 j 20:32 21°**Y**27'26 2°44'51 evening set -5922 Feb 26 j 15:57 8°≈17'11 opposition greatest brilliancy -5928 Nov 24 j 23:59 21°**Y**24'01 -1.4m -5922 Mar 31 j 19:09 0°**)**€ min. Earth dist. -5928 Nov 26 j 23:54 20°**Y**36′22 0.66362 AU direct -5927 Jan 04 j 20:33 11°**Υ**28'32 conjunction -5922 Apr 17 j 21:12 11°**米**02'30 -0°07'43 -5927 Mar 10 j 04:10 0°8 -5922 Apr 17 j 21:31 11°**)**€03'02 0°07'52 minimum elong

-5922 Apr 17 j 03:46

behind sun begin

10°**)** 34′29

-5927 May 03 j 02:23

 $\Pi^{\circ}0$ 

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:23, page 48 Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style.

Attention, astronom	nical year style is used: Th	•	in astronomical co	ounting style is the year	6399 BCE in historical c	ounting style.	
behind sun end	-5922 Apr 18 j 15:16	11° <b>∺</b> 31'34			-5917 Jul 01 j 05:39	0° <b>≈</b>	
max. Earth dist.	-5922 Apr 26 j 12:47		2.65583 AU	retrograde	-5917 Jul 23 j 16:29	3° <b>≈</b> 14'49	
asc. node	-5922 May 01 j 10:51	19° <b>)</b> 45′19			-5917 Aug 13 j 22:17	30°Ŗる	
	-5922 May 17 j 11:20	0° <b>Υ</b>		min. Earth dist.	-5917 Aug 24 j 21:03		0.55459 AU
morning rise	-5922 Jun 04 j 06:09	11° <b>Υ</b> 20'06		opposition	-5917 Aug 31 j 11:53	23° <b>る</b> 40'32	
	-5922 Jul 03 j 14:16	0° <b>X</b>		greatest brilliancy	-5917 Aug 30 j 13:29	24°る02'13	-1.9m
	-5922 Aug 19 j 17:36	0° <b>Ⅱ</b>		direct	-5917 Oct 06 j 06:39	15° <b>る</b> 37'04	
	-5922 Oct 05 j 23:34 -5922 Nov 23 j 06:24	0ం <b>U</b> 0ంత			-5917 Nov 30 j 09:28	0° <b>≈</b> 10° <b>≈</b> 14'00	
	•			asc. node	-5917 Dec 22 j 04:16	10 ≈14 00 0° <b>)</b>	
retrograde	-5921 Jan 14 j 22:11 -5921 Mar 24 j 10:15	0° <b>т</b> ) 21° <b>т</b> )46'08			-5916 Jan 28 j 05:39 -5916 Mar 19 j 15:34	0° <b>Υ</b>	
opposition	-5921 Apr 24 j 01:24	16° To 40'38	0°04'11		-5916 May 07 j 01:25	0°8	
greatest brilliancy	-5921 Apr 24 j 01:24	16° Mp 40'23	-2.9m		-5916 Jun 21 j 23:52	0°II	
desc. node	-5921 Apr 24 j 23:06	16° Mp 25'54	-2.7111	evening set	-5916 Jun 25 j 04:01	2° <b>Ⅱ</b> 07'58	
min. Earth dist.	-5921 Apr 26 j 17:27		0.38328 AU	max. Earth dist.	-5916 Jul 12 j 11:10		2.53376 AU
direct	-5921 May 25 j 06:51	11° my 17'37	0.30320710	max. Earth dist.	-5916 Aug 04 j 13:00	0°99	2.00070110
	-5921 Jul 23 j 12:30	0∘ <b>⊽</b>			5)1011 <b>ug</b> 0.1 15.00	• •	
	-5921 Sep 11 j 08:13	0°M		conjunction	-5916 Aug 14 j 01:00	6°945'17	1°06'56
	-5921 Oct 26 j 15:39	0° <b>∡</b> 7		minimum elong	-5916 Aug 14 j 02:12		1°07'17
	-5921 Dec 10 j 14:51	8°0			-5916 Sep 14 j 23:22	$0^{\circ}\Omega$	
	-5920 Jan 25 j 08:30	0° <b>≈</b>		morning rise	-5916 Oct 05 j 21:03	15° <b>Ω</b> 37'45	
	-5920 Mar 12 j 00:21	0° <b>∀</b>		Č	-5916 Oct 24 j 18:55	0° <b>m</b> )	
asc. node	-5920 Mar 18 j 05:06	3° <b>¥</b> 57'13			-5916 Dec 02 j 16:05	0∘ <u>⊽</u>	
evening set	-5920 Apr 08 j 02:11	17° <b>)</b> 14′25		desc. node	-5916 Dec 14 j 21:42	9° <b>₽</b> 29'32	
	-5920 Apr 28 j 03:44	$0^{\circ}$ Y			-5915 Jan 10 j 10:04	$0^{\circ}$ M	
max. Earth dist.	-5920 May 19 j 07:20	13° <b>Y</b> ′28'52	2.66735 AU		-5915 Feb 18 j 22:45	0° <b>∡</b> ¹	
					-5915 Apr 01 j 08:59	ರ°0	
conjunction	-5920 May 25 j 12:37	17° <b>Y°</b> 27′25	0°36'40		-5915 May 16 j 10:21	0° <b>≈</b>	
minimum elong	-5920 May 25 j 11:27	17° <b>Y</b> °25'33	0°36'44		-5915 Jul 09 j 21:12	0° <b>∀</b>	
	-5920 Jun 14 j 01:30	$0^{\circ}$ 8		retrograde	-5915 Aug 29 j 22:31	13° <b>¥</b> 23'17	
morning rise	-5920 Jul 10 j 03:32	16° <b>8</b> 54'31		min. Earth dist.	-5915 Oct 05 j 19:56	4° <b>)</b> 40′22	0.64166 AU
	-5920 Jul 30 j 02:31	$\Pi$ °0		opposition	-5915 Oct 08 j 21:23	3° <b>∺</b> 26′27	
	-5920 Sep 12 j 23:24	$0$ $\circ$		greatest brilliancy	-5915 Oct 08 j 18:39	3° <b>∺</b> 29'13	-1.5m
	-5920 Oct 26 j 17:43	$0$ $\circ$ $\Omega$			-5915 Oct 17 j 17:59	30°R <b>≈</b>	
	-5920 Dec 08 j 17:01	0° <b>m</b> )		asc. node	-5915 Nov 08 j 07:12	24° <b>≈</b> 39'55	
	-5919 Jan 20 j 13:46	0∘ <b>⊽</b>		direct	-5915 Nov 16 j 16:38	24°≈12'16	
	-5919 Mar 06 j 01:42	0°M			-5915 Dec 19 j 23:06	0° <b>)</b> €	
desc. node	-5919 Mar 12 j 01:19	3°M48'23			-5914 Feb 24 j 05:20	0° <b>Υ</b>	
	-5919 Apr 29 j 14:51	0° <b>∕</b> ⁷			-5914 Apr 16 j 21:49	0° <b>B</b>	
retrograde	-5919 Jun 04 j 04:52	7° 🖈 58'25	0.42004.411		-5914 Jun 02 j 21:09	0°II	
min. Earth dist.	-5919 Jul 01 j 08:07	3°×707'50	0.43094 AU		-5914 Jul 16 j 14:09	0°©	
greatest brilliancy opposition	-5919 Jul 07 j 11:30 -5919 Jul 09 j 02:40	1° <b>∡</b> '08'50 0° <b>∡'</b> 36'59		evening set	-5914 Aug 11 j 13:10 -5914 Aug 26 j 18:29	18° <b>©</b> 43'43 0° <b>Ω</b>	
opposition	-5919 Jul 11 j 00:42	30°RM	-0 1117	max. Earth dist.	-5914 Aug 20 j 18.29 -5914 Sep 02 j 00:36		2.41261 AU
direct	-5919 Aug 09 j 15:11	24°M33'29		max. Earth dist.	-5914 Oct 05 j 03:43	0° m)	2.41201 AU
direct	-5919 Sep 09 j 08:46	0° <b>√</b>			-5714 001 05 1 05.45	עווי ∨	
	-5919 Nov 11 j 19:08	°°ਤ		conjunction	-5914 Oct 07 j 16:27	1° <b>m</b> 57'38	0°18'14
	-5918 Jan 01 j 23:38	0° <b>≈</b>		minimum elong	-5914 Oct 07 j 17:52	2° m/00'22	0°18'24
asc. node	-5918 Feb 03 j 02:48	19° <b>≈</b> 31'38		desc. node	-5914 Nov 01 j 17:07	21° m/28'54	
	-5918 Feb 20 j 04:25	0° <b>)</b> €			-5914 Nov 12 j 13:47	0∘ <u>⊽</u>	
	-5918 Apr 09 j 12:36	$0^{\circ}$ $\Upsilon$		morning rise	-5914 Dec 10 j 23:49	22° <b>≏</b> 16'36	
evening set	-5918 May 16 j 18:46	23° <b>Y</b> ′34'34		Č	-5914 Dec 20 j 21:36	0° <b>M</b>	
-	-5918 May 26 j 18:49	$0^{\circ}$ 8			-5913 Jan 29 j 00:01	0° <b>∡</b> ¹	
max. Earth dist.	-5918 Jun 13 j 09:05	11° <b>8</b> 24'45	2.62517 AU		-5913 Mar 10 j 17:17	ರ∘ರ	
					-5913 Apr 22 j 21:24	0° <b>≈</b>	
conjunction	-5918 Jul 02 j 22:41	24° <b>8</b> 17'59	1°06'36		-5913 Jun 08 j 17:18	0° <b>∀</b>	
minimum elong	-5918 Jul 02 j 21:41	24° <b>8</b> 16'20	1°06'53		-5913 Aug 02 j 06:34	$0^{\circ}$ Y	
	-5918 Jul 11 j 11:52	$\Pi$ °0		asc. node	-5913 Sep 26 j 09:36	17° <b>Ƴ</b> 33'10	
morning rise	-5918 Aug 18 j 20:16	26° <b>Ⅱ</b> 08'33		retrograde	-5913 Oct 03 j 19:04	17° <b>Ƴ</b> 53′20	
	-5918 Aug 24 j 09:17	0∘ <b>©</b>		opposition	-5913 Nov 12 j 12:20	8° <b>Y</b> 17'43	1°44'10
	-5918 Oct 05 j 13:02	$0$ ° $\Omega$		greatest brilliancy	-5913 Nov 12 j 12:21	8° <b>Ƴ</b> 17'42	-1.4m
	-5918 Nov 15 j 07:18	0° m/p		min. Earth dist.	-5913 Nov 13 j 04:18	8° <b>Y</b> 01'43	0.66971 AU
	-5918 Dec 25 j 05:30	0∘ <b>⊽</b>			-5913 Dec 07 j 15:23	30° <b>₹</b>	
desc. node	-5917 Jan 28 j 00:24	25° <b>Ω</b> 26'45		direct	-5913 Dec 23 j 03:24	28° <b>)</b> €25'51	
	-5917 Feb 03 j 02:36	0°M 0°. <b>₹</b>			-5912 Jan 08 j 15:20	0° <b>Υ</b>	
	-5917 Mar 16 j 04:23	7×°0 る00			-5912 Mar 22 j 15:01	0°Β	
	-5917 Apr 29 j 23:17	00			-5912 May 12 j 00:22	0°Щ	

Planetary Phenomena of Mars from -6400 through -5898 (UT), Astrodienst AG 18-Feb-2025 14:23, Attention, astronomical year style is used: The year -6398 in astronomical counting style is the year 6399 BCE in historical counting style. -5912 Jun 25 j 17:59 0ಂಣ asc. node -5907 May 18 j 02:49 26°\ 00'38 -5912 Aug 06 j 04:02  $0^{\circ}\Omega$ morning rise -5907 May 20 j 16:23 27° ¥ 38'52 -5912 Sep 14 j 11:59 0°m -5907 May 24 j 08:56  $0^{\circ}\Upsilon$ -5907 Jul 10 j 18:28 0°8 desc. node -5912 Sep 18 j 12:37 3° m 07'48 -5912 Oct 10 j 08:39 20° m 13'02 -5907 Aug 27 j 17:08  $0^{\circ}\Pi$ evening set -5907 Oct 15 j 20:11 0∘**⊽** 000 -5912 Oct 22 j 19:05 -5912 Nov 30 j 00:51 0°M -5907 Dec 08 j 02:57 0 $\circ$  $\Omega$ retrograde -5906 Feb 21 j 15:19 24°**Ω**25'52 conjunction -5912 Dec 14 j 04:25 10°M58'18 -0°55'23 opposition -5906 Mar 25 j 08:07 18°**Ω**48'29 3°13'10 minimum elong -5912 Dec 14 j 01:15 10°M52'12 0°55'35 greatest brilliancy -5906 Mar 26 j 06:59 18°**Ω**31'33 -2.7m -5911 Jan 08 j 02:38 0° **₹** min. Earth dist. -5906 Apr 01 j 03:34 16°**Ω**47'58 0.41466 AU 17°**∡**14'47 max. Earth dist. -5911 Jan 31 j 06:06 2.42569 AU direct -5906 Apr 28 j 07:41 12°**Ω**15'49 -5906 May 11 j 14:12 morning rise -5911 Feb 17 j 03:31 29°**х** 32′51 desc. node 13°**Ω**26'43 -5911 Feb 17 j 18:36 0°ರ -5906 Jun 23 j 22:52 0° m -5911 Apr 01 j 13:51 0°**≈** -5906 Aug 11 j 14:17 0∘**⊽** -5911 May 16 j 21:40 0°**)**€ -5906 Sep 23 j 22:57 0°M -5911 Jul 04 j 09:01  $0^{\circ}\Upsilon$ -5906 Nov 05 j 16:04 0°**⊼** asc. node -5911 Aug 13 j 10:39 22° Y 35' 45 -5906 Dec 19 j 04:16 0°정 -5911 Aug 27 j 22:21 0°8 -5905 Feb 02 j 00:24 0°≈ retrograde -5911 Nov 08 j 08:11 22°807'23 -5905 Mar 20 j 03:16 0°) opposition -5911 Dec 16 j 18:00 13°**8**17'08 4°09'32 evening set -5905 Mar 24 j 13:53 2°\f\51'25 greatest brilliancy -5911 Dec 17 i 07:17 13°**8**04'10 -1.5m asc. node -5905 Apr 04 j 22:06 10°**₩**08'01 min. Earth dist. -5911 Dec 21 i 04:08 11°**8**33'35 0.63520 AU -5905 May 06 j 00:25  $0^{\circ}\Upsilon$ direct -5910 Jan 26 i 20:17 3°817'34 -5910 Apr 15 j 11:50  $\mathbb{I}^{\circ 0}$ -5905 May 11 j 19:09 3°**Υ**41'13 0°20'31 conjunction -5910 Jun 03 j 08:39 0ಂತಾ -5905 May 11 j 18:24 3°Y40'02 0°20'30 minimum elong -5910 Jul 16 j 02:25  $0^{\circ}\Omega$ max. Earth dist. -5905 May 11 j 05:06 3°**Y**18'49 2.66917 AU -5910 Aug 06 j 11:28 15°**£**54′23 -5905 Jun 21 j 22:35 0°8 desc node -5910 Aug 24 j 23:10 0° M -5905 Jun 26 j 18:35 3°806'25 morning rise -5910 Oct 02 j 13:25 0∘∙თ -5905 Aug 07 j 07:08  $0^{\circ}\Pi$ -5910 Nov 10 j 01:31 0°M -5905 Sep 21 j 20:25 0ಂತಾ -5910 Dec 16 j 17:09 27°M57'42 -5905 Nov 05 j 18:31 0° $\Omega$ evening set -5910 Dec 19 j 10:23 0°**∡** -5905 Dec 20 j 14:11 0° m -5909 Jan 29 j 09:30 0°궁 -5904 Feb 04 j 17:58 0∘⊽ -5904 Mar 28 j 17:29 desc. node 29°**₽**21'30 -5909 Feb 14 j 05:15 11°る13'09 -1°04'08 -5904 Mar 30 j 04:48 conjunction 0°M minimum elong -5909 Feb 14 j 06:51 11°**る**15'59 1°04'29 retrograde -5904 May 10 j 02:10 9°M53'54 -5909 Mar 13 j 08:45 0°≈ min. Earth dist. -5904 Jun 06 j 04:26 5°M25'07 0.39252 AU max. Earth dist. -5909 Mar 19 j 15:53 4°≈16'38 2.55102 AU greatest brilliancy -5904 Jun 10 j 10:27 4°M12'00 -2.8m -5909 Apr 10 j 11:15 18°≈52'23 -5904 Jun 11 j 10:54 3°M54'21 -5°03'37 morning rise opposition -5909 Apr 27 j 09:51 0°**)**€ -5904 Jun 27 j 04:19 30°R<u>₽</u> -5909 Jun 13 j 09:06  $0^{\circ}\Upsilon$ -5904 Jul 11 j 17:06 28°**♀**38'19 direct -5909 Jul 01 j 07:57 11°Y09'15 -5904 Jul 26 j 07:00 0°M asc. node -5909 Aug 01 j 09:12 0°8 -5904 Oct 04 j 14:53 0°**∡**7 -5909 Sep 23 j 03:19  $\Pi^{\circ}0$ -5904 Nov 23 j 19:18 0°정 -5909 Dec 07 i 18:05 -5903 Jan 10 j 22:29 0°≈ -5909 Dec 22 i 12:57 1°9515'40 asc. node -5903 Feb 19 i 18:43 24°≈57'03 retrograde -5908 Jan 05 i 13:17 30°RⅡ -5903 Feb 27 i 20:14 0°) -5908 Jan 27 i 07:22 23°**II**40'56 5°32'39 -5903 Apr 16 j 14:08  $0^{\circ}\Upsilon$ opposition -5908 Jan 28 i 18:29 23°**Ⅱ**08'58 -1.9m -5903 May 01 i 18:38 9°Y36'50 greatest brilliancy evening set min. Earth dist. -5908 Feb 04 j 01:04 20°**I**I52'28 0.54025 AU -5903 Jun 02 j 15:32 0°8 direct -5908 Mar 06 j 18:12 14°**Ⅱ**28′06 max. Earth dist. -5903 Jun 03 j 08:05 0°**と**26'42 2.64788 AU -5908 Apr 29 j 21:02 0ಂತಾ -5908 Jun 19 j 05:53  $0^{\circ}\Omega$ conjunction -5903 Jun 17 j 18:09 9°847'38 0°57'32 desc. node -5908 Jun 23 j 12:16  $2^{\circ}\Omega52'55$ minimum elong -5903 Jun 17 j 16:50 9°**8**45'30 0°57'45 -5908 Jul 31 j 13:49  $0^{\circ}$  mb -5903 Jul 18 j 10:19  $0^{\circ}II$ -5908 Sep 09 j 11:25 0∘<del></del>∇ morning rise -5903 Aug 02 j 17:46 10°**Ⅱ**16'06 -5908 Oct 18 j 22:38 0°M -5903 Aug 31 j 15:02 0ംഉ -5908 Nov 28 j 03:40 0° ×7 -5903 Oct 13 j 06:40 0° $\Omega$ 0°る -5903 Nov 23 j 16:17 -5907 Jan 08 j 20:44 0° m 21°**る**20'38 evening set -5907 Feb 08 j 15:53 -5902 Jan 03 j 08:28 0∘ଫ -5907 Feb 21 j 10:07 0°≈ desc. node -5902 Feb 13 j 18:36 0°M25'53 -5902 Feb 13 j 04:19 0°M conjunction -5907 Apr 01 j 19:26 26°≈07'49 -0°25'53 -5902 Mar 27 j 21:29 0°**∡**7 minimum elong -5907 Apr 01 j 20:31 26°≈09'35 0°26'06 -5902 May 17 j 02:33 0°궁 -5907 Apr 07 j 17:50 0°**)**€ -5902 Jul 06 j 10:18 14°る27'04 retrograde max. Earth dist. -5907 Apr 16 j 19:04 5°**)** 52'42 2.63654 AU min. Earth dist. -5902 Aug 05 j 10:14 8°る17'49 0.50755 AU

Attention, astronomic	al year style	e is used: Th	e year -6398 i	n astronomical
greatest brilliancy	-5902 Aug	11 j 19:01	5° <b>る</b> 57'05	-2.1m
opposition	-5902 Aug	13 j 03:41	5° <b>る</b> 26'48	-5°27'16
	-5902 Aug	30 j 11:41	30°Ŗ <b>⋌</b> ¹	
direct	-5902 Sep	16 j 09:56	28° <b>₰</b> 04'06	
	-5902 Oct	04 j 05:40	8°0	
	-5902 Dec	15 j 10:41	0° <b>≈</b>	
asc. node	-5901 Jan	07 j 18:35	12° <b>≈</b> 50'14	
	-5901 Feb	06 j 12:09	0° <b>)</b> €	
	-5901 Mar	28 j 08:12	$0^{\circ}\mathbf{\Upsilon}$	
	-5901 May	15 j 04:26	0°B	
evening set	-5901 Jun	09 j 22:51	16° <b>8</b> 42'29	
-	-5901 Jun	29 j 23:25	$\Pi$ $^{\circ}0$	
max. Earth dist.	-5901 Jun	30 j 16:48	0° <b>Ⅱ</b> 29'10	2.57472 AU
		J		
conjunction	-5901 Jul	28 j 08:01	19° <b>Ⅱ</b> 19'43	1°11'33
minimum elong	-5901 Jul		19° <b>Ⅱ</b> 20′01	1°11'54
· ·	-5901 Aug		0°©	
morning rise	-5901 Sep	-	24°545'57	
8	-5901 Sep	3	0°N	
	-5901 Nov		0°m	
	-5901 Dec		0° <b>⊽</b>	
desc. node	-5900 Jan	-	16° <b>£</b> 12'02	
	-5900 Jan	3	0°M	
	-5900 Feb	-	0° <b>⊼</b> ″	
	-5900 Apr		_{0°} ප	
	-5900 May		0° <b>≈</b>	
retrograde	-5900 Aug		28°≈59'55	
min. Earth dist.	-5900 Sep		20°≈52'08	0.61414 AU
opposition	-5900 Sep		19° <b>≈</b> 04'17	
greatest brilliancy	-5900 Sep	-		-1.6m
direct	-5900 Nov		10°≈13'07	1.0111
asc. node	-5900 Nov		13°≈20'17	
use. Houe	-5899 Jan	-	0° <b>∀</b>	
	-5899 Mar	-	0°Υ	
	-5899 Apr	-	0°8	
	-5899 Jun	-	0°II	
evening set		22 j 19:21	29° <b>Ⅱ</b> 17'12	
evening set	-5899 Jul	2	0°95	
mov Forth dist	-5899 Aug			2.46024 AU
max. Earth dist.	-5899 Aug		10 <b>3</b> 31 37	2.40024 AU
	-3699 Sep	03 J 01.20	0 86	
conjunction	-5899 Sep	14;11:45	8° <b>Ω</b> 34'17	0°43'47
minimum elong			8° <b>Ω</b> 38'35	0°44'04
minimum ciong	-5899 Sep -5899 Oct			0 44 04
morning riss	-5899 Oct -5899 Nov		0° Mp 24° Mp 33′27	
morning rise desc. node	-5899 Nov	-		
uesc. noue		3	28° Mp 45'03	
	-5899 Nov		0∘ <b>w</b>	
	-5899 Dec	28 J 13:14	0°M	